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# Bibliography of Cultivated Trees and Shrubs

HARDY IN THE COOLER TEMPERATE REGIONS  
OF THE NORTHERN HEMISPHERE

BY

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THE ARNOLD ARBORETUM OF HARVARD UNIVERSITY

JAMAICA PLAIN, MASSACHUSETTS, U. S. A.

1949



To  
JOY MORTON (1855-1934)

SON OF THE FOUNDER OF ARBOR DAY  
FOUNDER OF THE MORTON ARBORETUM  
THIS VOLUME IS RESPECTFULLY DEDICATED





## FOREWORD

IMMEDIATELY after the publication of the second edition of his *Manual of cultivated trees and shrubs*<sup>1</sup> in 1940, Professor Alfred Rehder, then 76 years old, initiated work on the preparation of a bibliographic supplement as promised in the preface (p. viii). This large project was predicated on the idea that this comprehensive index should contain the names of all plants included in that work, including synonyms, exact citations as to their sources, and other bibliographic data. It soon became apparent, after having commenced to assemble the necessary data, that this projected work could hardly be treated as a simple supplement to the *Manual* and accordingly a much wider scope was given to the project. The synonymy proved to be much more voluminous than had been expected. Certain new plants had been introduced into gardens while various unlisted technical names for plants were located. Studies covering revisions of certain groups published after 1940 involved some changes in nomenclature and in arrangement. Certain other changes were necessary to bring the work up to date and to enhance its usefulness as a reference volume for the nomenclature of cultivated woody plants up to the end of 1947. The systematic arrangement of the families, genera, and species has remained approximately the same as in the manual except for certain changes rendered necessary by recent studies.

In the meantime Professor Rehder was retired from active service on August 31, 1940, he being then in his seventy-seventh year, the manuscript of this work then being only in its formative stage. Nevertheless he continued actively at work on this project, occupying his old desk at the institution and being provided with essential clerical assistance. Thus it is that the major part of this work was actually accomplished after the author retired from active service. It was his deep and abiding interest in problems of botanical nomenclature and bibliography that inspired him over the term of years involved to complete the manuscript and to see the work through the press, as well as his desire to produce a reference work that would be of permanent value to botanists and horticulturists.

The Arnold Arboretum has been an outstanding institution in the field of botanical bibliography, as witnessed by its sponsorship in preparing and publishing the remarkable Bradley bibliography (1911-18), which was the work of Professor Rehder,<sup>2</sup> its comprehensive library catalogue and supplement (1917-23),<sup>3</sup> and in its more recent publication of the Merrill-Walker work on the botanical bibliography of Eastern Asia (1938).<sup>4</sup> These are all standard reference works needed by working botanists and horticulturists everywhere, and now to this distinguished list is added the present work. It is an honor to the Arnold Arboretum to sponsor this work as one of its important contributions to botanical bibliography and nomenclature for the benefit of world botany and horticulture.

<sup>1</sup> REHDER, ALFRED. *Manual of cultivated trees and shrubs hardy in North America exclusive of the sub-tropical and warmer regions*. Second edition revised and enlarged. 8°. pp. xxx. 996. map. New York, Macmillan Company, 1940.

<sup>2</sup> Rehder, A. *The Bradley bibliography. A guide to the literature of the woody plants of the world, published before the beginning of the twentieth century*. Compiled at the Arnold Arboretum of Harvard University under the direction of Charles Sprague Sargent. 4°. 1: pp. xii. 566. 1911; 2: viii, 926. 1912; 3: x. 806. 1915; 4: xiii. 589. 1914; 5: xxxii. 1008. 1918. The Riverside Press, Cambridge. Published by the Arnold Arboretum.

<sup>3</sup> Tucker, E. M. *Catalogue of the library of the Arnold Arboretum of Harvard University*. Compiled under the direction of Charles Sprague Sargent. 4°. 1: [2]. 782. 1914; 2: 5, 542. 1917; 3: [1]. 346. 1923. The Cosmos Press, Cambridge. Published by the Arnold Arboretum.

<sup>4</sup> Merrill, E. D. & Walker, E. H. *A bibliography of Eastern Asiatic botany*. 4°. pp. xli. 719. 2 maps. 1938. The Lord Baltimore Press, Baltimore. Published by the Arnold Arboretum.

In this work an effort has been made to record the nomenclature of families and their subdivisions, to which comparatively little attention is given in most modern taxonomic publications. Also the nomenclature of subdivisions of species has been given due consideration. This is a controversial subject complicated by numerous proposed names in minor categories that were first mentioned but either not described or inadequately described in ephemeral publications such as nursery catalogues and price lists, names which can scarcely be considered as validly published. It is hoped that at the next International Botanical Congress a move will be made to eliminate such names from consideration in botanical nomenclature.

The compilation of this bibliography was accomplished in the excellent library of the Arnold Arboretum which ranks among the very best botanical libraries in the world, supplemented by the facilities of other Harvard libraries and those of Boston. Some work was done in the important libraries of New York, Philadelphia, and Washington. A serious effort was made to check each reference with the original work for completeness and accuracy. The actual location of the places of original publication of numerous new names, especially those in minor categories, has involved an enormous amount of time-consuming library research.

Publication of such an extensive technical volume as this one is was entirely beyond the budgetary limitations of the Arnold Arboretum. Thus it was that assistance was sought from friends and supporters of the institution on the basis that, as the actual preparation of the data was a labor of love on the part of the author, the least that the institution could do would be to provide the expenses of publication. It is a well known fact that in reference works of this type the actual demand is limited largely to specialized institutions, and hence the returns from sales hardly ever cover the actual cost of publication. In such cases subsidization is essential. Over the course of several years a restricted publication fund was built up with the printing cost of this work as the object. Support was forthcoming from 102 individuals and organizations of which I will, at this time, mention only two. In 1872 the Massachusetts Association for Promoting Agriculture received a bequest from François André Michaux of Versailles, France, son of André Michaux, author of the first descriptive flora of eastern North America (1803), the income to be utilized to support certain objectives. The Trustees of that society generously made a grant from the income of the Michaux fund which it is certain François André Michaux, because of his personal interests, would have thoroughly approved. The second item was a generous voluntary grant made by the Trustees of the Morton Arboretum, Chicago, Ill., in appreciation of the cordial relationships that have existed between the Arnold Arboretum and the Morton Arboretum from the time the latter institution was established in 1922.

While the manuscript was for the most part completed some time previous to the date indicated below, no move could be made as to actual publication during the war years because of restrictions on the use of paper. Even after the war closed conditions still remained unfavorable and the actual preparation of the printed text has progressed but slowly. The first proofs were not actually received until June, 1946. This delay in publishing has been unavoidable, but it has enabled the author to add data of one type or another in the interim between the completion of the original manuscript and the time of receiving the first page proofs.

On behalf of the Arnold Arboretum I wish to extend to the numerous individuals who contributed to the special fund my appreciation of the support that has rendered this publication possible, and to the author my congratulations on his ability to consummate such an extensive technical work, the preparation of which was initiated late in his productive life, and approximately at the time of his actual retirement from active service.

It is believed that in this work active botanists and horticulturists who are interested in nomenclature and in synonymy will find much of value. It is a monument to the personal interests of its author, his insistence on completeness and accuracy, and clearly indicates his devo-

tion to his chosen profession, as well as his mastery of the details involved. It will take its place among the outstanding contributions of this, one of the oldest Arboretums in the world, to the field of botanical nomenclature and bibliography, for within its area it is the standard work of its kind being a pioneer publication in its field.

E. D. MERRILL  
ADMINISTRATOR OF BOTANICAL COLLECTIONS  
HARVARD UNIVERSITY,  
DIRECTOR, ARNOLD ARBORETUM.

JUNE 30, 1946



## INTRODUCTION

THE PURPOSE of this bibliography is to give references to the sources of the botanical names, valid names and synonyms, of the woody plants cultivated in the cooler regions of the temperate zone of the northern hemisphere. This is the range covered by the writer's Manual of Cultivated Trees and Shrubs, and in a somewhat wider or partly more restricted sense, by numerous dendrological English, French, German and Russian publications. All the names found in the second edition of the Manual will be found in the present publication with full synonymy and with additional genera, species and varieties introduced or described up to the end of 1947. The nomenclature follows the rules adopted by the several International Botanical Congresses from 1905 to 1935 and embodied in the third edition of the Rules of Botanical Nomenclature published in 1935; they are supplemented by changes and additions made by the Congress of the same year and published in 1936 in the Proceedings of the Sixth International Botanical Congress (1:336-68) and incorporated in the unofficial special edition of the Rules issued by the American Society of Plant Taxonomists in 1947. The latter edition also includes (pp. 33-93) the names of further nomina generica conservanda published in the Kew Bulletin of 1940, pp. 81-130, voted upon by a Special Committee appointed by the Congress of 1935.

New nomina conservanda, nomina dubia, confusa and ambigua proposed by different authors in various publications after 1936 and not yet voted upon, have been accepted in this publication, if they can be expected to receive a favorable vote at a future Botanical Congress. So far no lists of nomina dubia, confusa and ambigua have been submitted to the Congress.

The systematic arrangement of the families, genera and species has remained approximately the same as in the Manual except for some changes made necessary by recent studies. An effort has been made to record the nomenclature and synonymy of families and their subdivisions, to which comparatively little attention is being paid in most modern taxonomic publications. Of the division above families only the main higher groups are cited; orders (in the sense of the Rules) are not listed at all, since they are only of secondary importance. Of the families, the more important synonyms are listed and particularly those ending in *-aceae*, which are the only ones here considered in regard to priority. Art. 23 of the Rules simply states that "names of families are taken from the name of one of their present or former genera and end in *-aceae*." This implies that the oldest family name with the suffix *-aceae* and based on a generic name should be considered the legitimate name. In his article "The nomenclature of plant families" T. A. Sprague (in Jour. Bot. 60: 69-73. 1922) takes a different view; he states that "the priority of a family name formed from that of a genus should date from its first publication with a diagnosis, notwithstanding that it may have appeared in the form of the plural of the genus or with some suffix other than *-aceae*. In such cases, the name of the original author should be cited in parentheses." There is nothing in the Rules to support that proposition and the parenthetical author has so far, only been used in transfers without change in spelling or form of the transferred name or epithet. Therefore, the oldest names based on a generic name and ending in *-aceae* have been accepted with the exception of some alternate names not ending in *-aceae* listed in Art. 23. Also the list of Nomina familiarum conservanda in Synopsis of proposals concerning nomenclature by T. A. Sprague, pp. 62-66 [1935] and voted upon by the Congress of 1935 (see Proc. Sixth Intern. Bot. Cong. 1: 358. 1936) has been accepted; the names in this list are mainly names in general use and employed by Bentham & Hooker f., Genera plantarum, and Engler & Gilg, Syllabus der Pflanzenfamilien of 1924. The list lacks the names of many important fami-

lies at present generally accepted, but even so, it fortunately prevents a number of changes of generally accepted family names, particularly names proposed by Lindley in 1836 and later which are antedated by different validly published names proposed by Horaninov in his *Primae lineae systematis naturae* of 1834, a work overlooked by nearly all later authors. By some authors, names of families with an ending in French, German or any other language not Latin, and often with other differences in spelling, have been accepted as validly published, but names like *Castaneacées* can hardly be considered as conforming to the Rules, and if cited in this Bibliography are placed in brackets and treated as illegitimate synonyms. Of genera and species with their subdivisions, citation of full synonymy has been attempted with the exception of genera predominantly herbaceous or chiefly tropical and then reference is usually given to a place where a more complete synonymy can be found.

Under each genus a lectotype or standard-species has been cited. These lectotypes in some cases do not agree with those selected in the List of lectotypes of Linnaean genera proposed by A. S. Hitchcock and M. L. Green, published in the third edition of the Rules, pp. 139–143; this list has not been voted upon by the Congress nor critically studied by a Committee and is therefore not binding. In some cases, the acceptance of the lectotypes proposed in that list would lead to undesirable results, as e. g. in *Sorbus*, where *S. domestica* is listed as lectotype; this would result in the renaming of numerous species by those who divide *Sorbus* into several genera (see also Jour. Arnold Arb. 20: 270. 1939). Likewise in the genus *Lonicera* the acceptance of *L. Caprifolium* as lectotype would result in placing the majority of species under *Xylosteon* Mill., if *Lonicera* is split into two genera. *Myrica*, for which *M. Gale* is proposed as lectotype, is a similar case. The lectotypes, however, published with the nomina generica conservanda should be accepted, since those names have been voted upon and their confirmation includes the lectotypes which form an integral part of the list determining in many cases the generic concept.

In regard to subdivision of genera the wording of Art. 26 seems rather vague and the writer had proposed in 1939 (in Jour. Arnold Arb. 20: 269) for the Congress to be held in 1940 in Stockholm which was prevented from meeting by the outbreak of the second world war. In the present publication, in anticipation of an eventual revision of that article at the Congress to be held in 1950, it was considered best in order to avoid inconsistencies to use uniformly adjectives in plural for series and nouns for subgenera, sections and subsections. This also excludes such rather absurd names as *Crataegus* gruppe *Crura galli* Zabel and *Crataegus* §. *Douglasii* Loudon, which have been changed to *C. ser. Crus-gallianae* Rehd. and to *C. ser. Douglasianae* (Rehd.) Egglest.

In regard to subdivisions of species, it seemed practical to simplify matters and in accepted names to reduce a more complicated combination to a ternary name as permitted by Art. 28. Polynomial combinations, which, in some cases, run up to six epithets, as e. g. *Saxifraga aizoon* subsp. *euaizoon* var. *typica* subvar. *brevifolia* f. *multicaulis* subf. *surculosa* Engler & Irmscher may be accepted as classification of a certain plant, but are hardly suitable for practical use as a name. If a polynomial combination is to be reduced to a ternary name, the epithets between the specific and the last epithet may be cited either in parenthesis, or, as in the present work, added in quotation marks at the end of the citation. If cited in synonymy, the combination is given as published. Greek letters preceding a varietal epithet are considered the equivalent of varietas unless otherwise stated by the author and so are all trinomial combinations published before the beginning of the 19th century. Some later authors as Planchon and others have used Greek letters for subdivisions of different rank. Subdivisions of species preceded by a letter, a numeral or a symbol without indication of rank are considered, if later given a definite rank, as constituting a new grade, *gradus novus*, if the combination itself is not changed. (See also Jour. Arnold Arb. 8: 56–68. 1927.)



Terms for slight variations, as *lusus*, *monstrositas*, *mutatio*, have not been recognized and have been classed with *forma*. In some cases when it did not seem worth while to give an entirely new name to a quaternary combination of a horticultural form, as *Thuja occidentalis Douglasii pyramidalis*, which could not be reduced to a ternary combination on account of an earlier homonym for each of the two varietal epithets, the two epithets have been placed in quotation marks to indicate that the name does not constitute a botanical combination and that the plant should be regarded as a clonal garden form.

The publication of new combinations in the present work has been avoided and all necessary new combinations have been published elsewhere except changes of category without change of the combination itself, as the change of *varietas* to *forma* and *subspecies* to *varietas* and vice versa, which involves no change in the ternary name itself, e. g. the change of *Taxus canadensis* var. *stricta* Bailey to *T. canadensis* f. *stricta* (Bailey) Rehd. These changes are designated as *gradus novus* (see Jour. Arnold Arb. **22**: 570. 1941; and **26**: 67. 1945), which corresponds to L. H. Bailey's *status novus* (see Gent. Herb. **1**: 8. 1920) referring to change of rank in general, while his *translatio nova* refers to transfer of epithets from one genus to another or from one species to another without change of rank; both these terms are usually included under *combinatio nova*. Under his *status novus* Bailey includes both, change of rank with or without change of combination, but it seems more correct to make a further distinction between transfers involving a change of the combination and those without change of combination for which the term *gradus novus* has been proposed as stated above.

Names of clones have not been listed, although they are occasionally mentioned, since they are not part of botanical nomenclature. There are, however, many cases where botanical names have been given to cultivated plants which at the time the name was given represented clones, but the names themselves are not those of clones and should be considered the name of a group of plants, which means that any plant identical or nearly identical may later be included in that group. This is in accordance with the purpose of botanical nomenclature which is classificatory, while the purpose of horticultural is selective and aims to give a name to a certain outstanding plant without consideration of other related plants. The clonal name, therefore, represents an individual plant, or, being propagated vegetatively, a part of the original plant. Its name should be a noun appended to the botanical or vernacular group name of the plant in question (see also Jour. Arnold Arb. **10**: 65-68. 1929).

It may be noted here that rule b) under Nomenclature of Garden Plants (Internat. Rules Bot. Nomencl. ed. 3, p. 112. 1935) has been discussed in 1938 at the 12. Internat. Garenbau Kongr. Berlin, **1**:457 (3) (1939) and it was agreed that paragraph b in the Rules for Nomenclature of Garden Plants [see Appendix VII in ed. 3, p. 112] should be omitted and that "only fancy names should in future be used." This conforms to the generally accepted usage that names undistinguishable from botanical names should be treated according to the rules of botanical nomenclature. To make a distinction in nomenclature between variations of wild and cultivated plants does not seem feasible. There is certainly no difference in the character and taxonomic status between *Acer saccharum* f. *monumentale* (Temple) Rehder and *A. saccharum* f. *conicum* Fernald, the first based on a cultivated plant and the second on a wild plant, nor between *Ilex serrata* f. *xanthocarpa* Rehd. and *I. verticillata* f. *chrysocarpa* Robinson, the first introduced from Japanese gardens and the second found wild in Massachusetts and New Hampshire and probably other localities.

Hybrids are cited under their binary names, if they have received one, followed by the names of the parents in alphabetical order in parentheses, or in brackets if the names of the parents were not given or were given differently in the original publication. If they have not received a binary name, they are cited by their formula. Not accepted as validly published, however, have been names consisting of a formula with a subdivisional name attached to the

formula as *Rosa canina* × *gallica* b. *Waitziana* Keller and similar combinations (see Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 1: 275. 1902; see also Rehder in Jour. Arnold Arb. 10: 59–60. 1929), since they cannot be justified by any article of the Rules, and would cause confusion since they are indistinguishable from a combination like *Salix caprea* L. × *daphnoides* var. *pulchra* (Wimm.) Garcke, which stands for a hybrid between *S. caprea* L. and *S. daphnoides* Vill. var. *pulchra* (Wimm.) Garcke. In this work the former have been distinguished by a colon inserted between the formula and the varietal epithet, e. g. "*R. canina* × *gallica*: b. *Waitziana* (Tratt.) R. Keller.

Intergeneric hybrids are designated by a name usually formed by a combination of the names of the parent genera or, in the absence of such a name, by a formula. The hybrids between species of different genera are treated under the intergeneric name like species under a generic name, or in the absence of an intergeneric name they are listed as a formula. See also Furtado in Repert. Sp. Nov. Reg. Veg. 44: 244–255 (1938).

If a name of a group proposed but not described by one author is published by another author, the word *ex* is used to connect the names of the two authors. The word *in* is used if a description by one author is published by another author. The word *apud* which, according to Art. 48, is to be used instead of *in*, if the name of the second author does not form a part of the title of a book or periodical, though perhaps better Latin, is not used in this work, partly because the distinction made seems to be of little importance and chiefly because *apud* has become ambiguous, having been used by some authors in the sense of *ex* and by others in the sense of *in*. See also Jour. Arnold Arb. 20: 272 (1939).

The term *nomen subnudum* has been used in this work for new names which cannot be accepted as validly published, but must be considered *nomina nuda*, though they are accompanied in the context by some information or notes giving a clue to their identity; also illustrations without analytical figures accompanying names without descriptions fall into this category.

In transfers it seems important to indicate whether the parenthetical author is cited and correctly cited either in the combination itself or in the synonymy, or whether the correct citation of the basonym is supplied by a later author, for in some cases, the author of the new combination did not cite the original author of the basonym, but a later author, or cited it as a new name, without a basonym; in these cases the supplied name of the oldest author has been placed in brackets, instead of in parentheses; e. g. *Akebia quinata* [Houttuyn] Decaisne (1839), based by Decaisne on *Rajania quinata* Thunberg (1784), but that species had been published by Houttuyn as early as 1779; another example is *Rhododendron flavum* [Hoffmanns.] D. Don (1834) published by D. Don as a new name without a basonym, though the species had been published as *Azalea flava* by Hoffmannsegg in 1826. Brackets are also used to indicate supplied dates of publications either in regard to undated publications, or not exactly or incorrectly dated publications, as volumes published in parts or fascicles bearing on the title-page only the date of the final part or inclusive dates; dates on cover-pages of fascicles can hardly be considered as properly published because they do not form part of the bound volume and usually are left out in binding; fortunately, particularly in more recent works, the dates of publication of the parts are given elsewhere in the work and are then accepted as properly published.

Misidentifications are indicated by the word "*sensu*" preceding the name of the author who misinterpreted the name in question; the author of the correct name with date follows at the end of the citation preceded by "*non*" e. g. *Pinus inops* *sensu* Bongard [1832], *non* Aiton (1789).

The short annotations at the end of the citations, referring mostly to the status of the name, are in Latin as customary in taxonomic publications, particularly in those intended for international use. To avoid misunderstandings, it seemed advisable to treat the botanical names as indeclinables; the correct form of the nominative and the gender is sometimes not clearly recognizable in certain case forms and this may lead to mistakes. Thus the genus *Mitracarpus* Zucc.

published in 1827, has been treated as neuter and spelled *Mitracarpum* or *Mitracarpium*, until in 1884 A. Gray in his *Syn. Fl. N. Am.* 1,2: 32 drew attention to the mistake which had been made, because the name was first published in a Latin sentence in the accusative case, though the adjective "*crescentem*" referring to the botanical name would have established its masculine gender. Also names like *Rhus*, *Rhois*, and *Olax*, *Olacis* and those ending in -stemma, stemmatos, and stemon, stemonis, etc., might not always be readily recognized in one of the different case forms. Changes from the original spelling in listed names are indicated by giving the original spelling in quotation marks at the end of the citation. In the same way, any difference in the wording from a preceding citation under the same name is indicated by adding the change in quotation marks.

A considerable number of names of cultivated plants appeared first in trade catalogues, price-lists and similar ephemeral publications which, with very few exceptions, have not been preserved in botanical or general libraries; only in some of the larger horticultural libraries collections of trade catalogues can be found, but the sets are often incomplete and lack mostly the older issues which usually contain the names that are most important. Hunting in trade catalogues for certain names is, moreover, a time-consuming job, and even if the name is found, there is either no description or it is unsatisfactory and the name must be classed as a *nomen nudum* or *subnudum*, so that one feels that the time spent in the search has been wasted. It is therefore desirable that at the next International Botanical Congress, the proposal of an amendment to Art. 36 by F. R. Fosberg in *Am. Jour. Bot.* 26: 230 (1939) be considered and voted upon, — to reject, as not validly published, botanical names listed with or without description in nursery catalogues, price-lists, advertisements in periodicals and similar publications to promote the sale of certain plants. In the present publication names published in price-lists have been accepted, as they are not yet excluded by the Rules, and are cited when they could be located, but in many instances the references have remained incomplete, since in the collections accessible to the writer these particular catalogues were lacking. Most of the names listed first in nursery catalogues were sooner or later taken up and described in dendrological works as Loudon, *Arboretum and fruticetum britannicum*, K. Koch, *Dendrologie*, Jaeger, *Ziergehölze*, C. Schneider, *Illustriertes Handbuch der Laubholzkunde*, Mouillefert, *Traité des arbres et abrisseaux*, Nicholson, *Dictionary of gardening*, Dippel, *Handbuch der Laubholzkunde* and many other publications on woody plants, also in horticultural periodicals and in general botanical publications. These names, however, are rarely listed with an exact reference to their original place of publication, but usually bear only the citation Hort. or Hortul. or sometimes Hort. gall., Hort. angl., Hort. germ. They should be credited to the author who first validated them by publishing a description, without or with reference to the original source of the name preceded by "ex," as Hort. ex K. Koch, Lodd. ex Loudon.

Publications like Hoffmannsegg's catalogues of which different editions have been issued from 1823 to 1842 under varying titles, some as "*Preisverzeichniss*," are generally considered botanical publications and the new names proposed are accepted as validly published, since they are accompanied by descriptions and citations of literature; they should be classed as belonging to the same category as the seed catalogues of botanic gardens. The listing of prices is only secondary.

In a work as the present, the Index constitutes an important part. It should be as simple and clear as possible and not complicated by the inclusion of data not absolutely necessary. Therefore author citations and indications of rank and category of names have been omitted. For a detailed account of the principles followed in the listing of the names see the remarks at the beginning of the Index, p. 601-661.

As stated in the Foreword the compilation of this work was based chiefly on the excellent library of the Arnold Arboretum supplemented by the facilities of other Harvard libraries and

those of Boston. For an opportunity to work in important libraries outside of Boston the author is indebted to the American Academy of Arts and Sciences for a grant to cover traveling expenses.

The publication of this bibliography would not have been possible, if it had not been for the interest which the director of the Arboretum, Dr. E. D. Merrill, had taken in this work from the beginning and for his successful efforts to secure funds from friends of the Arboretum for financing its printing. Besides the author is indebted to him for help in the nomenclature of Rafinesquian names and of the names by other early American botanists as Bartram, Marshall and Eaton. The author is also indebted to other members of the staff in various ways: to Mr. V. C. Asmous in regard to Russian literature; to Dr. Leon Croizat for assistance chiefly in the nomenclature of families and their subdivisions; to Dr. A. C. Smith for advice concerning the nomenclature of Schizandraceae and related families; to Mr. E. J. Palmer chiefly in regard to the nomenclature of American species of *Crataegus*. For help in the difficult group of bamboos the author is under obligations to R. A. Young of the U. S. Department of Agriculture. For assistance in proofreading the author wishes to express his appreciation to Dr. C. E. Kobuski, Dr. Caroline K. Allen, and Dr. Lily M. Perry.

The work on this Bibliography was started in 1940, the year of my retirement from active service and was based in the beginning chiefly on bibliographical notes I had made during the preparation of the two editions of my Manual of cultivated trees and shrubs, published in 1927 and 1940; with the addition of the new woody plants described or introduced after 1940 up to the time the manuscript was ready for the printer. I was confident that the work could be finished within three or four years, for no one could foresee that soon a second world war of long duration would break out in which the United States and almost all countries of the world would become involved. The war caused a paper shortage which made printing of the work impossible during the war and also made it difficult and in some cases impossible to obtain access to new publications from foreign countries. All this delayed the completion of the work considerably.

ALFRED REHDER

ARNOLD ARBORETUM OF HARVARD UNIVERSITY  
JANUARY, 1949

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# EXPLANATION OF ABBREVIATIONS OF SERIALS AND TITLES\*

- Abh. Akad. Wiss. Berlin.** See Abh. Phys. Kl. Akad. Wiss. Berlin.
- Abh. Böhm. Ges. Wiss.** Abhandlungen: Böhmisches Gesellschaft der Wissenschaften. Prag, 1775–1885. For continuation see: Abh. Math.-Nat. Cl. Böhm. Ges. Wiss.
- Abh. Landesk. Prov. Westpreuss.** Abhandlungen zur Landeskunde der Provinz Westpreussen. Danzig, 1890–1908 // ?
- Abh. Leop.-Carol. Akad. Naturf.** See Verh. Leop.-Carol. Akad. Naturf.
- Abh. Math.-Nat. Cl. Böhm. Ges. Wiss.** Abhandlungen der mathematisch-naturwissenschaftlichen Classe: (Königliche) böhmische Gesellschaft der Wissenschaften. Ser. 7. Prag, 1885 → Bohemian title: Česka společnost nauk: Rozpravy Třída mathematicko-přirodovedecká.
- Abh. Math.-phys. Cl. Akad. Wiss. Münch.** Abhandlungen der mathematisch-physikalischen Classe: Königliche (bayerische) Akademie der Wissenschaften zu München, 1829 →. Also called Mathematisch-naturwissenschaftliche Abteilung. From 1918 title reads: Bayerische Akademie . . .
- Abh. Naturf. Ges. Halle.** Abhandlungen; Naturforschende Gesellschaft zu Halle. Halle, 1854 →
- Abh. Naturh. Ges. Nürnberg.** Abhandlungen: Naturhistorische Gesellschaft zu Nürnberg. Nürnberg, 1852 →
- Abh. Naturw. Ver. Bremen.** Abhandlungen; Naturwissenschaftlicher Verein zu Bremen. Bremen, 1868 →
- Abh. Phys. Kl. Akad. Wiss. Berlin.** Abhandlungen der physikalischen Klasse; Königliche (preussische) Akademie der Wissenschaften zu Berlin. Berlin, 1804–37, 1852–1907. Continued as: Abhandlungen der physikalisch-mathematischen Klasse. 1908 →
- Académie d'agriculture de France, see Mém. Soc. Agric. France.
- Act. Acad. Elect. Sci. Theod.-Palat.** Acta: Academia electoralis scientiarum et elegantiarum litterarum Theodoropalatina. Mannheimii, 1766–94. Has also title: Historia et commentationes.
- Act. Acad. Sci. Petrop.** Acta: Academia scientiarum imperialis petropolitana. Petropoli, 1777–82. For continuation see Nov. Act. Acad. Sci. Petrop. Preceded by Commentarii and Novi commentarii . . . 1726–1776.
- Act. Congr. Intern. Bot. Bruxelles.** Actes du Troisième Congrès international de botanique. Bruxelles, 1910.
- Act. Hort. Berg.** Acta Horti Bergiani. Stockholm, Uppsala, 1891 → Swedish title: Meddelanden från Kongl. Svenska Vetenskaps-akademiens trädgård Bergielund.
- Act. Hort. Bot. Univ. Jurjev.** Acta horti botanici: Universitas imperialis jurjevensis. Yuriev, 1900 → Russian title: "Trudy botanicheskogo sada: Imperatorskii Yurievskii Universitet."
- Act. Hort. Bot. Univ. Latv.** Acta Horti botanici Universitatis latviensis. Riga, 1926 → Latvian title: Latvijas universitate: Botaniskā darzā Raksti.
- Act. Hort. Gothoburg.** See Meddel. Göteborg Bot. Trädg.
- Act. Hort. Petrop.** Acta: Hortus petropolitanus. St. Petersburg, 1871 → Russian title: Trudy: Imperatorskii S.-Petersburgskii botanicheskii sad, later Trudy Glavnogo botanicheskogo sada. Vol. 43, no. 2–44 (1931) have title: Acta Horti botanici Academiae scientiarum. Continued as Acta Instituti botanici Academiae scientiarum U. R. S. S. (Trudy Botanicheskogo instituta Akademii nauk S.S.S.R.)
- Act. Hort. Tiflis.** See Trudy Tiflissk. Bot. Sad.
- Act. Inst. Bot. Acad. U. R. S. S. Ser. I.** Acta Instituti botanici: Academia scientiarum Unionis Rerum publicarum Sovieticarum Socialisticarum Ser. I (Syst.). Leningrad, 1932 → Russian title: Trudy Botanicheskogo instituta Akademii nauk S. S. S. R. For earlier series see Act. Hort. Petrop.
- Act. Phys. Med. Acad. Nat. Curios.** Acta physico-medica: Academia caesarea, Leopoldino-Carolina naturae curiosum. Norimbergae, 1727–54. For continuation see: Verh. Leop.-Carol. Akad. Naturf.
- Act. Phytogeog. Suec.** Acta phytogeographica suecica: Svenska växtgeografiska sällskapet. Uppsala, 1929 →
- Act. Phytotax. Geobot.** Acta Phytotaxonomica et geobotanica (Societas phytogeographica). Kyoto, 1932 →
- Act. Soc. Hist. Nat. Paris.** Actes: Société d'histoire naturelle de Paris. Paris, 1792 //
- Act. Soc. Linn. Bordeaux.** Actes: Société Linnéenne de Bordeaux. Bordeaux, 1826 → Preceded by Bulletin d'histoire naturelle (1826–29).
- Act. Soc. Sci. Fenn.** Acta Societatis scientiarum fennicae (Finska vetenskaps-societaten). Helsingfors, 1839–1926 //
- Adansonian.** Adansonian; recueil périodique d'observations botaniques (ed. H. Baillon). Paris, 1860–79 //
- Addisonian.** Addisonian, colored illustrations and popular descriptions of plants (New York botanical garden). New York, 1916 → .
- Agric. Jour. Brit. Columbia.** Agricultural journal of British Columbia. Victoria, 1916–25 //
- Allg. Bot. Zeitschr.** Allgemeine botanische Zeitschrift für Systematik, Floristik, Pflanzengeographie, etc. Karlsruhe, 1895–1927 //
- Allg. Deutsch. Gart.- & Blumenzeit.** Allgemeine deutsche Garten- und Blumenzeitung. Hamburg, 1845–51. Has also title: Neue allgemeine . . . For continuation see Hamburg. Gart.- & Blumenzeit.
- Allg. Forst- & Jagdjour.** Allgemeine Forst- und Jagd-Journal. Prag, 1831–37.
- Allg. Forst- & Jagdzeit.** Allgemeine Forst- und Jagd-Zeitung. Frankfurt a. M., 1825 →
- Allg. Gartenzeit.** Allgemeine Gartenzeitung; eine Zeitschrift für Gärtnerei . . . Berlin, 1833–56. For continuation see Berlin. Allg. Gartenzeit.
- Allg. Deutsch. Garten-Mag.** Allgemeines deutsches Garten-Magazin oder gemeinnützige Beiträge für alle Theile des praktischen Gartenwesens. (ed. F. J. Bertuch & J. F. Sickler). Weimar, 1804–24. Continued as Neues allgemeines Gartenmagazin, 1825–28 //

\* Cross references from one abbreviation to another indicate that both abbreviations have been used in this work. Titles not abbreviated represent the continuation of the serial under a different title not cited in this work.

- Allg. Thüring. Gartenzeit.** Allgemeine thüringische Gartenzeitung. Erfurt, 1842–58 //
- Alpe.** L'Alpe; rivista forestale italiana. Florence etc., 1903–38. Continued as Rivista forestale italiana.
- Am. Bot.** American botanist. San Diego, Calif., 1898 →
- Am. Entomologist.** American entomologist. St. Louis, New York, 1868–1880 // Vol. 2 reads American entomologist and botanist.
- Am. Florist.** American florist. Chicago, 1885–1931 //
- Am. For.** American forests. Washington, 1895 → Published as: New Jersey forester (vol. 1); Forester (vol. 1–7); Forestry and irrigation (vol. 8–14); Conservation (vol. 14–15); American forestry (vol. 16–29); American forests and forest life (vol. 30–36); American forests (vol. 37 →)
- Am. Garden.** The American Garden; an illustrated journal of horticulture. New York, 1872–1891. Vol. 72 as Flower Garden. For continuation see Am. Gardening.
- Am. Gardening.** American gardening. New York, 1892–1904 // In 1905 merged with Western fruit-grower. For earlier series see Am. Garden.
- Am. Jour. Bot.** American journal of botany (Botanical society of America). Brooklyn, N. Y., 1914 →
- Am. Jour. Sci.** American journal of science, New Haven, Conn. 1818 → From 1820–79 as American journal of science and arts. Also known as Silliman's journal of science.
- Am. Midland Nat.** American midland naturalist, devoted to natural history, primarily that of the prairie states, Notre Dame, Ind. 1909 → Vol. I, no. 1–4 as Midland Naturalist.
- Am. Monthly Mag.** American monthly magazine and critical review. New York, 1817–19 //
- Am. Naturalist.** American naturalist; an illustrated magazine of natural history. Salem, Philadelphia, Boston, etc. 1868 → With varying subtitle.
- Am. Nurseryman.** American nurseryman, Rochester, N. Y.; 1904 → Vol. 1–24 (1904–16) as American fruits.
- Am. Nut Jour.** American nut journal. Petersburg, Va., 1904–19 // From Vol. 4 (1906) as American fruit and nut journal.
- Am. Rose Ann.** American rose annual; yearbook of rose progress (American rose society). Harrisburg, Pa., 1916 →
- Anal. Acad. Ci. Habana.** Anales: Academia de ciencias médicas, físicas y naturales de la Habana. Habana, 1864–74 //
- Anal. Ci. Nat. Madrid.** Anales de ciencias naturales (vols. 3–7). Madrid, 1801–4. For earlier vols. see Anal. Hist. Nat. Madrid.
- Anal. Hist. Nat. Madrid.** Anales de historia natural (vols. 1–2). Madrid, 1799–1800. For continuation see Anal. Ci. Nat. Madrid.
- Anal. Inst. Biol. Mex.** Anales del Instituto de biología, Universidad autónoma. Mexico, 1930 →
- Anal. Soc. Ci. Argent.** Anales: Sociedad científica argentina. Buenos Ayres, 1876 →
- Anal. Soc. Españ. Hist. Nat.** Anales: Sociedad española de historia natural. Madrid, 1872–1901 //
- Anal. Univ. Chile.** Anales: Universidad de Chile. Santiago, 1843 →
- Ann. Bot.** Annals of botany (ed. I. B. Balfour & others) London, 1887 →
- Ann. Bot. Gard. Calcutta.** Annals: Royal Botanic Garden, Calcutta. Calcutta, 1887 →
- Ann. Carnegie Mus.** Annals: Carnegie Museum. Pittsburgh, Pa. 1901 →
- Ann. Conserv. Jard. Bot. Genève.** Annuaire: Conservatoire et jardin botaniques de Genève. Genève, 1897 →
- Ann. der Bot. (Usteri).** Annalen der Botanik (ed. P. Usteri). Vols. 1–24. Zürich, 1791–1800. Vol. 1–6 as Annalen der Botanik; Vols. 7–24 have also title: Neue Annalen der Botanik (vols. 1–18). For earlier series see Mag. für Bot. (Römer & Usteri).
- Ann. di Bot. (Viviani).** Annali di botanica (ed. D. Viviani). Genova, 1802–4 // Pt. 2 has title: Annales botanici.
- Ann. di Stor. Nat.** Annali di storia naturale (R. Accademia delle scienze del Istituto de Bologna). Bologna, 1829–30. Continued as Nuov. annali delle scienze naturali.
- Ann. Fl. Pomone.** Annales de flore et de pomone; ou, Journal des jardins et des champs (ed. Cels, Camusat, etc.). Paris, 1832–48 // Preceded by Journal et flore des jardins (1830–2).
- Ann. For. (Paris).** Annales forestières. Paris, 1842–65 // Vols. 1855–65 as Annales forestières et métallurgiques. Merged into Revue des eaux et forêts.
- Ann. Gén. Sci. Phys.** Annales générales des sciences physiques. Brussels, 1819–21 //
- Ann. Hort. Belg.** Annales de l'horticulture en Belgique. Bruxelles, 1866–72. Continued as Annales de l'horticulture; Organe de la Société centrale d'arboriculture en Belgique (1873–87). Continued as Bulletin: Société centrale d'arboriculture en Belgique (1889–90) //
- Ann. Hort. Bot. Pays-Bas.** Annales d'horticulture et de botanique; ou, Flore des jardins du royaume des Pays-Bas et histoire des plantes cultivées (Société royale d'horticulture des Pays-Bas). Leide, 1858–62 //
- Ann. Inst. Hort. Fromont.** Annales: Institut horticole de Fromont. Paris, 1829–34 //
- Ann. Istit. Bot. Roma.** Annuario: R[eale] istituto botanico di Roma. Milano & Roma, 1884–1903. Continued as Annali di botanica (Rome).
- Ann. Lyc. Nat. Hist. New York.** Annals: Lyceum of natural history of New York. New York, 1824–76 //
- Ann. Mag. Nat. Hist.** Annals and magazine of natural history. London, 1838 → Title of Vol. 1–5 (1838–40) reads Annals of Natural history; or, Magazine of zoology, botany & geology.
- Ann. Missouri Bot. Gard.** Annals: Missouri botanical garden. St. Louis, Mo., 1914 →
- Ann. Mus. Bot. Lugd.-Bat.** Annales: Museum botanicum lugduno-batavum. Amstelodami, 1868–69 //
- Ann. Mus. Fis. Stor. Nat. Firenze.** Annali: R[eale] museo di fisica e storia naturale di Firenze. Firenze, 1865 // Preceded by: Annali: Imperiale museo di Firenze. Firenze, 1808–10.
- Ann. Mus. Hist. Nat. Paris.** Annales: Muséum d'histoire naturelle. Paris, 1802–13. Continued as Nouvelles Annales . . . 1832–35.
- Ann. Nat. Hist.** See: Ann. Mag. Nat. Hist.
- Ann. Naturh. Hofmus. Wien.** Annalen: K[aiserlich]-k[öniglich] Naturhistorisches Hofmuseum (Vol. 1–32). Wien, 1886–1918. For continuation see Ann. Naturh. Mus. Wien.

- Ann. Naturh. Mus. Wien.** Annalen: Naturhistorisches Museum in Wien (Vol. 33). Wien, 1920 → For earlier vols. see *Ann. Naturh. Hofmus. Wien*.
- Ann. Obstkunde.** Annalen der Obstkunde (Altenburgische pomologische Gesellschaft). Leipzig, 1821–27 //
- Ann. Rep. Accl. Soc. Victoria.** Annual report: Acclimatization society of Victoria. Victoria, Melbourne, 1861–1936 // 1871–1909 as Zoological and acclimatization society of Victoria. 1910–36 as Royal zoological and acclimatization society of Victoria.
- Ann. Rep. Commiss. Parks Detroit.** Annual Report. [Not seen.]
- Ann. Rep. Geol. Survey New York.** Annual Report. [Not seen.]
- Ann. Rep. Minnesota State Hort. Soc.** Annual Report: Minnesota state horticultural society. St. Paul & Minneapolis, 1883–98. Preceded by History . . . 1873; Transactions . . . 1874–82. Continued as: Trees, fruits and flowers of Minnesota . . . (1899–1920), and as: Trees, fruits, flowers and vegetables of Minnesota (1921–30).
- Ann. Rep. Missouri Bot. Gard.** Annual Report: Missouri botanical garden. St. Louis (Mo.) 1889–1911 //
- Ann. Rep. New York State Mus. Nat. Hist.** Annual Report: New York state museum. Albany, 1847–1918 // Subtitle varies.
- Ann. Rep. Ohio State For. Bur.** Annual report: Ohio State forestry bureau. Columbus, 1885–90.
- Ann. Rep. Smithson. Inst.** Annual report: Smithsonian institution. 1846 →
- Ann. Rep. S. Dakota State Hort. Soc.** Annual report: South Dakota state horticultural society. Aberdeen, 1903 → Some years as: Proceedings.
- Ann. Rep. Taihoku Bot. Gard.** Annual report of the Taihoku botanic garden; Taihoku imperial university; Faculty of science and agriculture Taihoku, 1931 →
- Ann. Rep. U. S. Commiss. Patents.** See *Rep. U. S. Commiss. Patents*.
- Ann. Rep. West Virginia Agric. Sta.** Annual report: West Virginia Agricultural Experiment Station. Charles-town & Fairmont, (1887) 1889 →
- Ann. Sci. Acad. Polytech. Porto.** Annaes scientificos: Academia polytechnico do Porto. Coimbra, 1905–26 // 1922–26 as Oporto Universidade; Faculdade de ciencias; Anaes scientificos.
- Ann. Sci. Nat.** Annales des sciences naturelles. Paris, 1824–33. For continuation see *Ann. Sci. Nat. Bot*.
- Ann. Sci. Nat. Bot.** Annales des sciences naturelles: Botanique, sér. 2 → Paris, 1834 → For earlier series see *Ann. Sci. Nat*.
- Ann. Scott. Nat. Hist.** Annals of Scottish natural history; a quarterly magazine with which is incorporated the Scottish naturalist. Edinburgh, 1892–1911 // Preceded by Scottish naturalist (1871–91).
- Ann. Soc. Agric. Bot. Gand.** Annales: Société royale d'agriculture et de botanique de Gand; journal d'horticulture et des sciences accessoires (ed. Ch. Morren). Gand, 1845–49 //
- Ann. Soc. Bot. Lyon.** Annales: Société botanique de Lyon. Lyon, 1873–1921 // Merged in 1921 into Annales: Société linnéenne de Lyon.
- Ann. Soc. Dendr. Pologne.** Annales de la Société dendrologique de Pologne. Polish title: Rocznik: Polskie towarzystwo dendrologiczne. Lwow, 1926–30 → ?
- Ann. Soc. Hort. Pays-Bas.** See: Jaarb. Nederl. Maatsch. Anmoed. Tuinb.
- Ann. Soc. Linn. Lyon.** Annales: Société linnéenne de Lyon, 1826–1936 //
- Ann. Soc. Hort. Paris.** Annales et journal special . . . du jardinage: Société (royale) d'horticulture de Paris. Paris, 1827–54. From 1836–48 as Société royale . . . from 1849–70 as Société impériale . . . For continuation see *Jour. Soc. Nat. Hort. France*.
- Ann. Soc. Sci. Bruxell.** Annales: Société scientifique de Bruxelles. Bruxelles, 1875–1926 //
- Ann. Trav. Publ. Belg.** Annales des travaux publics de Belgique (Ministère de l'agriculture et des travaux publics). Bruxelles, 1843 →
- Ann. Wien. Mus. Nat.** Annalen: Wiener Museum der Naturgeschichte. Wien, 1835–40 //
- Anzeig. Entdeck. Phys. Chem. Naturgesch. Technik.** see *Ukaz. Otkr. Fizik. . .*
- Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien.** Anzeiger der mathematisch-naturwissenschaftlichen Classe: Kaiserliche Akademie der Wissenschaften. Wien, 1864 →
- Arbeit. Naturf. Ver. Riga.** Arbeiten: Naturforschender Verein zu Riga. Rudolstadt, 1847–8; Riga, 1865 → Also called *Naturforscher-verein*.
- Arbor. Bull. Seattle.** Arboretum Bulletin: University of Washington Arboretum foundation, Seattle. Seattle, Wash., 1936 →
- Arch. de Flore.** Archives de flore: journal botanique (ed. F. Schultz). Wissembourg, [1854–69]. Preceded by: Archives de flore de France et Allemagne [1850–53]. For continuation see *Arch. de Flore Eur*.
- Arch. de Flore Eur.** Archives de flore de l'Europe (ed. F. Schultz). Weissenburg, 1872–74. For earliest series see *Arch. de Flore*.
- Arch. für Bot. (Roemer).** Archiv für die Botanik (ed. J. J. Roemer). Leipzig, 1796–1805 //
- Arch. Mus. Hist. Nat. Paris.** Archives: Muséum d'histoire naturelle. Paris, 1839–61, 1926 → For vols. of 1865–1914 see *Nouv. Arch. Mus. Hist. Nat. Paris* (1865–1914).
- Arch. Naturgesch. (Wiegmann).** Archiv für Naturgeschichte (ed. A. F. E. Wiegmann & others). Berlin, 1835 →
- Arch. Nauk Biol. Tow. Nauk Warsz.** Archivum nauk biologicznych: Towarzystwo naukowe warszawskie. Warsaw, 1921 → Has also French and German titles: "Société scientifique de Varsovie" and "Gesellschaft der Wissenschaften in Warschau."
- Arch. Néerl. Sci. Nat.** Archives néerlandaises des sciences exactes et naturelles (Société hollandaise des sciences à Harlem). La Haye & Haarlem, 1866–1910 //
- Arch. Pharm.** Archiv. der Pharmacie. Lemgo, Berlin, etc. 1835 → Preceded by *Archiv des Apotheker-vereins im nördlichen Deutschland*, 1821–31; vol. 40–51 (1832–34) included in *Annalen der Pharmacie*, vol. 1–12.
- Arch. Sci. Phys. Nat.** See *Bibl. Univ. Arch. Sci. Phys. Nat*.
- Archivio Bot.** Archivio botanico per la sistematica, fitogeografia . . . (Modena Università; Istituto botanico). Forlì, 1925 →
- Arnoldia.** Arnoldia (Arnold Arboretum, Harvard University). Jamaica Plain, Mass. 1941 → For preceding series see *Bull. Arnold Arb*.
- As. Research. As. Soc. Bengal.** Asiatick researches or Transactions . . . : Asiatic Society of Bengal. Calcutta, 1788–1836 //

- Atlantic Jour. (Rafinesque).** Atlantic Journal and friend of knowledge (ed. C. S. Rafinesque). Philadelphia, 1832-33 //
- Atti Accad. Sci. Napoli.** Atti: Reale accademia delle scienze (Società reale borbonica). Napoli, 1819-51 // Preceded by Atti (1737-88). Continued as Memorie (1852-57). Continued as Atti: Reale Accademia delle scienze fisiche e matematiche. Napoli, 1861 →
- Atti Istit. Bot. Univ. Pavia.** Istituto Botanica dell'Università di Pavia. Milano, 1888 →
- Atti Istit. Incor. Sci. Nat. Napoli.** Atti: Reale istituto d'incoraggiamento alle scienze naturali, economiche e tecnologiche di Napoli. Napoli, 1806-86. Continued as Atti: Reale istituto d'incoraggiamento di Napoli, 1893 →
- Atti Istit. Venet. Sci.** Atti: Imperiale reale istituto veneto di scienze, lettere ed arti. Venezia, 1840 →
- Atti Riun. Sci. Ital.** Atti: Riunione delgi scienziati italiani Turin, 1839-45. Continued as Atti: Congresso delgi scienziati italiani. Turin, 1846-75 // ?
- Bambou Son Étude.** Le bambou; son étude, sa culture, son emploi; Bulletin périodique. Mons, 1906-08 //
- Bartonia.** Bartonia: Proceedings of the Philadelphia botanical club. Philadelphia, 1908 →
- Bay Cities Gard. Monthly.** Bay Cities Garden Monthly. Berkeley, Calif. 1932-1933. Continued as Gardens of the Pacific, 1933-35 //
- Beitr. Naturk. Kiel (Weber & Mohr).** Beiträge zur Naturkunde (ed. F. Weber & H. M. Mohr). Kiel, 1805-10 // Preceded by Archiv für die systematische Naturgeschichte. Leipzig, 1804.
- Beitr. Pflanzenk. Russ. Reich.** Beiträge zur Pflanzenkunde des Russischen Reiches (Kais. Akademie der Wissenschaften). Russian title: Materialy k blizhaishemu poznaniu proziabaemosti Rossiiskoï imperii. St. Petersburg, 1844-59 //
- Belg. Hort.** Belgique horticole; journal des jardins, des serres et des vergers. Liège, 1851-55 //
- Ber. Bayr. Bot. Ges.** Berichte: Bayerische botanische Gesellschaft zur Erforschung der heimischen Flora. München, 1891 →
- Ber. Deutsch. Bot. Ges.** Berichte: Deutsche botanische Gesellschaft. Berlin, 1883 →
- Ber. Schweiz. Bot. Ges.** Berichte: Schweizerische botanische Gesellschaft. Basel & Genf. (vol. 1 & 2). French title: Bulletin: Société botanique suisse. Bern, 1891 →
- Ber. Ver. Naturk. Cassel.** Bericht: Verein für Naturkunde zu Cassel. Cassel, 1837 → From vol. 40 as Abhandlungen und Bericht.
- Bergens Mus. Skrift.** Bergens Museum; Skrifter. Bergen, Norway, 1878 →
- Berlin Allg. Gartenzeit.** Berliner allgemeine Gartenzeitung. Berlin, 1857-58. For earlier series see Allg. Gartenzeit.
- Bibl. Bot.** Bibliotheca botanica: Abhandlungen aus dem Gesamtgebiet der Botanik. Kassel etc., 1886 →
- Bibl. Ital. (Milano).** Biblioteca italiana; ossia Giornale di letteratura, scienze ed arti. Milano, 1816-40. Continued as: Giornale dell' I. R. istituto lombardo di scienze, lettere ed arti e Biblioteca italiana. Milano, 1841-56 //
- Bibl. Univ. Arch. Sci. Phys. Nat.** Bibliothèque universelle de Genève; archives des sciences physiques et naturelles. Paris & Genève, 1846-57. Continued as Bibliothèque universelle et revue suisse; archives. Genève, 1858-78. Continued as Bibliothèque universelle; archives . . . Genève, 1879 →
- Bibl. Univ. Genève.** Bibliothèque universelle de Genève. Genève, 1836-45. Preceded by Bibliothèque universelle des sciences, belles-lettres et arts, faisant suite à la Bibliothèque britannique, 2me série. Genève, 1816-35. For continuation see Bibl. Univ. Arch. Sci. Phys. Nat.
- Bienn. Rep. Calif. State Board For.** Biennial report: California state board of forestry. Sacramento, 1886-92 //
- Bijdr. Natuurk. Wetensch.** Bijdragen tot de natuurkundige wetenschappen. Amsterdam, 1826-32 //
- Billottia.** Billottia; ou, notes de botanique. Besançon, 1864-79 //
- Biltmore Bot. Stud.** Biltmore botanical studies; a journal of botany. Biltmore, N. C., 1901-02 //
- Biol. Centralbl.** Biologisches Centralblatt. Erlangen. 1881 →
- Biol. Leaff.** (Kelso). Biological leaflets; ed. Leon Kelso. Washington, 1933 →
- Biol. Meddel. Dansk. Vidensk. Selsk.** Biologiske Meddelelser: K. danske videnskabernes selskab. Kjøbenhavn, 1917 →
- Biol. Zentralbl.** See Biol. Centralbl.
- Blätt. Ver. Landesk. Niederoester.** Blätter: Verein für Landeskunde und Heimatschutz von Niederoesterreich und Wien. Wien, 1865-1901. Continued as Jahrbuch für Landeskunde von Niederoesterreich 1902 →
- Blumen- & Pflanzenbau.** Blumen- und Pflanzenbau (Reichsverband des deutschen Gartenbaues). Berlin, 1885-1933. Continued as "Blumen- und Pflanzenbau" vereinigt mit "Die Gartenwelt"; 1934 →
- Bol. Inst. Nac. Invest. Exper. Agron. For Madrid.** Boletín: Instituto nacional de investigaciones y experiencias agronómicas y forestales. Madrid, 1928-29 // ?
- Bol. Soc. Broter.** Boletim annual: Sociedade Broteroana, Coimbra, 1880 → Beginning with vol. 4 (1886) the word "annual" is dropped from the title.
- Bol. Soc. Españ. Hist. Nat.** Boletín: Real sociedad española de historia natural. Madrid, 1901-37 //
- Bol. Soc. Iber.** Boletín: Sociedad ibérica de ciencias naturales. Saragossa, 1892 → Of vol. 1902-18 title reads: Sociedad aragonesa de ciencias naturales.
- Boll. Naturalista.** Bolletino del naturalista, collettore . . . Siena, 1881-1888. Subtitle varies. Continued as Rivista italiana di scienze naturali. Siena, 1889-1910? //
- Boll. Ort. Bot. Palermo.** Bolletino: (Reale) orto botanico di Palermo. Palermo, 1897-1921 // Continued as: Lavori: R. Istituto botanico di Palermo. 1930 →
- Bon. Jard.** Bon jardinier: almanach (horticole). Nancy & Paris, 1755 → With varying subtitle (see Rehder, Bradley bibliography, 3: 19. 1915).
- Bonplandia.** Bonplandia: Zeitschrift für die gessammte Botanik. Hannover, 1853-1862 //
- Boston Jour. Nat. Hist.** Boston journal of natural history: Boston society of natural history. Boston, 1837-63. For continuation see Mem. Boston Soc. Nat. Hist.
- Bot. Bull. Acad. Sin.** Botanical bulletin of Academia sinica. Shanghai, 1947 →
- Bot. Centralbl.** Botanisches Centralblatt: referirendes Organ für das Gesamtgebiet der Botanik des In- und Auslandes. Kassel etc. 1880 → From 1938 (vol. 174) title reads Botanisches Zentralblatt.

- Bot. Centralbl. Beih.** Botanisches Centralblatt; Beihefte. Kassel etc. 1891 →
- Bot. Gard. (Maund.)** The botanic garden; consisting of highly finished representations of hardy ornamental plants cultivated in Great Britain. By B. Maund. London, 1824-50 //
- Bot. Gaz.** Botanical gazette. Hanover (Ind.) & Chicago, 1875 →
- Bot. Jahrb.** Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie (ed. by A. Engler and others). Leipzig, 1881 → With "Beiblätter" separately numbered and paged.
- Bot. Közl.** Botanikai közlemények; a, Kir. magyar természettudományi társulat növénytani szakosztályának folyóirata. Budapest, 1909 → For vol. 1-7 (1902-08) see Növ. Közl.
- Bot. Mag.** Botanical magazine; or Flower-garden displayed (ed. by William Curtis). London, 1787-1800. Continued as: Curtis's botanical magazine or Flower-garden displayed (ed. by John Sims and others). London, 1801-44. Continued as: Curtis's botanical magazine comprising the plants of the Royal botanic gardens (ed. by W. J. Hooker and others). London, 1845 →
- Bot. Mag. Tokyo.** Botanical magazine (Tokyo botanical society). Tokyo, 1887 →
- Bot. Miscell.** Botanical miscellany; containing figures and descriptions of such plants as recommend themselves by their novelty . . . (ed. by William Hooker). London, 1830-33. For continuation see Jour. Bot. (Hooker).
- Bot. Notiser.** Botaniska notiser. Lund, Upsala & Stockholm, 1839 → From 1849-56 as Nya botaniska notiser.
- Bot. Reg.** Botanical register, consisting of coloured figures of exotic plants cultivated in British gardens. London, 1815-47 // Vols. 1-13 (1815-23) ed. by J. B. Ker; vols. 14-33 (1824-47) by J. Lindley under the title Edward's Botanical register.
- Bot. Tidsskr.** Botanisk Tidsskrift udgivet of den Botaniske forening i Kjøbenhavn, 1866 →
- Bot. Zeitung.** Botanische Zeitung. Berlin & Leipzig, 1843-1910 //
- Bot. Zhur. S.S.S.R.** See Jour. Bot. U.R.S.S.
- Botanist (Maund & Henslow).** The botanist; consisting of highly finished representations of tender and hardy ornamental plants; conducted by B. Maund, assisted by J. S. Henslow. London, 1838-42 //
- Brooklyn Bot. Gard. Rec.** Brooklyn botanic garden record (Brooklyn institute of arts and sciences). Brooklyn, N. Y., 1912 →
- Bull. Acad. Intern. Géog. Bot.** Bulletin: Académie internationale de géographie botanique (vols. 9-20). Le Mans, Paris, 1900-1910. For vols. 1-8 see Monde des Pl. For continuation see Bull. Géog. Bot.
- Bull. Acad. Sci. Belg.** Bulletins: Académie royale des sciences, des lettres et des beaux arts de Belgique. Bruxelles, 1836 → Title of vols. 1-12 reads Bulletins: Académie royale des sciences et des belles lettres de Bruxelles. There are also minor changes of the title.
- Bull. Acad. Sci. St. Pétersb.** Bulletin scientifique: Académie impériale des sciences de St. Pétersbourg. St. Pétersbourg, 1836-42. For sér. 2 (1843-59) see Bull. Phys.-Math. Acad. Sci. St. Pétersb. Sér. [3-] 6, vol. 8 (1860-1914) as Bulletin: Académie impériale des sciences de St. Pétersbourg.
- Bull. Agric. For. Coll. Suigen Corea.** Bulletin: Agricultural and forestry college Suigen. Suigen, Korea, 1925 →
- Bull. Am. Rock Gard. Soc.** Bulletin: American Rock Garden Society. Plainfield, N. J. 1943 →
- Bull. Appl. Bot. (Pl. Breed.)** Bulletin of applied botany and plant breeding. Petrograd, 1908-1931. Russian title: Trudy po prikladnoi botanike genetike i selektsii. Vols. 1-13 (1908-23) as Trudy biuro po prikladnoi botanike (Bulletin des Bureau für angewandte Botanik, vol. 1-6, later Bulletin für angewandte Botanik, vol. 7-13). After 1931 divided into several series with varying titles.
- Bull. Arnold Arb.** Bulletin of popular information: Arnold Arboretum Harvard University. 1911-1940. For continuation see Arnoldia.
- Bull. Biol. Ser. Univ. Montana.** Bulletin: Biological series: University of Montana. Bozeman, 1901-10 //
- Bull. Bot. (Seringe).** Bulletin botanique; ou Collection des notices originales et extraits des ouvrages botaniques (ed. N. C. Seringe). Genève, 1830-32 //
- Bull. Calif. Acad. Sci.** California Academy of Science. San Francisco, 1884-87 //
- Bull. Charleston Mus.** Bulletin: Charleston museum. Charleston, S. C., 1905-22. Continued as Quarterly: Charleston museum, 1923-32 //
- Bull. Chin. Bot. Soc.** Bulletin: Chinese Botanical Society, Peiping, 1935 →
- Bull. Fan Mem. Inst. Biol.** Bulletin: Fan memorial institute of biology. Peiping, 1929-33 //
- Bull. Far East Br. Acad. Sci. U.S.S.R.** Bulletin: Far Eastern branch of the Academy of sciences of the U.S.S.R. Vladivostok, 1932-39 // Russian title: Vestnik: Dal'nevostochnyi filial Akademii nauk S.S.S.R. Preceded by Far Eastern regional institute for scientific research, Vladivostok (1929-30?). Russian title: Dal'nevostochnyi kraevoi nauchno-izsledovatel'skii institut. Vladivostok.
- Bull. Féd. Soc. Hort. Belg.** Bulletin: Fédération des sociétés d'horticulture de Belgique. Gand, Liège & Bruxelles, 1861-88 //
- Bull. Géog. Bot.** Bulletin de géographie botanique; organe mensuel d'Académie internationale botanique (vols. 21-29). Le Mans, 1911-19 // For preceding vols. see Bull. Acad. Intern. Géog. Bot.
- Bull. Geol. Nat. Hist. Surv. Minn.** Bulletin: Geological and natural history survey, Minnesota (no. 1-70) St. Paul, 1885-94. Continued as Botanical series. Minneapolis, 1894-1916, as Minnesota plant studies (1908-13) and Minnesota studies in plant science (1923 →)
- Bull. Herb. Boissier.** Bulletin: L'Herbier Boissier. Genève, 1893-1908 // Merged with Bull. Soc. Bot. Genève.
- Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat.** Bulletin international: Académie des sciences mathématiques & naturelles. Krakow, 1901-09 // Polish title: Akademia umiejętności w Krakowie; Wydział matematyczno-przyrodniczy. For continuation see following entry.
- Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. ser. B. (Sci. Nat.).** Bulletin international: Académie des sciences de Cracovie; Classe des sciences mathématiques et naturelles, sér. B. (Sciences naturelles). Krakow, 1910 → Polish title: Akademia umiejętności w Krakowie; Wydział matematyczno-przyrodniczy . . . ser. B.
- Bull. Intern. Acad. Tchèque Sci.** Bulletin international: Académie tchèque des sciences. Prague, 1895 → Bohemian title: Česka akademie věd y umění v Praze. In 1890-1920 title reads: Česká akademie císaře Františka Josefa . . .

- Bull. Intern. Česká Akad.** See Bull. Intern. Acad. Tchèque Sci.
- Bull. Jard. Bot. Acad. Sci. U.R.S.S.** See under Bull. Jard. Bot. St. Pétersb.
- Bull. Jard. Bot. Bruxell.** Bulletin: Jardin botanique de l'état. Bruxelles, 1902 →
- Bull. Jard. Bot. Buitenz.** Bulletin: Jardin botanique de Buitenzorg. Sér. 2. Buitenzorg, 1911 → Preceded by Bulletin: Département de l'agriculture aux Indes Néerlandaises (1906-11).
- Bull. Jard. Bot. Pierre Grand.** Bulletin du Jardin (impérial) botanique de Pierre le Grand. Izvestiia Imperatorskago botanicheskogo sada Petra Velikago. Vols. 13-17. Petrograd, 1913-17. For earlier vols. see Bull. Jard. Bot. St. Pétersb. (vols. 1-12). For continuation see Bull. Jard. Bot. Rép. Russe (vols. 18-29).
- Bull. Jard. Bot. Rép. Russe.** Bulletin: Jardin botanique (principal) de la République russe. Izvestiia Glavnogo botanicheskogo sada R.S.F.S.R. (vols. 18-24). Petrograd, 1918 [1921]-25. For continuation see Bull. Jard. Bot. U.R.S.S.
- Bull. Jard. Bot. St. Pétersb.** Bulletin du Jardin impérial botanique de St. Pétersbourg. Izvestiia Imperatorskago S. Peterburgskago botanicheskogo sada (vols. 1-12). St. Pétersbourg, 1901-12. For continuation see Bull. Jard. Bot. Pierre Grand.
- Bull. Jard. Bot. U.R.S.S.** Bulletin: Jardin botanique principal de l'U.R.S.S. Izvestiia Glavnogo botanicheskogo sada S.S.S.R. (vols. 25-30). Leningrad, 1926-32. Title of vol. 30 reads: Bulletin: Jardin botanique de l'Académie des sciences de l'U.R.S.S. Izvestiia Botanicheskogo sada Akademii nauk S.S.S.R. For continuation see Sovetsk. Bot.
- Bull. Labor. Bot. Gén. Genève.** Bulletin: Laboratoire de botanique générale de l'Université de Genève. Geneva, 1896-99 //
- Bull. Minnesota Geol. Nat. Hist. Surv.** See Bull. Geol. Nat. Hist. Surv. Minn.
- Bull. Mus. Hist. Nat. Paris.** Bulletin: Muséum d'histoire naturelle, Paris. Paris, 1895 → From 1907 (vol. 13) title reads "Muséum national . . ."
- Bull. N. Carol. Agric. Exper. Sta.** Bulletin: North Carolina College of agricultural and mechanic arts; Agricultural Experiment Station, Raleigh, 1888 →
- Bull. New York Bot. Gard.** Bulletin: New York botanical garden. Lancaster, Pa., 1896-1932 //
- Bull. Orto Bot. Napoli.** Bulletino: Orto botanico della Regia università di Napoli. Napoli, 1899 →
- Bull. Phys.-math. Acad. Sci. St. Pétersb.** Bulletin de la classe physico-mathématique: Académie impériale des sciences de St. Pétersbourg. St. Pétersbourg & Leipzig, 1843-59. For continuation see Bull. Acad. Sci. St. Pétersb.
- Bull. St. Petersb. Forest-Inst.** See Izv. Leningr. Liesn. Inst.
- Bull. Sci. France Belg.** Bulletin scientifique de la France et de la Belgique. Lille & Paris, 1878 → Vols. 1-10 as Bulletin scientifique du département du Nord. . .
- Bull. Seric. Exp. Sta. Jap.** Bulletin: Imperial sericultural experiment station. Tokyo, 1916-30 //
- Bull. Soc. Agric. Sci. Arts Sarthe.** Bulletin: Société d'agriculture, sciences et arts de la Sarthe. Le Mans, 1842 → Preceded by Bulletin: Société (royale) d'agriculture, sciences et arts du Mans. Le Mans, 1833-41.
- Bull. Soc. Bot. Belg.** Bulletin: Société royale de botanique de Belgique. Bruxelles, 1862 → Of vols. 18-42 each vol. published in 2 parts: "Mémoires" and "Comptes rendus".
- Bull. Soc. Bot. Bulgar.** Bulletin: Société botanique de Bulgarie. Sofia, 1926 → Bulgarian title: Isvestiia: Bulgarsko botanicheskoto druzhestvo.
- Bull. Soc. Bot. France.** Bulletin: Société botanique de France. Paris, 1854 → Mémoires 1-30 issued as part of Bulletin for 1905-16 (nos. 1-29, no. 30 in 1921?).
- Bull. Soc. Bot. Genève.** Bulletin: Société botanique de Genève. Genève, 1879 →
- Bull. Soc. Bot. Ital.** Bulletino: Società botanica italiana. Firenze, 1892-1926 // In 1927 merged with Nuov. Giorn. Bot. Ital.
- Bull. Soc. Centr. Agric. Dép. Herault.** Bulletin: Société centrale d'agriculture du Département de l'Herault. Montpellier, 1807-1902 // ? Vols. 1-18 bear the title: Recueil des bulletins: Société . . .
- Bull. Soc. Centr. For. Belg.** Bulletin: Société centrale forestière de Belgique. Bruxelles, 1894 →
- Bull. Soc. Dauphin. Ech. Pl.** Bulletin: Société dauphinoise pour l'échange des plantes. Grenoble, 1874-92 //
- Bull. Soc. Dendr. France.** Bulletin: Société dendrologique de France. Paris, 1906 →
- Bull. Soc. Fribourg Sci. Nat.** Bulletin: Société fribourgeoise des sciences naturelles. Fribourg, 1880 →
- Bull. Soc. Hist. Nat. Afr. Nord.** Bulletin: Société d'histoire naturelle de l'Afrique du Nord. Algiers, 1909 →
- Bull. Soc. Hist. Nat. Autun.** Bulletin: Société d'histoire naturelle d'Autun. Autun, 1888 →
- Bull. Soc. Hist. Nat. Toulouse.** Bulletin: Société d'histoire naturelle de Toulouse. Paris, 1866 →
- Bull. Soc. Linn. Normandie.** Bulletin: Société linnéenne de Normandie. Caen, 1855 →
- Bull. Soc. Linn. Paris.** Bulletin mensuel: Société linnéenne de Paris. Paris, 1874-99 //
- Bull. Soc. Nat. Acclim. France.** Bulletin: Société nationale d'acclimatation de France. Paris, 1882 → Vols. 36-42 (1889-95) as Revue des sciences naturelles appliquées; Bulletin bimensuel de la Société . . . Preceded by Bulletin: Société (impériale) zoologique d'acclimatation. Paris, 1854-70 and Bulletin: Société d'acclimatation. Paris, 1871-81.
- Bull. Soc. Nat. Hort. France.** Bulletin: Société nationale d'horticulture de France, sér. 5 → Paris, 1928 → Called "Bulletin mensuel" on the cover p. of each number. For preceding series see: Jour. Soc. Nat. Hort. France.
- Bull. Soc. Nat. Moscou.** Bulletin: Société impériale des naturalistes de Moscou. Moscou, 1829 → In 1917 "impériale" is dropped from the title and a Russian title added: Biulleten Moskovskogo obshchestva ispytatelei prirody.
- Bull. Soc. Philom. Paris.** Bulletin: Société philomathique de Paris. Paris, 1791 → Sér. [2] (1807-13) as Nouveau bulletin des sciences. Sér. [3 & 4] (1814-33) as Bulletin des sciences. Sér. [5] (1836-63) as Extraits des procès-verbaux. Sér. 6 → (1864 →) as Bulletin.
- Bull. Soc. Sci. Phys. Nat. Toulouse.** Bulletin: Société des sciences physiques et naturelles. Toulouse, 1872-89 //
- Bull. Soc. Tosc.ortic.** Bulletino: (Reale) società toscana di orticultura. Firenze, 1876 →
- Bull. South. Calif. Acad. Sci.** Bulletin: Southern California Academy of sciences. Los Angeles, 1902-08 //



- Bull. Stat. Recherch. For. N. Afr. (Gouv. Gén. Algérie Serv. For.)** Bulletin de la Station de recherches forestières du Nord de l'Afrique. (Gouvernement général de l'Algérie; Service des forêts). Algiers, 19... →
- Bull. Torrey Bot. Club.** Bulletin: Torrey Botanical Club, New York, 1870 →
- Bull. U. S. Div. For.** Bulletin: United States; Department of Agriculture; Division of forestry. Washington, 1887 →
- Bull. U. S. Exp. Sta. S. Dakota.** Bulletin: United States experiment station South Dakota. Brookings, etc., 1887 → Title of vols. 1-15 reads Bulletin: Dakota agricultural college and experiment station; of vols. 16-48 Bulletin: South Dakota agricultural college ...
- Bull. U. S. Nat. Mus.** Bulletin: United States national museum, Washington, 1875 →
- Bull. Univ. Calif. Agric. Exp. Sta.** Bulletin: University of California: Agricultural experiment station. 1884 →
- Bull. Univ. For. Kyūshū.** Bulletin: University forest: Kyūshū imperial university. Fukuoka, 1932 → Japanese title: Enshurin hokoku; Kiūshū teikoku daigaku.
- Cactus Succ. Jour.** Cactus and succulent journal (Cactus and succulent society of America). Los Angeles, 1929 →
- Calcutta Jour. Nat. Hist.** Calcutta journal of natural history and miscellany of the arts and sciences in India. Calcutta, 1840-47 //
- Calif. Farmer Jour. Usef. Sci.** California farmer and journal of useful sciences. San Francisco, 1854-84 //
- Canad. Field-Nat.** Canadian field-naturalist (Ottawa field-naturalists' club). Ottawa, 1920 → For earlier series see Ottawa Nat.
- Carinthia.** Carinthia: Zeitschrift für Vaterlandskunde, Belehrung und Unterhaltung. (Geschichtsverein und Naturhistorisches Landesmuseum in Kärnten. Klagenfurt, 1811-90. Continued as: Carinthia II. Mitteilungen des Naturhistorischen Landesmuseums für Kärnten.
- Carnegie Inst. Washington Publ.** Carnegie institution of Washington; Publications. Washington, 1902 →
- Casket.** The Casket, with varying subtitle. Philadelphia, 1826-30. Continued as Atkinson's Casket (1831-39) and Graham's American monthly magazine (1841-58).
- Castanea:** Castanea: the journal of the Southern Appalachian botanical Club. Morgantown, W. Va., 1936 → Nos. 1-12 of 1936 and nos. 1-3 of 1937 issued as Journal of the Southern Appalachian botanical club.
- Čekoslovenská dendrologická společnost.** See Dendr. Ges. Prag.
- Charleston Mus. Quart.** Charleston museum: Quarterly. Charleston, S. C., 1923-32 // Preceded by Bulletin: Charleston museum (1902-22).
- China Jour. Sci. Arts.** China journal of science and arts. Shanghai, 1923-27. Continued as China journal (China society of science and arts), 1927 →
- Coll. Bot. (Barcelona).** Collectanea botanica: Instituto botánico de Barcelona. Barcelona, 1946 →
- Comm. Soc. Phys.-Med. Mosq.** Commentarii: Societas physico-medica mosquensis. Moscow, 1808-?
- Comm. Soc. Sci. Gotting.** Commentationes: Societas regia scientiarum gottingensis. Gottingae, 1779-1808. Preceded by: Commentarii and Novi Commentarii: Societas ... (1751-1778). Continued as Commentationes ... recentiores (1808-37) and Abhandlungen: Gesellschaft der Wissenschaften zu Göttingen (1838 →)
- Comp. Bot. Mag.** Companion to the botanical magazine (ed. J. W. Hooker). London, 1835-36 //
- Compt. Rend. Acad. Sci. Paris.** Comptes rendus hebdomadaires des séances: Académie des sciences. Paris, 1835 →
- Compt. Rend. Assoc. Franç. Avanc. Sci.** Compte rendu de la session ...: Association française pour l'avancement des sciences. Paris, 1872 →
- Compt. Rend. Congr. Nat. Soc. Franç. Géog.** Comptes rendus: Congrès national des Sociétés françaises de géographie. Paris, 1878 →
- Compt. Rend. Trav. Sér. Physiol. Lab. Carlsberg.** Comptes rendus des travaux; série physiologique: Laboratoire Carlsberg. Copenhagen, 1935 → Preceded by Meddelelser: Carlsberg laboratoriet. Vol. 1-20, 1876-1934 //
- Compt. Rend. Trav. Soc. Hallér.** Comptes rendus des travaux: Société hallérienne. Geneva, 1852-56 //
- Contrib. Arnold Arb.** Contributions from the Arnold Arboretum of Harvard University, Jamaica Plain, Mass., 1932-38. Continued as Sargentia, 1942 →
- Contrib. Biol. Lab. Sci. Soc. China Bot. Ser.** Contributions from the Biological laboratory: Science Society of China. Nanking, 1925 → With vol. 6 (1930) divided into Botanical series and Zoological series.
- Contrib. Bot. Lab. Univ. Pennsylv.** Contributions from the botanical laboratory: University of Pennsylvania. Philadelphia, 1892 → From 1935 (vol. 11) title reads: Contributions from the Botanical laboratory and the Morris arboretum of the University of Pennsylvania.
- Contrib. Dudley Herb. Stanford Univ.** Contributions from the Dudley herbarium: Stanford University. Stanford, Calif., 1927 →
- Contrib. Gray Herb.** Contributions from the Gray herbarium of Harvard University. Cambridge, Mass., 1891 → Nos. 1-75 called "new series" considered a continuation of "Contributions to American botany, nos. 1-18" consisting of a series of reprints from Proc. Am. Acad. Arts Sci. by S. Watson (1873-1888).
- Contrib. Inst. Bot. Univ. Montréal.** Contributions de l'Institut botanique: Université de Montréal, 1938 → For earlier vols. see Contrib. Lab. Bot. Univ. Montréal.
- Contrib. Lab. Bot. Univ. Montréal.** Contributions du Laboratoire de botanique: Université de Montréal. Montreal, 1922-1938. For continuation see preceding entry.
- Contrib. Shaw School Bot.** Contributions: Henry Shaw school of botany (no. 1-25): (Washington University) St. Louis, 1888-1906 // Reprinted from Trans. Acad. Sci. St. Louis.
- Contrib. U. S. Nat. Herb.** Contributions: United States National Herbarium. Washington, 1890 →
- Cornell Univ. Agric. Exp. Sta. Hort. Div. Bull.** Cornell University agricultural experiment station: Horticultural division bulletin. Ithaca, 189? →
- Danske Vidensk. Selsk. Overs. Forh.** Kongelige danske videnskabernes selskab; oversigt over ... Forhandlinger. Kjøbenhavn, 1806-1916. Continued as Meddelelser under different series.
- Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd.** Kongelige danske videnskabernes selskab; Skrifter Naturvidenskabelig og matematisk Afdeling. Kjøbenhavn, 1824-1938 //

- Darwiniana.** Darwiniana (Academia nacional de ciencias exactas, físicas y naturales; Instituto de botánica Darwinion). Buenos Aires, 1922 →
- Delect. Sem. Hort. Vratislav.** Delectus seminum: Hortus botanicus vratislaviensis. Breslau, 1818–1871.
- Dendr. Ges. Prag Ziergeh. Staud.** Dendrologische Gesellschaft in Prag; Ziergehölze und Stauden. Czechoslovakian title: Čekoslovenská dendrologická společnost. English title: Dendrological society of Czechoslovakia. Pruhonice, 1927 →
- Denkschr. Akad. Wiss. Münch.** Denkschriften: Königliche (bayerische) Akademie der Wissenschaften. München, 1809–25. For continuation see Abh. Math.-Phys. Cl. Akad. Wiss. Münch.
- Denkschr. Allg. Schweiz. Ges. Naturw.** Denkschriften: Allgemeine schweizerische Gesellschaft für die gesammten Naturwissenschaften. Neuchâtel & Zürich, 1829–33. Continued as Neue Denkschriften . . . 1837 → The latter has subtitle: Nouveaux mémoires: Société helvétique des sciences naturelles. From 1907 as Denkschriften: Schweizerische naturforschende Gesellschaft.
- Denkschr. Bayer. Bot. Ges. Regensb.** Denkschriften: Königlich bayerische botanische Gesellschaft in Regensburg. Regensburg, 1815 →
- Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien.** Denkschriften der mathematisch-naturwissenschaftlichen Klasse: Kaiserliche Akademie der Wissenschaften. Wien, 1850 → In 1918 Kaiserliche is dropped from the title.
- Deutsch. Bot. Monatsschr.** Deutsche botanische Monatschrift; Organ für Floristen, Systematiker . . . Sonderhausen etc. 1883–1912 // With vol. 7 the word "Zeitung" replaces "Organ".
- Deutsch. Garten-Zeit.** Deutsche Garten-Zeitung: Wochenschrift für Gärtner und Gartenfreunde. Berlin, 1886. In 1887 united with Gartenflora. For earlier vols. see Garten-Zeit. (Wittmack).
- Deutsch. Mag. Gart.-Blumenk.** Deutsches Magazin für Garten- und Blumenkunde (ed. W. Neubert). Stuttgart, 1848–81. For continuation see Ill. Monatsh. Gesammt. Gartenb.
- Diana.** Diana; oder Gesellschaftschrift zur Erweiterung und Berichtigung der Natur-, Forst- und Jagdkunde. Waltershausen etc., 1797–1818 //
- Dict. Class. Hist. Nat.** Dictionnaire classique d'histoire naturelle (ed. Bory de St.-Vincent et al.). 17 vols. Paris, 1822–31.
- Dict. Sci. Nat.** Dictionnaire des sciences naturelles. 60 vols.; Atlas 13 vols. Paris & Strasbourg, 1816–1830.
- Ecol. Monog.** Ecological monographs (Ecological society of America). Durham, N. C., 1931 →
- Edinb. Jour. Sci.** Edinburgh Journal of science. Edinburgh, 1824–32 // In 1832 combined with Philosophical magazine and continued as: London & Edinburgh philosophical magazine.
- Edinb. New Philos. Jour.** Edinburgh new philosophical journal. Edinburgh, 1826–64 // Vols. for 1826–33 (April) without vol. numbers. For earlier series see Edinb. Philos. Jour.
- Edinb. Philos. Jour.** Edinburgh philosophical journal; exhibiting a view of the progress of discovery in natural philosophy . . . Edinburgh, 1819–26. For continuation see preceding entry.
- Engl. Bot.** English botany by J. Sowerby & J. E. Smith, London, 1790–1814. — Supplements and later editions by W. J. Hooker, W. Borrer, J. W. Salter, J. T. B. Syme and others. London, 1831–1899.
- Entomol. News.** Entomological news (Proceedings of Entomological section of Academy of natural sciences of Philadelphia). Philadelphia, 1890 →
- Erdész. Lapok.** Erdészeti lapok. Selmecz, Budapest, 1862 → Title of vols. 1–4 reads Erdőszeti lapok; of vols. 5–6 Erdészeti es gazdasági lapok.
- Ertek. Köreb. Magyar Tudom. Akad.** Ertekezések a tarsadalmi tudományok köréből: Magyar tudományos akadémia. Budapest, 1867–1913 // ?
- Erythea.** Erythea; a journal of botany, West American and general (ed. W. L. Jepson). Berkeley, Calif., 1893–99 //
- Evkön. Magyar Orvos. Termés. Nagy.** Evkönyve: Magyar orvosok és Természetvizsgálók nagygyűlése. Budapest, 1840 →
- Festschr. 70. Geburtst. Ascherson.** Festschrift zur Feier des siebenzigsten Geburtstages des Herrn Paul Ascherson (4. Juni 1904). Herausgegeben von Ign. Urban und P. Graebner. Leipzig, 1904.
- Field Mus. Nat. Hist. Pub. Bot. Ser.** Field Columbian museum of natural history; Publications; Botanical series. Chicago, 1895 →
- Fl. & Sylva.** Flora & Sylva: a monthly review for lovers of garden, woodland, tree or flower (ed. by W. Robinson). London, 1903–05 //
- Fl. des Serr.** Flore des serres et des jardins de l'Europe; ou, Descriptions et figures des plantes plus rares . . . Gand, 1845–80 //
- Fl. Nebraska.** Flora of Nebraska (University of Nebraska; Botanical seminar). Only pt. 1, 2 and 21 published? Lincoln, Neb., 1894–95.
- Flora.** Flora: oder Allgemeine botanische Zeitung. Regensburg, Marburg & Jena, 1818 → Vols. 1–71 (1818–88) issued by Bayerische botanische Gesellschaft. Vols. for 1832–42 contain also "Beiblätter" separately paged.
- Floral Mag.** Floral magazine; comprising figures and descriptions of popular garden flowers (ed. T. Moore and others). London, 1861–81 //
- Floral World.** Floral world and garden guide (ed. S. Hibberd). London, 1858–80 //
- Florist Fruit.** Florist, fruitist and garden miscellany. London, 1851–61. Preceded by Florist (1848) and Florist and garden miscellany (1849–50). For continuation see Florist & Pomol.
- Florist & Pomol.** The florist and pomologist and suburban gardener; a pictorial (monthly) magazine . . . London, 1862–84 // Subtitle varies slightly.
- Florist's Exch.** The florist's exchange; a weekly medium of interchange for florists, nurserymen . . . New York, 1889 →
- Flow. Grower.** Flower grower. Albany, N. Y. 1914 →
- Forestry & Irrig.** See Am. For.
- Forstwiss. Centralbl.** Forstwissenschaftliches Centralblatt. Berlin, 1879 → Preceded by Monatschrift für das Forst- und Jagdwesen . . . Stuttgart, 1857–78. "Centralblatt" changed later to "Zentralblatt".
- Fromme's Oester.-Ungar. Gartenkal.** Fromme's österreichisch-ungarischer Gartenkalender. Wien, 1876–94. Continued as Allgemeiner österreichischer Gartenkalender; herausgegeben vom Allgemeinen österr. Gärtner-Verband. Wien, 1895 →

- Fysiogr. Sällsk. Handl.** Kungl. Fysiografiska Sällskapet: Handlingar, n. ser. (Lunds Universitets Årskrift, n. ser.). Lund, 1889 →
- Gard.** See Garden.
- Gard. & For.** Garden and forest; a journal of horticulture, landscape art and forestry (ed. C. S. Sargent). New York, 1888-97 //
- Gard. Chron.** Gardeners' chronicle; a weekly illustrated journal of horticulture and allied subjects. London, 1841 → Title of vols. for 1841-43 reads Gardeners' chronicle; for 1844-73 Gardeners' chronicle and agricultural gazette.
- Gard. Mag.** Gardener's magazine. London 1860-1916 //
- Gard. Mag. Bot. Hort.** Gardeners' magazine of botany, horticulture, floriculture and natural science (ed. Th. Moore & W. P. Ayres). London, 1850-51 //
- Gard. Mag. (Hibberd).** Gardener's magazine for amateur cultivators and exhibitors of plants, flowers and fruits . . . (ed. S. Hibberd). London, 1865 → Preceded by Floricultural cabinet and florist's magazine (ed. J. Harrison). London, 1833-59. Continued as Gardener's weekly magazine and floricultural cabinet (ed. S. Hibberd) London, 1860-65.
- Gard. Mag. (Loudon).** Gardener's magazine and register of rural and domestic improvement (ed. J. C. Loudon). London, 1826-43 //
- Gard. Mag. New York.** The garden magazine. New York, 1905-24. Continued as Garden magazine and home builder (1924-28) and as American home (1928 →).
- Gard. Monthly (Meehan).** Gardener's monthly and horticultural advertiser; devoted to horticulture, arboriculture, botany and rural affairs (ed. T. Meehan). Philadelphia, 1859-75. Continued as Gardener's monthly and horticulturist . . . (ed. T. Meehan). Philadelphia, 1876-88 //
- Garden.** Garden; an illustrated weekly journal of gardening in all its branches. London, 1872-1927 // After 1927 merged into Homes and Gardens (1919 →).
- Gardening.** Gardening (ed. W. Falconer). Chicago, 1892-1925 //
- Gardening Ill.** Gardening illustrated, for town and country. London, 1879 →
- Gardening World.** Gardening world illustrated; a weekly paper exclusively devoted to all branches of practical gardening. London, 1884-1909 // Merged into Garden life (1901-28).
- Gartenfl.** Gartenflora: Monatschrift für deutsche und schweizerische Garten- und Blumenkunde (ed. E. Regel and others). Erlangen, Stuttgart, Berlin, 1852 → Subtitle varies: Allgemeine Monatschrift für deutsche . . . (1857-85); Zeitschrift für Garten- und Blumenkunde . . . (1886 →). Preceded by Schweizerische Zeitschrift für Gartenbau (1843-51).
- Gartenkunst.** Gartenkunst; Zeitschrift für die Gesamtinteressen der Gartenkunst und Gartentechnik (Deutsche Gesellschaft für Gartenkunst). Frankfurt a. M., 1899 →
- Garten-Nachr.** Garten-Nachrichten (ed. K. Koch & F. A. Fintelmann). Berlin, 1858-63. Published as an appendix to Wochenschr. Ver. Beförd. Gartenb. Preuss.
- Gartenschönh.** Gartenschönheit; eine Zeitschrift mit Bildern für Garten- und Blumenfreund . . . Berlin, 1920 →
- Gartenwelt.** Gartenwelt; Illustriertes Wochenblatt für den gesamten Gartenbau. Berlin, 1897-1933. The parts of vol. 1 issued as: Hesdörffers Monatshefte. Continued as "Blumen- und Pflanzenbau" vereinigt mit "Die Gartenwelt." 1934 →
- Gartenzeit.** (Oester. Gartenbauges.) Gartenzeitung (Oesterreichische Gartenbaugesellschaft). Wien, 1925-38 // Preceded by Zeitschrift für Garten- & Obstbau (1920-24).
- Garten-Zeit.** (Wittmack). Garten-Zeitung; Monatschrift für Gärtner und Gartenfreunde. Berlin, 1882-85. For continuation see Deutsch. Garten-Zeit.
- Gemeinnütz. Blätt. Ofn. Pesth.** [Not seen.]
- Gent. Herb.** Gentes herbarum: Occasional papers on the kinds of plants (ed. L. H. Bailey). Ithaca, 1920 →
- Giorn. Istit. Lombard. Sci. Lett.** Giornale . . . e Biblioteca italiana: (Imperiale reale) Istituto lombardo di scienze, lettere ed arti. Milano, 1841-56 // For earlier series see Bibl. Ital. (Milano).
- Hamburg. Gart.- & Blumenzeit.** Hamburger Garten- und Blumenzeitung; eine Zeitschrift für Garten- und Blumenfreunde . . . Hamburg, 1852-90 // For preceding series see Allg. Deutsch. Gart.- & Blumenzeit.
- Handelsbl. Deutsch. Gartenb.** Handelsblatt für den deutschen Gartenbau und die mit ihm verwandten Zweige. Rixdorf-Berlin, 1886 →
- Hannöv. Mag.** Hannöversches Magazin, worin kleine Abhandlungen, Gedanken, Nachrichten . . . aufbewahrt sind. Hannover, 1763-91. Continued as: Neues Hannöversches Magazin.
- Hesperian.** Hesperian or Western monthly magazine. Columbus, Ohio, 1838-39 //
- Hist. Comm. Acad. Elect. Theodoro-Palat.** Historia et commentationes: Academia electoralis scientiarum et elegantiorum literarum Theodoro-palatina. Mannheim, 1766-94 //
- Hist. Mém. Acad. Sci. Toulouse.** Histoire et mémoires: Académie royale (impériale) des sciences, inscriptions et belles-lettres de Toulouse. Toulouse, 1782-1843. For continuation see Mém. Acad. Sci. Toulouse.
- Hist. Mém. Math. Phys. Acad. Sci. Paris.** Histoire avec les mémoires de mathématique et physique . . . Académie royale des sciences. Paris, 1702-1794. For continuation see Mém. Cl. Sci. Math. Phys. Inst. Nat. France (Acad. Sci. Paris).
- Hooker's Icon. Pl.** Icones plantarum: or, Figures with brief descriptive characters and remarks of new and rare plants (ed. W. J. Hooker). London, 1837-54. Continued as Hooker's Icones plantarum; or Figures . . . (ed. J. D. Hooker & others), London, 1867 →
- Hookers Jour. Bot. Kew Gard. Misc.** Hooker's journal of botany and Kew garden miscellany. London, 1849-57 // For preceding series see Lond. Jour. Bot.
- Hortic. Belg.** Horticulteur belge; journal des jardiniers et amateurs. Bruxelles, 1833-38 //
- Hortic. Franç.** L'Horticulteur français; journal des amateurs et des intérêts horticolas (ed. F. Hérincq). Paris, 1851-72 //
- Hortic. Univ.** Horticulteur universel; journal des amateurs et des intérêts horticolas (ed. C. Lemaire). Paris, 1839-47 //
- Horticulture.** Horticulture: an illustrated journal (Massachusetts horticultural society . . .). Boston, 1905 →
- Horticulturist.** Horticulturist and journal of rural art and taste. Albany, 1846-75 // United in 1876 with Gard. Monthly (Meehan).

- Ill. Farmer & Gard. Alman.** Illustrated farmer and garden almanack. [Not seen.]
- Ill. Hort.** L'illustration horticole: journal spécial des serres et des jardins . . . (ed. Ch. Lemaire & others). Gand & Bruxelles, 1854-1896. With varying subtitles. Continued as *Semaine horticole et revue des culture coloniale* (ed. Em. Rodigas, L. Linden & others). 1896-1900 //
- Ill. Monatsh. Gartenb.** Illustrierte Monatshefte für die Gesamt-Interessen des Gartenbaues (ed. M. Kolb & J. E. Weise). Stuttgart etc., 1882-99. Also called Dr. Neubert's *Deutsches Garten-Magazin*. For preceding series see *Deutsch. Mag. Gart. Blumenk.*
- Ind. Forester.** Indian forester: a monthly magazine of forestry, agriculture, shikar and travel. Calcutta, Dehra Dun, etc. 1876 →
- Ind. Sem. Hort. Berol.** Index seminum: Hortus botanicus berolinensis. Berlin, 1813-
- Ind. Sem. Hort. Divion.** Index seminum: Hortus botanicus divionensis. Dijon, 1837-
- Ind. Sem. Hort. Dorpat.** Index seminum: Hortus academicus s. botanicus Universitatis dorpatensis (ed. C. F. Ledebour, A. Bunge & others). Dorpat, 1820 →
- Ind. Sem. Hort. Francofurt.** Index seminum: Hortus botanicus francofurtensis. Frankfurt a. M., 1832 →
- Ind. Sem. Hort. Hamburg.** Index seminum: Hortus botanicus hamburgensis. (Title varies: *Semina* . . . collecta, 1820-29; *Delectus seminum*, 1830-1851). Hamburg, 1820 →
- Ind. Sem. Hort. Petrop.** Index seminum quae Hortus botanicus imperialis . . . offert; accedunt animadversiones nonnullae (ed. F. E. L. von Fischer & C. A. Meyer (1835-46), E. A. Regel (1855-70)). St. Petersburg, 1855-70). Issues after 1870 without botanical notes and descriptions.
- Index Kew.** Index kewensis; an enumeration of the genera and species of the flowering plants. With Supplementum 1-10 (1902-1947). (ed. B. D. Jackson & others). Oxford, 1893 →
- Index Lect. Lyc. Hosian.** Index lectionum: Lyceum regium hosianum brunnsbergense. Braunsberg, 1818-1940?
- Index Lond.** Index londonensis to illustrations of flowering plants, ferns and fern allies. (O. Stapf & others). Vol. 1-6 (1929-31) with Suppl. (2 vols. 1941) Oxford, 1929 →
- Inform. Agric. (Gouv. Gén. Algérie Div. Agric.) Bull.** Informations agricoles; Bulletin (Gouvernement général de l'Algérie; Direction de l'agriculture; Service botanique.) Only nos. 17-22 seen. Algiers 1898-1901.
- Intern. Congr. Vererbungswiss.** See *Zeitschr. Indukt. Abst.- & Vererb.*
- Introd. Obs. Phys. Hist. Nat. [Jour. de Phys.]** Introduction aux observations sur la physique, sur l'histoire naturelle et sur les arts (ed. Fr. Rozier). Paris, 1771-3?; ed. 2 (1777). Continued as *Observations sur la physique, sur l'histoire naturelle et sur les arts*. Paris, 1773-93. For continuation of the last series see: *Jour. de Phys. Chim. Hist. Nat.* (1794-1823).
- Isis Encycl. Zeit.** Isis oder Encyclopädische Zeitung von Oken. Jena & Leipzig, 1817-48 //
- Izv. Kavkazsk. Obshch. Liubit. Estestv.** Izvestiia: Kavkazskoe obshchestvo Liubiteli Estestvoznaniia. [Bulletin: Caucasian society of lovers of natural science]. Tiflis, 1879-80 //
- Izv. Leningrad. Liesn. Inst.** Izvestiia: Leningradskii Liesnoi Institut [Publications of the Forestry institute. Leningrad.] Leningrad, 1898 → Vols. 1-9 (1898-1903) as *Izvestiia S. Peterburgskago liesnago instituta* [Bulletin: St. Petersburg Forest-Institute]. In vols. 10-30 (1903-16) "Petergskago" is replaced by "Imperatorskago"; in vol. 31 (1917) by "Petrogradskago" and in vol. 32 (1925) by "Leningradskago". Vols. 18-26 (1908-13) bear the additional title "Mitteilungen des Kaiserlichen Forstinstitutes in St. Petersburg", changed in vol. 32 (1925) to "Mitteilungen des Leningrader Forstinstitutes".
- Izv. S. Peterb. Liesn. Inst.** See *Izv. Leningrad. Liesn. Inst.*
- Jaarb. Nederl. Dendr. Vereen.** Jaarboek: Nederlandsche dendrologische vereeniging. Wageningen, 1925 →
- Jaarb. Nederl. Maatsch. Aanmoed. Tuinb.** Jaarboek: Koninklijke nederlandse maatschappij tot aanmoediging van den tuinbouw. Leyden, 1844-67 // French title: *Annales: Société d'horticulture des Pays-Bas*.
- Jahr. Bot. Gart. Mus. Berlin.** Jahrbuch: (Königlicher) botanischer Garten und botanisches Museum zu Berlin (ed. A. W. Eichler & others). Berlin, 1881-89 //
- Jahr. Gewächsk.** Jahrbücher der Gewächskunde (ed. K. Sprengel, A. H. Schrader & H. F. Link). Vol. 1. Only vol. 1 issued; in 3 parts paged separately. Berlin [1818-] 1820 //
- Jahr. Wiss. Bot.** Jahrbücher für wissenschaftliche Botanik (ed. N. Pringsheim & others). Berlin & Leipzig, 1858 →
- Jahresber. Naturf. Ges. Graubünd.** Jahresbericht: Naturforschende Gesellschaft Graubündens. Chur, 1825 → Vols. 1-2 (1825-28) as Bericht: Naturforschende Kantonalgesellschaft, Graubünden.
- Jahresber. Schles. Ges. Vaterl. Kult. (Zool.-Bot. Sekt.)** Jahresbericht: Schlesische Gesellschaft für vaterländische Kultur (Zoologisch-botanische Sektion). Breslau, 1850 → Beginning with vol. 68 (1891) the "Zoologisch-botanische Sektion" is separately paged. For preceding series see *Uebers. Arbeit. Schles. Ges.* . . . (1824-49).
- Jahresber. Schwed. Akad. Wiss. Fortschr. Bot.** Jahresberichte . . . über die Fortschritte der Botanik . . . Königl. schwedische Akademie der Wissenschaften, 1820-42. (Translated by C. T. Beilschmied.) Breslau & Regensburg, 1821-47.
- Jahresber. Westfäl. Provinz.-Ver. Wiss. Kunst.** Jahresbericht: Westfälischer Provinzial-Verein für Wissenschaft und Kunst. Münster, 1873 →
- Jahr.-Kat. Bot. Tauschver. Wien.** [Not seen.]
- Jap. Jour. Bot.** Japanese journal of botany (National research council of Japan). Tokyo, 1922 →
- Jardin.** Jardin: journal bi-mensuel d'horticulture générale. Argenteuil & Paris, 1887-1921 // After 1921 merged with *Rev. Hort.*
- Jardin Fleur.** Le Jardin fleuriste: journal général des progrès et des intérêts horticoles et botaniques . . . Gand, 1851-54 //
- Jour. Acad. Nat. Sci. Philad.** Journal: Academy of natural sciences of Philadelphia. Philadelphia, 1817 →
- Jour. Agric. Hort. India.** Journal: Agricultural and horticultural society of India. Calcutta, 1842-91 //
- Jour. Agric. Méd. Evreux.** Journal d'agriculture, de médecine et des sciences accessoires (Société d'agriculture, sciences et arts du département de l'Eure). Evreux, 1824-29 //

- Jour. Agric. Prat. Belg.** Journal d'agriculture pratique d'économie rurale . . . de Belgique. Liège & Bruxelles, 1848-1858 //
- Jour. Agric. Research.** Journal of agricultural research (U. S. Department of agriculture). Washington, D. C., 1913 →
- Jour. Arnold Arb.** Journal: Arnold Arboretum, Harvard University. Cambridge & Jamaica Plain, Mass. 1919 →
- Jour. As. Soc. Nat. Hist. Bengal.** See Jour. Nat. Hist. As. Soc. Bengal.
- Jour. As. Soc. N. China Branch.** Journal: Royal asiatic society, North China branch. Shanghai, 1858 → Vol. 1, no. 1 is called Journal: Shanghai literary and scientific society.
- Jour. Asiatique.** Journal asiatique; ou, Recueil de mémoires, d'extraits et de notices . . . Paris, 1822 → Ser. [2] (1828-35) has title: Nouveau journal asiatique . . .
- Jour. Boston Soc. Nat. Hist.** Journal: Boston society of natural history. Boston, 1837-63 //
- Jour. Bot.** Journal of botany British and foreign. London, 1863 →
- Jour. Bot. Acad. Sci. Ukraine.** Journal Bot. de l'Académie des sciences de la R. S. S. Ukraine. Russian title: Botanicheskii zhurnal: Akademiia nauk U. S. S. R.; Institut botaniki. Kiev, 1940 →
- Jour. Bot. Fac. Sci. Tokyo.** Journal pt. III. Botany: Faculty of Science: Imperial University of Tokyo. Tokyo, 1925 →
- Jour. Bot. (Hooker).** Journal of botany; being a second series of the Botanical miscellany . . . (ed. W. J. Hooker). London, 1834-42. For preceding series see Bot. Miscell. For continuation see London Jour. Bot.
- Jour. Bot. Néerl.** Journal de botanique néerlandaise. Amsterdam, 1861 //
- Jour. Bot. U.R.S.S.** Journal botanique de l'U.R.S.S. Leningrad, 1916 → Russian title: Botanicheskii zhurnal S.S.S.R. Vol. 1-16 (1916-31) as Journal de la Société botanique de Russie. Russian title: "Zhurnal Botanicheskago obshchestva" and later "Zhurnal Russkago botanicheskago obshchestva". Preceded by Journal russe de botanique (Ruskii botanicheskii zhurnal).
- Jour. Cincinnati Soc. Nat. Hist.** Journal: Cincinnati society of natural history. Cincinnati, 1878-1917 //
- Jour. Coll. Sci. Tokyo.** Journal: College of science: Imperial university of Tokyo, Japan. Tokyo, 1887-1925. Title of vols. 1-8 reads Journal: College of science; Imperial university of Japan. Preceded by Memoirs of the Department of science; University of Tokyo. Continued as: Journal of the Faculty of science; Sect. 3. Botany; Imperial University of Tokyo (1925 →).
- Jour. de Bot.** Journal de botanique (ed. L. Morot). Paris, 1887-1913 //
- Jour. de Bot. (Desvaux).** Journal de botanique appliqué à l'agriculture, à la pharmacie, à la médecine et aux arts (ed. N. A. Desvaux). Paris, 1813-16 // For earlier series see Jour. de Bot. (Soc. Bot.).—See also Merrill in Jour. Arnold Arb. 28: 247 (1947).
- Jour. de Bot. (Soc. Bot.).** Journal de botanique: redigé par une société des botanistes. Paris, 1808-9. For continuation see Jour. de Bot. (Desvaux).
- Jour. de Phys. Chim. Hist. Nat.** Journal de physique, de chimie de l'histoire naturelle. Paris, 1794-1823. Preceded by Introductions aux observations et mémoires sur la physique et sur l'histoire naturelle. Paris, 1773-93 //
- Jour. Dept. Agric. Kyushu Univ.** Journal of the Department of agriculture; Kyushu imperial university. Fukuoko, Japan, 1923 →
- Jour. des Ros.** Journal des roses (Rosa inter flores): publication mensuelle speciale. Melun & Paris, 1877-1914 //
- Jour. Elisha Mitchell Sci. Soc.** Journal: Elisha Mitchell scientific society. Raleigh & Chapel Hill (N. C.), 1884 →
- Jour. Fac. Sci. Bot. Tokyo.** See Jour. Bot. Fac. Sci. Tokyo.
- Jour. For. (Soc. Am. For.).** Journal of forestry (Society of American foresters). Washington, 1917 → Preceded by Forestry quarterly (1902-1916) and Proceedings of the Society of American foresters (1905-1916).
- Jour. For. Lond.** Journal of forestry and estates management; a monthly illustrated magazine devoted to . . . arboriculture . . . London, 1877-83. Continued as Forestry; a magazine for the country. London & Edinburgh, 1883-86 //
- Jour. für Bot. (Schrader).** Journal für die Botanik (ed. H. A. Schrader). Göttingen, 1799-1803. For continuation see Neu. Jour. für Bot. (Schrader).
- Jour. Heredity.** Journal of heredity (American genetic association). Washington, 1910 →
- Jour. Hist. Nat. Paris.** Journal d'histoire naturelle. Paris, 1792 // Has also title: Choix des mémoires sur divers objets d'histoire naturelle . . .
- Jour. Hort.** Journal of horticulture; cottage gardener and country gentleman. London, 1861-1915 // Subtitle varies. Preceded by Cottage gardener; or, amateur and cottager's guide to outdoor gardening . . . (1849-61).
- Jour. Hort. Prat. Belg.** Journal d'horticulture pratique de la Belgique; ou, Guide des amateurs et jardiniers. Bruxelles, 1849-61 // Preceded by Journal d'horticulture pratique; ou, Guide . . . (1844-48).
- Jour. Hort. Soc. Lond.** Journal: Horticultural society of London. London, 1846 → Beginning with 1866 title reads Royal horticultural society of London.
- Jour. Inst. Bot. Acad. Sci. Ukraine.** Journal: Institut botanique de l'Académie des sciences d'Ukraine. Kiev, 1931-39. Ukrainian title: Zhurnal Institutu botaniki VUAN (Vseukrainskaia akademiia nauk). French title of fasc. 1-8 reads Journal du Cycle botanique de l'Académie . . . Preceded by Ukrainskii botanichnii zhurnal: Ukrainskaia akademiia nauk (Akademiia nauk U.R.S.R. Kiev) (1922-29). For continuation see: Jour. Bot. Acad. Sci. Ukraine.
- Jour. Jap. Bot.** Journal of Japanese botany (ed. T. Makino & others). Tokyo, 1916 →
- Jour. Kew Guild.** Journal of the Kew guild. London, 1893 →
- Jour. Linn. Soc. Lond. Bot.** Journal: Linnaean society of London; Botany. London, 1857 → Vols. 1-7 have title: Journal of the proceedings; Botany . . .
- Jour. Nat. Hist. As. Soc. Bengal.** Journal, pt. 2. Natural history: Asiatic society of Bengal. Calcutta, 1865-1915 //
- Jour. N. China Branch Roy. As. Soc.** Journal: Royal Asiatic society, North China branch. Shanghai, 1858 → Vol. 1, no. 1 called: Journal: Shanghai literary and scientific society.

- Jour. New York Bot. Gard.** Journal: New York botanical garden. Lancaster, Pa., 1900 →
- Jour. New Zeal. Inst. Hort.** Journal: Royal New Zealand institute of horticulture. Wellington, 1929 → 1929-38 as New Zealand institute of horticulture. Preceded by Report: New Zealand . . . (1923-28).
- Jour. Phys. Chim. Hist. Nat.** Journal de physique, de chimie, d'histoire naturelle et des arts. Paris, 1773-1823 // Vol. 1-43 (1773-93) as Observations et mémoires sur la physique, sur l'histoire naturelle . . .
- Jour. Roy. Hort. Soc. Lond.** See Jour. Hort. Soc. Lond.
- Jour. Sci. Arts.** Journal of science and the arts: Royal institution of Great Britain. London, 1816-19. Continued as Quarterly journal of science, literature and the arts. London, 1819-30 //
- Jour. Soc. Agron. Prat.** Journal auquel s'est réuni le journal des jardins: Société d'agronomie pratique. Paris, 1829-30. Continued as: Annales des jardiniers amateurs, publiées par la Société d'agronomie pratique. Paris, 1831-43 //
- Jour. Soc. Bot. Russ.** See under Jour. Bot. U.R.S.S.
- Jour. Soc. Imp. Centr. Hort. Paris.** Journal: Société impériale et centrale d'horticulture. Paris, 1855-66. For continuation see Jour. Soc. Nat. Hort. France.
- Jour. Soc. Nat. Hort. France.** Journal: Société nationale d'horticulture de France, sér. 2-4. Paris, 1867-1927. For continuation see Bull. Soc. Nat. Hort. France.
- Jour. South Appalach. Bot. Club.** See Castanea.
- Jour. Vulgaris. Hort.** Journal de vulgarisation de l'horticulture (ed. L. Vauvel). Paris, 1877-95 // ?
- Jour. Washington Acad. Sci.** Journal: Washington academy of sciences. Baltimore, 1911 → For earlier series see Proc. Washington Acad. Sci.
- Just's Bot. Jahresber.** Just's botanischer Jahresbericht; systematisch geordnetes Repertorium der botanischen Literatur aller Länder. Berlin & Leipzig, 1874 → Vols. 1-10 (1874-85) have the title: Botanischer Jahresbericht . . . (ed. L. Just).
- Kert.** A Kert [The Garden]. (ed. O. Mauthner). Budapest, 1894 →
- Kertesz. Lapok.** Kertészeti lapok (Országos magyar kertészeti egyesület). Budapest, 1885-1933 //
- Kew Bull.** Kew Bulletin of miscellaneous information (ed. Royal botanic gardens, Kew). London, 1887 →
- Kew Hand-list Conif.** Royal gardens, Kew; Hand-list of Coniferae (M. T. Masters). London, 1896. — Ed. 2 [M. T. Masters]. London, 1903. — Ed. 3. Hand-list of Coniferae, Cycadaceae & Gnetaceae. London, 1925. — Ed. 4 (ed. M. L. Green & W. Dallimore). London, 1938.
- Kew Hand-list Trees Shrubs.** Royal gardens, Kew; Hand-list of trees and shrubs grown in arboretum [G. Nicholson] 2 vols. London, 1894-96. — Ed. 2 [G. Nicholson]. London, 1902. — Ed. 3 [W. J. Bean]. London, 1925. — Ed. 4 [W. J. Bean]. London, 1934.
- Kosmos (Kopernika).** Kosmos: Czasopismo polskiego towarzystwa "Kopernika". Lwow, 1875-1927 //
- Leaflet. West. Bot.** Leaflets of western botany. San Francisco, 1932 →
- Lens.** The lens; a quarterly journal of microscopy and the allied natural sciences (State microscopical society of Illinois). Chicago, 1872-73 //
- Liesn. Zhurn. S. Petersb. Liesn. Obshch.** Liesnoi zhurnal: S. Peterburgskoe liesnoe obshchestvo. St. Petersburg, 1871-1916 // ?
- Lilloa.** Lilloa, revista de botanica. Tucumán, 1937 →
- Lingnan Sci. Jour.** Lingnan science journal. Canton, 1922 →
- Lingnan Univ. Sci. Bull.** Lingnan university science bulletin. Canton, 1930 → Nos. 1 and 2 published as Science Bulletin.
- Linnaea.** Linnaea: ein Journal für die Botanik in ihrem ganzen Umfang; oder, Beiträge zur Pflanzenkunde. Berlin & Halle, 1826-82 // Subtitle varies.
- Loddiges Bot. Cab.** Botanical cabinet, consisting of coloured delineations of plants from all countries. By Conrad Loddiges & Sons, London, 1818-35 //
- London Jour. Bot.** London journal of botany (ed. W. J. Hooker). London, 1842-48. For preceding series see Jour. Bot. (Hooker). For continuation see Hooker's Jour. Bot.
- Lotos Zeitschr. Naturwiss.** Lotos; Zeitschrift für Naturwissenschaften; herausgegeben vom Naturwissenschaftlichen Verein "Lotos" in Prag. Prag, 1851-75. Continued as Jahresbericht des Naturhistorischen Vereines Lotos. 1876-78. Continued as Lotos; Jahrbuch für Naturwissenschaft. 1879-95. Continued as Sitzungsberichte: Deutscher naturwissenschaftlich-medizinischer Verein für Böhmen "Lotos" in Prag. 1896-1906 //
- Lustgard.** Lustgården; årsskrift: Föreningen för dendrologi och parkvård. Landskrona, Stockholm, 1920 →
- Lyon Hortic.** Lyon horticole; revue bi-mensuelle d'horticulture (Association horticole lyonnaise). Lyons, 1879-1921 // Continued as Lyon-horticole et Horticulture nouvelle, 1922-37 //
- Madroño.** Madroño; journal of the California botanical society. Berkeley, Calif. 1916 →
- Mag. Bot. Gard.** Magazine of botany & gardening British & foreign. London, 1833-37 //
- Mag. für Bot. (Römer & Usteri).** Magazin für die Botanik (ed. J. J. Römer & P. Usteri). (Vols. 1-4) Zürich, 1787-90. Has also title-page "Botanisches Magazin". Continued by Römer as Neues Magazin für die Botanik (1794); for continuation by Usteri see Ann. der Bot. (Usteri).
- Mag. Ges. Naturf. Fr. Berlin.** Magazin: Gesellschaft naturforschender Freunde. Berlin, 1807-18. For earlier series see Neue Schrift Ges. Naturf. Fr. Berlin (1794-1803). Continued as Verhandlungen (1819-29), Mitteilungen (1836-39) and Sitzungsberichte (1860 →).
- Mag. Hort. Bot. (Hovey).** Magazine of horticulture and botany and all useful discoveries . . . (ed. C. M. Hovey). Boston & New York, 1835-68 // Vols. 1 & 2 have title: American gardener's magazine and register.
- Mag. Pharm.** Magazin für Pharmacie (ed. P. L. Geiger & others). Heidelberg, 1823/31 // Vols. 1-6 (1823-24) as Magazin für die neusten Erfahrungen . . . im Gebiete der Pharmacie.
- Mag. Zool. Bot.** Magazine of zoology and botany. Ed. by Sir W. Jardine, T. J. Selby & Dr. Johnston. Edinburgh, 1837-38 // For continuation see: Ann. Mag. Nat. Hist.
- Magazz. Toscan.** Magazzino toscano. Florence, 1770-77 //
- Magyar Bot. Lapok.** Magyar botanikai lapok. Budapest, 1902-34 // German title: Ungarische botanische Bätter.
- Magyar Növ. Lapok.** Magyar növénytani lapok. Kolozsvár, 1877-90 //
- Magyar Tudom. Akad. Ertek. Termesz. Köréb.** Magyar tudományos akadémia; matematikai és természettudo-



- mányi osztály; Ertekezések a természettudományok köréből. Budapest, 1867-1913 //
- Malpighia.** Malpighia; rassegna mensile di botanica. Messina & Genova, 1887 →
- Matem. Természett. Közlem.** Matematikai és természettudományi közlemények, vonatkozólag a hazai viszonyokra (Magyar tudományos akadémia). Budapest, 1861 →
- Math. Naturwiss. Ber. Ungarn.** Mathematische und naturwissenschaftliche Berichte aus Ungarn. Berlin & Budapest, 1882-1932 //
- Mazama.** Mazama; a record of mountaineering in the Pacific Northwest. Portland, Ore., 1896 →
- Med. Repos. New York.** Medical repository (ed. S. Mitchell & others). New York, 1797-1824 // Subtitle varies.
- Meddel. Göteborg Bot. Trädg.** Meddelanden: Göteborgs botaniska trädgård. Göteborg (Gothenburg), 1924 → Latin title: Acta Horti gothoburgensis.
- Meddel. Grönland.** Meddelelser om Grönland (Commission for Ledelsen af de geologiske og geografiske Undersøgelser i Grönland. Kjøbenhavn, 1897 →
- Meddel. Soc. Fauna Fl. Fenn.** Meddelanden: Societas pro fauna et flora fennica. Helsingfors, 1873-1924. Continued as Memorandum: Societas . . . (1924 →)
- Meded. Rijks Herb. Leyd.** Mededelingen: Rijks herbarium (Rijks universiteit) Leiden, 1911-1933. Continued as Blumea (1934 →)
- Meded. Rijks Hoog. Land- & Boschbouwsch.** Mededeelingen: Rijks hoogere land-, tuin-, en boschbouwschool (pt. 1-13). Wageningen, 1908-17. For continuation see Meded. Rijks landbouwhooges. Wageningen.
- Meded. Rijks Landbouwhooges. Mededeelingen:** Rijks landbouwhoogeschool en van de daaraan verbonden instituten (Part 14 →). Wageningen, 1918 →
- Mél. Biol. (Acad. Sci. St. Pétersb.)** Mélanges biologiques tirés du Bulletin: Académie des sciences de St. Pétersbourg. St. Pétersburg, 1853-94 //
- Mél. Philos. Math. Soc. Roy. Turin.** Mélanges de philosophie et de mathématique (Miscellanea taurinensia): Société royale de Turin. Torino, 1761-76. Continued as Mémoires: Académie royale des sciences de Turin (1784-1816). Continued as Memorie: Reale accademia delle scienze di Torino (1818 →). Preceded by Miscellanea philosophico-mathematica: Societas privata taurinensis (1759).
- Mem. Acad. Ci. Art Barcelona.** Memorias: Real Academia de ciencias y artes Barcelona. Barcelona, 1885 →
- Mem. Acad. Ci. Lisboa Cl. Sci. Math. Phys. Nat.** Memorias classe de ciencias mathematicas, physicas e naturales: Academia (real) das ciencias de Lisboa. Lisboa, 1854-1914 //
- Mem. Acad. Ci. Lisboa Cl. Sci. Pol. Mor. Bell-Lett.** Memorias classe de ciencias moraes, políticos e bellas lettras (segunda classe): Academia (real) das ciencias de Lisboa. Lisboa, 1854 → ?
- Mem. Acad. Ci. Madrid.** Memorias: Real academia de ciencias de Madrid. Madrid, 1859-1929. Vols. 5-17 (1857-97) as (Real) academia de ciencias exactas, físicas y naturales de Madrid. After 1929 issued in 2 series: Ciencias exactas and Ciencias naturales.
- Mem. Acad. Med. Madrid.** Memorias: Real academia medica de Madrid. Madrid, 1797-1889 // ? Title varies: Academia nacional de medicina; Academia de medicina; Real academia de medicina.
- Mém. Acad. Sci. Belg.** Mémoires: Académie royale des sciences, des lettres et de beaux-arts de Belgique. Bruxelles, 1772-1904 // Title of earlier vols. reads "Académie . . . de Bruxelles. Vols. 1-19 (1789-1845) as Nouveaux mémoires.
- Mém. Acad. Sci. Montpell.** Mémoires de la section des sciences: Académie des sciences et lettres de Montpellier. Montpellier, 1847-1912 //
- Mém. Acad. Sci. Paris.** Mémoires: Académie des sciences, Paris, 1816 → For earlier series see Mém. Cl. Sci. Math. Phys. Inst. Nat. France.
- Mém. (1790) Acad. Sci. Paris.** Mémoires tirés des registres (1790): Académie des sciences, Paris, 1797.
- Mém. Acad. Sci. St. Pétersb.** Mémoires: Académie impériale des sciences de St. Pétersbourg. St. Pétersbourg, 1803-30. For continuation see Mém. Sci. Math. Phys. Acad. Sci. St. Pétersbourg and Mém. Sci. Nat. Acad. Sci. St. Pétersb.
- Mém. Acad. Sci. Toulouse.** Mémoires: Académie royale (impériale) des sciences, inscriptions et belles-lettres de Toulouse. Toulouse, 1842 → For earlier series see Hist. Mém. Acad. Sci. Toulouse.
- Mém. Acad. Sci. Turin.** Mémoires: Académie royale des sciences (de Turin). Turin, 1786-1816. For continuation see Mem. Accad. Sci. Torino.
- Mem. Accad. Sci. Bologna.** Memorie: Accademia delle scienze del istituto de Bologna. Bologna, 1850-1907. Continued as Memorie: Classe di scienze fisiche (1907 →). Preceded by Novi Commentarii: Accademia scientiarum bononiensis. 1834-49.
- Mem. Accad. Sci. Torino.** Memorie: Reale accademia delle scienze di Torino. Torino, 1818 → For earlier series see Mém. Acad. Sci. Turin.
- Mem. Am. Acad. Arts Sci.** Memoirs: American Academy of arts and sciences. Boston & Cambridge, 1780 →
- Mem. Boston Soc. Nat. Hist.** Memoirs: Boston society of natural history. Boston, 1862 → For earlier series see Boston Jour. Nat. Hist.
- Mem. Cl. Sci. Math. Phys. Inst. Nat. France.** Mémoires de la classe des sciences mathématiques et physiques: Institut national (imperial, royal) de France. Paris, 1806-15. For continuation see Mém. Acad. Sci. Paris.
- Mém. Cl. Sci. Phys.-Math. Acad. Sci. Ukraine.** Mémoires de la Classe des sciences physiques et mathématiques: Académie des sciences, Ukraine. Kief, 1923-30. Russian title: Trudy fizichno-matematichnovo viddil: Vseukrainska akademiia nauk. Continued as Mémoires de la Classe des sciences naturelles et techniques . . . Russian title: Prirodno-tekhnichii viddil . . . (1930-31) //
- Mém. Concern. Hist. Nat. Emp. Chine.** Mémoires concernant l'histoire naturelle de l'Empire chinois (Pères de la compagnie de Jésus). Shanghai, 1882-1920 //
- Mém. Concern. Hist. Sci. Arts Chinois.** Mémoires concernant l'histoire, les sciences, les arts . . . des Chinois, par les missionnaires de Pékin (ed. Charles Batteux). Vols. 1-16. Paris, 1776-1814 //
- Mém. Congr. Scientif. France.** Mémoires: Congrès scientifique de France. Rouen, etc. 1833-1876 //
- Mém. Dept. Bot. Columbia Univ.** Memoirs of the Department of botany: Columbia university. New York, 1895-98 //
- Mém. Div. Sav. Acad. Sci. St. Pétersb.** Mémoires présentés . . . par divers savans: Académie impériale des

- sciences de St. Pétersbourg. St. Petersburg, 1831-59 // Has also title: Mémoires des savants étrangers.
- Mem. Fac. Sci. Agric. Taihoku Univ.** Memoirs of the Faculty of Science and agriculture: Taihoku imperial university. Taihoku, 1930 → Issued in various series.
- Mém. Inst. Nat. Sci. France.** Mémoires: Institut national des sciences et arts de France. Paris, 1798-1806. For continuation see Mém. Cl. Sci. Math. Phys. Inst. Nat. France.
- Mém. Istit. Venet. Sci.** Memorie: Imperiale reale istituto veneto di scienze, lettere ed arti. Venezia, 1843 →
- Mém. Mat.-Fis. Soc. Ital. Sci.** Memorie di matematica e di fisica: Società italiana delle scienze. Verona, Modena, Rome, etc. 1782-1938 // ? Title varies. Also known as Società delle XL [dei quaranta].
- Mém. Mus. Hist. Nat. Paris.** Mémoires: Muséum d'histoire naturelle. Paris, 1815-32 //
- Mem. Nat. Acad. Sci.** Memoirs: National academy of sciences. Washington, 1866 →
- Mem. New York Bot. Gard.** Memoirs: New York botanical garden. New York, 1900-27 //
- Mem. Pontif. Accad. Nuov. Lincei.** Memorie: Pontificia accademia dei nuovi lincei. Roma, 1887-1935. Continued as Commentationes: Pontificia accademia delle scienze (1937 →)
- Mém. Sci. Math. Phys. Acad. Sci. St. Pétersb.** Mémoires: sciences mathématiques et physiques, sér. 6-7: Académie des sciences de St. Pétersbourg. St. Petersburg, 1831-1897. Vols. 1-2 (1831-33) bear the title Mémoires; sciences mathématiques, physiques et naturelles. See Mém. Sci. Math. Phys. Nat. Acad. Sci. St. Pétersb. For continuation see Mém. Sci. Nat. Acad. Sci. St. Pétersb. (1835-59) and Mém. Sci. Phys. Math. Acad. Sci. St. Pétersb. (1897 →)
- Mém. Sci. Math. Phys. Nat. Acad. Sci. St. Pétersb.** Mémoires; sciences mathématiques, physiques et naturelles: Académie des sciences de St. Pétersbourg. St. Petersburg, 1831-33. For continuation see Mém. Sci. Nat. Acad. Sci. St. Pétersb.
- Mém. Sci. Nat. Acad. Sci. St. Pétersb.** Mémoires, sciences naturelles, sér. 6 (pt. 2): Académie des sciences de St. Pétersbourg. St. Petersburg, 1835-59.
- Mém. Sci. Phys. Math. Acad. Sci. St. Pétersb.** Mémoires: Classe des sciences physiques et mathématiques, sér. 8: Académie des sciences de St. Pétersbourg. St. Petersburg, 1895 → For preceding series see Mém. Sci. Math. Phys. Acad. Sci. St. Pétersb.
- Mem. Sci. Soc. China.** Memoirs: Science society of China, 1924-32 //
- Mém. Soc. Agric. Maine-et-Loire.** Mémoires: Société académique de Maine-et-Loire, Angers, 1857-83. Continued as Mémoires: Académie des sciences et belles-lettres d'Angers, 1890-97 //
- Mém. Soc. Agric. Dép. Seine.** Mémoires: Société royale (nationale, impériale) et centrale d'agriculture du département de la Seine. Paris, 1761-1852. Title varies. Before 1801 title reads: "Société royale d'agriculture de Paris". For continuation see Mém. Soc. Agric. France.
- Mém. Soc. Agric. France.** Mémoires: Société nationale (royale, impériale) d'agriculture de France. Paris, 1853-1915. Continued as Travaux et notices: Académie d'agriculture de France (1918-25 // ?). For earlier series see Mém. Soc. Agric. Dép. Seine.
- Mém. Soc. Agric. Paris.** See Mém. Soc. Agric. Dép. Seine.
- Mém. Soc. Agric. Sci. Arts Angers.** Mémoires: Société (nationale, impériale) d'agriculture, sciences et arts d'Angers. Angers, 1831 →
- Mém. Soc. Agric. Sci. Orléans.** Mémoires: Société (nationale, impériale) d'agriculture, sciences, belles lettres et arts d'Orléans. Orléans, 1810 → Title varies.
- Mém. Soc. Bot. France.** See Bull. Soc. Bot. France.
- Mém. Soc. Hist. Litt. Sci. Cher.** Mémoires: Société historique, littéraire et scientifique de Cher. Bourges, 1857 →
- Mém. Soc. Linn. Paris.** Mémoires: Société Linnéenne de Paris (vols. 1-6). Paris, 1822-28 //. Vols. 2-5 each in 3 separately paged parts "Histoire, Mémoires, Bulletin Linnéen. Vol. 6 has also title "Annales".
- Mém. Soc. Phys. Hist. Nat. Genève.** Mémoires: Société de physique et d'histoire naturelle de Genève. Genève, 1821 →
- Mém. Soc. Sci. Hainaut.** Mémoires: Société des sciences, des arts et des lettres du Hainaut. Mons, 1839-1924 //
- Mém. Soc. Sci. Nat. Math. Cherbourg.** Mémoires: Société nationale des sciences naturelles et mathématiques de Cherbourg, 1852 → Mémoires 1852-54 as Société des sciences naturelles de . . . , 1855-1870 as Société impériale des sciences . . . and 1871 → as Société nationale . . .
- Mém. Soc. Émul. Doubs.** Mémoires: Société d'émulation du Doubs. Besançon, 1841 →
- Mem. Torrey Bot. Club.** Memoirs: Torrey botanical club, New York, 1889 →
- Mem. Werner. Nat. Hist. Soc.** Memoirs: Wernerian natural history society. Edinburgh, 1811-39 //
- Mercurio Chil.** Mercurio chileno. Santiago, 1828-29 //
- Mining & Sci. Press.** Mining and scientific press. San Francisco, 1860-1922 // Title varies.
- Miscellanea taurinensia.** See Mém. Philos. Math. Soc. Roy. Turin.
- Missouri Bot. Gard. Bull.** Missouri botanical garden bulletin. St. Louis, Mo., 1913 →
- Mitt. Deutsch. Dendr. Ges.** Mitteilungen: Deutsche dendrologische Gesellschaft. Bonn-Poppelsdorf etc., 1893 → Nos. for 1892-1910 reprinted and issued as "Zweite Auflage" in 2 vols. (not cited in this work). Before 1930 (no. 42) the volume number does not appear on the t.-p.
- Mitt. Naturw. Ver. Univ. Wien.** Mitteilungen: Naturwissenschaftlicher Verein an der Universität Wien. Wien, 1882-1914 //
- Mitt. Thüring. Bot. Ver.** Mitteilungen: Thüringischer botanischer Verein. Weimar, 1891 →
- Möller's Deutsch. Gärt.-Zeit.** Möller's deutsche Gärtner-Zeitung. Erfurt, 1886 → Continuation of Deutsche Gärtner-Zeitung (1877-85).
- Monatsber. Akad. Wiss. Berlin.** Monatsberichte: Königliche (preussische) Akademie der Wissenschaften zu Berlin, 1856-81. Preceded by: Berichte über . . . Verhandlungen. 1836-55. Continued as Sitzungsberichte. 1882 →
- Monatsschr. Kakteenk.** Monatsschrift für Kakteenkunde. Berlin & Neudamm, 1891-1922. Continued as Zeitschrift für Sukkulantenkunde (1923-28); continued as Kakteenkunde (Deutsche Kakteengesellschaft) 1929 →
- Monatsschr. Ver. Beförd. Gartenb. Preuss.** Monatschrift: Verein zur Beförderung des Gartenbaues in den königlich preussischen Staaten. Berlin, 1873-81. For



- preceding series see *Wochenschr. Ver. Beförd. Gartenb. Preuss.* For continuation see *Garten-Zeit.* (Wittmack).
- Monde des Pl.** *Monde des plantes*; revue mensuelle de botanique; organe de l'Académie internationale de géographie botanique. Le Mans, 1892-99. For continuation see *Bull. Acad. Intern. Géog. Bot.*
- Moniteur Jard. Bot. Tiflis.** See *Viest. Tiflis. Bot. Sad.*
- Montana Coll. Agric. Sci. Stud. Bot.** Montana College of agriculture and mechanic arts; Science studies; botany. Bozeman, 1904-05 //
- Muhlenbergia.** *Muhlenbergia*; a journal of botany. Los Gatos, Calif.; Reno, Nev. 1900-16 //
- Munkál. Magyar Orvos. Termesz. Nagyg.** *Munkálatai: Magyar orvosok és természetvizsgálók nagygyűlése.* Budapest, 1841-1886 //
- N. Am. Fl.** North American flora: New York botanical garden. 25 vols., most only partly issued. [New York], 1905 →
- Nat. Hist. Rev.** Natural history review; including proceedings of the Irish natural history societies. Dublin & London, 1854-60. Continued as *Natural history review*; a quarterly journal of biological science. London & Edinburgh, 1861-65 //
- Nat. Hort. Mag.** National horticultural magazine. Henning, Minn. 1922 →
- Nat. Nurseryman.** National nurseryman. Rochester, N. Y.; Hatboro, Pa., 1893-1939 // Merged in 1939 with *Am. Nurseryman*.
- Nat. Pflanzenfam.** *Die Natürlichen Pflanzenfamilien nebst ihren Gattungen und wichtigeren Arten* (A. Engler & K. Prantl & others). Leipzig, 1887-1909. — *Nachträge*, 1897-1915. — Ed. 2 (ed. A. Engler & others) Leipzig, 1924-1940 → ?
- Naturalista Sicil.** *Il naturalista siciliano*; giornale di scienze naturali. Palermo, 1881-1930 //
- Naturaliste Canad.** *Naturaliste canadien*; bulletin des recherches . . . se rapportant à l'histoire naturelle du Canada. Quebec, 1868 →
- Nature.** *Nature*; a weekly illustrated journal of science. London & New York, 1869 →
- Naturh. For. Kjøbenh. Vid. Meddel.** See *Vidensk. Meddel. Naturh. For. Kjøbenh.*
- Naturh. Tidsskr.** *Naturhistorisk tidsskrift.* Kjøbenhavn, 1837-84 //
- Naturschätze Heimat.** *Naturschätze der Heimat*; biologische Darstellung nutzbarer oder schädlicher Pflanzen und Tiere Deutschlands. Freiburg i. Br., 1920-22 //
- Natuur- & Geneesk. Arch. Neerl. Ind.** *Natuur- en geneeskundig archief voor Neerland's Indië.* Batavia, 1844-47 //
- Natuurk. Tijdschr. Ned. Ind.** *Natuurkundig tijdschrift voor Nederlandsch-Indië* (Natuurkundige Vereeniging in Nederlandsch Indië). Batavia, *Weltvreden.* 1850 → After 1940 as *Natuurwetenschappelijk tijdschrift.*
- Nederl. Dendr. Vereen. Jaarb.** See *Jaarb. Nederl. Dendr. Vereen.*
- Nederl. Fl. Pomona.** *Nederlandsche flora en pomona*: Pomologische vereeniging, Boskoop. Groningen, 1876.
- Nederl. Kruidk. Arch.** *Nederlandsch kruidkundig archief.* Leiden, Nijmegen, 1846 → From 1870 subtitle reads: *Verslagen en mededeelingen der Nederlandsche botanische vereeniging.*
- Nederl. Tuinbouwbl.** *Nederlandsche Tuinbouwblad* (Nederlandsche maatschappij for tuinbouw en plantkunde), vols. 1-18. Groningen, Apeldoorn, 1886-1902 // ?
- Neu. Jour. für Bot. (Schrader).** *Neues Journal für die Botanik* (ed. H. A. Schrader). Erfurt & Göttingen, 1805-10 // For preceding series see *Jour. für Bot.* (Schrader.).
- Neue Allgem. Deutsch. Gart- & Blumenzeit.** See *Allg. Deutsch. Gart- & Blumenzeit.*
- Neue Nord. Beytr.** *Neue nordische Beyträge zur physikalischen und geographischen Erd- und Völkerbeschreibung, Naturgeschichte und Oekonomie* (ed. P. S. Pallas). St. Petersburg, 1781-96 // Vols. 5-7 bear additional title *Neuste nordische Beyträge.*
- Neue Schrift. Ges. Naturf. Fr. Berlin.** *Neue Schriften: Gesellschaft naturforschender Freunde zu Berlin.* Berlin, 1792-1805. For earlier series see *Schrift. Ges. Naturf. Fr. Berlin.* — For continuation see *Mag. Ges. Naturf. Fr. Berlin.*
- Neue Schrift. Naturf. Ges. Halle.** *Neue Schriften: Naturforschende Gesellschaft zu Halle.* Halle, 1809-17. For continuation see *Abh. Naturf. Ges. Halle.*
- New Engl. Jour. Med.** *New England journal of medicine.* Boston, 1828 →
- New Fl. & Silva.** *New flora and silva* (ed. E. H. M. Cox). London, 1928 →
- New Orleans Med. & Surg. Jour.** *New Orleans medical and surgical journal.* New Orleans, 1844 → Vols. 22-23 as *New Orleans journal of medicine.*
- New Phytol.** *The new phytologist*; a British botanical journal. London, 1902 →
- New York Jour. Pharm.** *New York journal of pharmacy* (Columbia university; College of pharmacy). New York, 1924-33 //
- New York State Mus. Bull.** *New York state museum bulletin.* Albany, 1887 → Has also title: *New York state museum of natural history.*
- New York State Mus. Rep.** *New York State Museum (Annual Report.)* New York, 1847-1918 //
- Norsk Havetid.** *Norsk havetidende*; udgivet af Selskabet havedyrkningens venner. Christiania, 1885-1939. Continued as *Norsk hagetidend* (Norsk hageselskap). Oslo, 1940 →
- Notes Bot. Gard. Edinb.** *Notes: Royal botanic garden Edinburgh.* Edinburgh, Glasgow, etc., 1900 →
- Notizbl. Bot. Gart. Mus. Berlin.** *Notizblatt. Königl. botanischer Garten und botanisches Museum.* Berlin, 1895 → After 1918 the word "Königlicher" is omitted.
- Notul. Syst. Herb. Hort. Bot. Petrop.** *Notulae systematicae ex herbario Horti botanici petropolitani* (vols. 1-6). Leningrad, 1919-26 // Vol. 5 (no. 2-12) has title: *Notulae systematicae ex herbario Horti botanici Reipublicae rossicae.* Vol. 6 (1926) has title: *Notulae systematicae ex herbario Horti botanici U.S.S.R.*
- Notul. Syst. Herb. Hort. Bot. Reip. Ross.** See under *Notul. Syst. Herb. Hort. Bot. Petrop.*
- Notul. Syst. Herb. Hort. Bot. U.S.S.R.** See under *Notul. Syst. Herb. Hort. Bot. Petrop.*
- Notul. Syst. Mus. Hist. Nat. Paris.** *Notulae systematicae* (ed. H. Lecomte): *Muséum d'histoire naturelle de Paris.* Paris, 1909-28 //
- Nouv. Arch. Mus. Hist. Nat. Paris.** *Nouvelles archives: Muséum d'histoire naturelle.* Paris, 1865-1914. For

- earlier series (1839-61) and for continuation see Arch. Mus. Hist. Nat. Paris (1926 →).
- Nouv. Bull. Soc. Philom. Paris.** See under Bull. Soc. Philom. Paris.
- Nouv. Cours Compl. Agric.** Nouveau cours complet d'agriculture théorique et pratique . . . ou Dictionnaire raisonné et universel d'agriculture. Ouvrage rédigé sur le plan de celui de feu l'abbé Rozier. 13 vols. Paris, 1809. — Nouv. éd. 16 vols. Paris, 1821-23.
- Nouv. Mém. Soc. Nat. Moscou.** Nouveaux mémoires: Société impériale des naturalistes de Moscou. Moscou, 1829 →. Preceded by Mémoires . . . 1806-23.
- Nov. Act. Acad. Leop.-Carol.** See Verh. Leop.-Carol. Akad. Naturf.
- Nov. Act. Acad. Sci. Petrop.** Nova acta: Academia scientiarum imperialis petropolitana. Petropolis, 1787-1806. For earlier series see Act. Acad. Sci. Petrop. For continuation see Mém. Acad. Sci. St. Pétersb.
- Nov. Act. Reg. Soc. Sci. Upsal.** Nova acta: Regia societas scientiarum upsaliensis. Upsaliae, 1773-1850. Preceded by Acta . . . 1744-50. Continued as Acta . . . (ser. 3) 1855 →
- Nov. Comment. Acad. Sci. Petrop.** Novi commentarii: Academia imperialis scientiarum petropolitana. Petropoli, 1750-76. Preceded by: Commentarii . . . 1728-51. For continuation see Act. Acad. Sci. Petrop.
- Növ. Közl.** Növénytani Közlemények; Kir. Magyar természettudományi társulat növénytani szakosztályának folyóirata. Budapest, 1902-1908. For continuation see Bot. Közl.
- Nuov. Giorn. Bot. Ital.** Nuovo giornale botanico italiano (Società botanica italiana). Firenze & Pisa, 1869 →
- Nytt Mag. Naturvid.** Nytt (Nyt) magazin for naturvidenskaberne; udgives af den Physiographiske forening i Christiania. Christiania (Oslo), 1838 →
- Oester. Bot. Wochenbl.** Oesterreichisches botanisches Wochenblatt; gemeinnütziges Organ für Botanik . . . Wien, 1851-57. For continuation see Oesterr. Bot. Zeitschr.
- Oester. Bot. Zeitschr.** Oesterreichische botanische Zeitschrift; gemeinnütziges Organ für Botanik . . . Wien, 1858 →. For preceding vols. see Oester. Bot. Wochenbl. Vol. 92 and 93 (1943-44) published as Wiener Botanische Zeitschrift.
- Oester. Monatsschr. Forstwes.** See Oester. Vierteljahrsschr. Forstwes.
- Oester. Vierteljahrsschr. Forstwes.** Oesterreichische Vierteljahrsschrift. für Forstwesen. Wien, 1851-1938 // From 1865-1882 title reads: Oesterreichische Monatschrift für Forstwesen.
- Öfv. Förh. Svenska Vetensk.-akad.** Öfversigt af förhandlingar: Kongl. svenska vetenskaps-akademien. Stockholm. 1845-1921 //
- Ohio Nat.** The Ohio naturalist (Biological club of the Ohio State university). Columbus, Ohio, 1900 →
- Ontario Nat. Sci. Bull.** Ontario natural science bulletin: journal of the Wellington field naturalists' club. Guelph, Ont., 1905-1913 //
- Oregon Committee** see A. Murray, Bot. Exped. Oregon.
- Ottawa Nat.** Ottawa naturalist (Ottawa field-naturalists' club) Ottawa, 1887-1919. For continuation see Canad. Field-nat.
- Pacific Science Congress.** See Proc. Fifth Pacific Sci. Congr.
- Papers Michigan Acad. Sci.** Papers: Michigan academy of science, arts and letters. New York, 1921 →
- Papers Proc. Roy. Soc. Tasman.** Papers and proceedings: Royal society of Tasmania. Hobart Town, 1859 → Vols. 1-3 (1849-55) published as: Papers and proceedings: Royal society of Van Diemen's Land.
- Patriotiska Sällsk.** Jour. Kongl. svenska patriotiska sällskapets handlingar. ? Stockholm, 1770-82. Also as Hushållnings-journal (1776-89) and Ny journal uti hushållningen.
- Paxton's Flow. Gard.** Paxton's flower garden (ed. J. Lindley & J. Paxton). London, 1850-53. For continuation see Paxton's Mag. Bot.
- Paxton's Mag. Bot.** Paxton's magazine of botany and register of flowering plants. London, 1834-49 //
- Pennsylv. Agric. State Coll. Rep.** Pennsylvania agricultural state college: Report. Harrisburg, 1887 →
- Penny Cycl.** The Penny cyclopaedia of the Society for the diffusion of useful knowledge. Ed. by George Long. 27 vols. London, [1833] — 43.
- Pflanzenareale.** Pflanzenareale; Sammlung kartographischer Darstellung von Verbreitungsbezirken . . . Pflanzen. Ed. by S. Hannig & H. Winkler. Jena, 1926 →
- Philipp. Jour. Sci.** Philippine journal of science. Manila, 1906 → Vols. 2-13 (1907-18) divided into sections; see Philipp. Jour. Sci. Bot.; combined again in 1919.
- Philipp. Jour. Sci. Bot.** Philippine journal of science; sect. C. Botany. Manila, 1907-18. Beginning with 1919, the sections are combined.
- Philos. Mag.** Philosophical magazine. London, 1798-1832. Continued as London and Edinburgh (and Dublin) philosophical magazine; 1832 →
- Philos. Trans. Roy. Soc. Lond.** Philosophical transactions: Royal Society of London, 1665 → Vols. 1-65 (1665-1776) issued as Transactions, giving some account of the present undertakings . . .
- Phytograph. Blätt.** (G. F. Hoffmann). Phytographische Blätter (ed. G. F. Hoffmann). Göttingen, 1803 //
- Phytologia.** Phytologia; designed to expedite botanical publication. New York, 1933 →
- Phytologist.** The phytologist; a popular botanical miscellany (ed. G. Luxford & E. Newman) London, 1841-56 // For continuation see Phytologist (Irvine).
- Phytologist (Irvine).** The phytologist; a botanical journal (ed. A. Irvine) London, 1855-63 // For earlier series see preceding entry.
- Pittonia.** Pittonia; a series of papers relating to botany and botanists (ed. E. L. Greene). Berkeley, Calif., Washington, D. C. 1887-1905 //
- Plant World.** The plant world; a monthly journal of popular botany. Binghamton, N. Y., Washington, D. C., etc., 1897-1919 // Continued as Ecology (Ecological society of America) (1920 →).
- Preslia.** Preslia; věstník československé botanické společnosti. Prague, 1914 →
- Proc. Acad. Nat. Sci. Philad.** Proceedings: Academy of natural sciences of Philadelphia. Philadelphia, 1843 →
- Proc. Am. Acad. Arts Sci.** Proceedings: American academy of arts and sciences. Boston, 1848 →. Vols. 9-31 also as n. ser. 1-23.
- Proc. Am. Philos. Soc.** Proceedings: American philosophical society. Philadelphia, 1838 →
- Proc. Biol. Soc. Washington.** Proceedings: Biological society of Washington. Washington, 1880 →

- Proc. Calif. Acad. Sci.** Proceedings: California academy of sciences. San Francisco, 1854 → Vols. 1-3 have title: California academy of natural sciences. See also *Proc. Calif. Acad. Sci. (Bot.)*.
- Proc. Calif. Acad. Sci. (Bot.)**. Proceedings: California academy of sciences; ser. 3. Botany. San Francisco, 1897-1904 //
- Proc. Davenport Acad. Nat. Sci.** Proceedings: Davenport academy of natural sciences. Davenport, Iowa, 1867-1914 // 1903-14 as Proceedings: Davenport academy of sciences. After 1926 as Davenport public museum.
- Proc. Fifth Pacif. Sci. Congr.** Proceedings Fifth Pacific Science Congress, Canada, 1933, vol. 4. Toronto, 1934.
- Proc. Hort. Soc. Lond.** Proceedings: Royal horticultural society of London. London, 1838-65 // Before 1861 as Horticultural society of London.
- Proc. Manchester Lit. Philos. Soc.** Proceedings: Literary and philosophical society of Manchester. Manchester, 1857-87. After 1887, published with the *Memoirs*.
- Proc. Ohio Acad. Sci.** Proceedings: Ohio academy of sciences. Columbus, 1892-1930 // Continued in Ohio journal of science.
- Proc. Oklahoma Acad. Sci.** Proceedings: Oklahoma academy of science. 1910 → On cover as University of Oklahoma bulletin.
- Proc. Rochester Acad. Sci.** Proceedings: Rochester academy of science. Rochester, N. Y., 1889 →
- Proc. Roy. Irish Acad.** Proceedings, sect. 2: Royal Irish academy. Dublin, 1836 → After 1870, divided into 3 sections; see Science section 2 (Botany).
- Proc. Roy. Soc. Edinb.** Proceedings: Royal society of Edinburgh. Edinburgh, 1832 →
- Proc. Sixth Intern. Bot. Congress.** Proceedings: Sixth international botanical Congress, Amsterdam. Leiden, 1936.
- Proc. Soc. Am. For.** Proceedings: Society of American foresters. Washington, D. C., 1905-16 // Continued as *Journal of forestry*.
- Proc. Soc. Prom. Agric. Sci.** Proceedings; Society for the promotion of agricultural science. Syracuse, N. Y., etc. 1880-1920 //
- Proc. Washington Acad. Sci.** Proceedings: Washington academy of sciences. Washington, D. C., 1899-1911. For continuation see *Jour. Washington Acad. Sci.*
- Publ. Bur. Gov. Lab. Philipp. Isl.** Publications: Bureau of government laboratories; Philippine Islands. Manila, 1901-05 //
- Publ. Field Mus. Nat. Hist. Bot. Ser.** Publications: Field museum of natural history; Botany department (Botany leaflet). Chicago, 1922 → Title of institution from 1894-1908 reads *Field Columbian museum*.
- Rad Jugoslav. Akad. Znan. Umjet.** Rad: Jugoslavenska akademija znanosti umjetnosti. Zagreb, 1867 →
- Rancho Santa Ana Bot. Gard. Monog. Bot. Ser.** Rancho Santa Ana botanic garden; Monographs; Botanical series. 1938 →
- Rec. Bot. Surv. India.** Records: Botanical survey of India. Calcutta, 1893 →
- Rec. Trav. Bot. Néerl.** Recueil des travaux botaniques néerlandais (*Société botanique néerlandaise*). Nimègue, 1904 →. Dutch title of the society: *Nederlandsche botanische vereeniging*.
- Ref. Bot.** *Refugium botanicum*; or, Figures and descriptions from living specimens . . . of plants. London, 1869-73 //
- Règl. Intern. Nomencl. Bot. Congrès**, 1905. Règles internationales de nomenclature botanique (*Congrès international de botanique de Vienne*, 1905). Jena, (1906). — Ed. 2. (*Congrès Intern. Bot. de Bruxelles*, 1910). Jena, 1912. — Ed. 3. *Intern. Rul. Bot. Nomencl.* (International rules of botanical nomenclature: International botanical congress of Cambridge 1930). Jena, 1935. — For "Special Ed." see *Brittonia*, **6**, 1: 1-120 (1947).
- Rep. Austral. Assoc. Adv. Sci.** Reports . . . of meetings: Australasian association for the advancement of science. Sydney, 1889 → After 1926 as Australian and New Zealand association for the Advancement of science.
- Rep. Bot. Exch. Club Brit. Isl.** Reports: Botanical exchange club of the British Isles. London, 1862 → 1862-65 as Thirsk natural history society; 1866-68 as London botanical exchange club; 1910-13 as Botanical exchange club and society of the British Isles.
- Rep. Domin. Horticulturist Canada Dept. Agric.** Report of the dominion horticulturist: Dominion of Canada; Department of Agriculture; Division of horticulture. (Only no. 26 → seen) Ottawa, 1913 →
- Rep. Inst. Sci. Res. Manchoukuo.** Report: Institute of scientific research of Manchoukuo. Hainching, Manchoukuo, 1936 →
- Rep. Michigan Acad. Sci.** Report: Michigan academy of science. Lansing, 1900 → After 1920 as Michigan academy of science, arts and letters.
- Rep. New York St. Exp. Sta.** Annual report: New York state agricultural experiment station. Albany, 1882 →
- Rep. U. S. Commiss. Agric.** Report: United States; Commissioner of Agriculture. Washington, D. C., 1863-88. For continuation see *Rep. U. S. Sec. Agric.*
- Rep. U. S. Commiss. Patents Agric.** Report: United States; Commissioner of patents; Pt. 2 Agriculture. Washington, D. C., 1859-61. For later reports see: *Rep. U. S. Commiss. Agric.* and after 1888 see *Rep. U. S. Sec. Agric.*
- Rep. U. S. Sec. Agric.** Report: United States; Secretary of agriculture. Washington, D. C. 1889 →
- Repert. Méd.-farm. Havana.** Repertorio médico-farmacéutico y de ciencias auxiliares. Habana, 1890-96 //
- Repert. Sp. Nov. Reg. Veg.** Repertorium novarum specierum regni vegetabilis; Centralblatt für Sammlung und Veröffentlichung von Einzeldiagnosen neuer Pflanzen (ed. F. Fedde) Berlin, 1906 →
- Repert. Sp. Nov. Veg. Beih.** Repertorium specierum novarum regni vegetabilis; Beihefte. Berlin, →
- Rev. Bot. Appl.** Revue de botanique appliquée et d'agriculture coloniale; bulletin du laboratoire d'agronomie coloniale. Paris. 1921 → After 1928 as *Revue . . . d'agriculture tropicale*. Preceded by *Journal d'agriculture tropicale* (1901-19).
- Rev. Bot. Bull. Mens. Soc. Franç. Bot.** Revue de botanique; bulletin mensuel: Société française de botanique, 1882-95 //
- Rev. Bot. (Duchartre).** Revue botanique; revue mensuel renfermant l'analyse de travaux publiés en France et à l'étranger sur la botanique . . . (ed. P. Duchartre). Paris, 1845-47 //
- Rev. de Bot.** See *Rev. Bot. Bull. Mens. Soc. Franç. Bot.*
- Rev. de Vitic.** Revue de viticulture; organe de l'agriculture des régions viticoles . . . Paris, 1893 →

- Rev. Gén. Bot.** Revue générale de botanique. Paris, 1889 →
- Rev. Hort.** Revue horticole: journal d'horticulture pratique. Paris, 1829 → Subtitle varies. Vols. after 1846 up to 1900 cited by year of publication.
- Rev. Hort. Belg.** Revue de l'horticulture belge et étrangère. Gand, 1875–1914 //
- Rev. Sci.** Revue scientifique de la France et de l'étranger. Paris, 1863 → From 1863–70 as Revue des cours scientifiques de la France et de l'étranger; 1884 → as Revue scientifique.
- Revista Acad. Colomb. Ci. Exact. Fis. Nat.** Revista: Academia colombiana de ciencias exactas, físicas y naturales. Bogota, 1936 →
- Revista Agron. La Plata.** La Plata — Universidad nacional: Facultad de agronomía; Revista. La Plata, 1895 →
- Revista Sudam. Bot.** Revista sudamericana de botánica; (Association sudamericana de botánica). Montevideo, 1934 →
- Rhein. Mag. Erweit. Naturk.** Rheinisches Magazin zur Erweiterung der Naturkunde. Giessen, 1793 //
- Rhodod. Immergr. Laubgeh.** Rhododendren und immergrüne Laubgehölze: Deutsche Rhododendron Gesellschaft; Jahrbuch. 1938 → ?
- Rhodod. Soc. Notes.** Rhododendron society notes. Ipswich, 1916 →
- Rhodora.** Rhodora: a journal of the New England botanical club. Boston, 1899 →
- Rika kyōiku** [Science education]. Tokyo. Only a reprint from vol. 15 (1932) seen.
- Rivista Napol.** (not seen)
- Rose Annual.** Rose annual (National rose society). Croydon, Eng., 1915 →
- Rosenjahr.** Rosenjahrbuch (Verein deutscher Rosenfreunde. Frankfurt a. M. 1934 → Preceded by Rosen-Zeitung.
- Rosenzeit.** Rosen-Zeitung; Organ des Vereins deutscher Rosenfreunde. Frankfurt a. M., 1886–1923 // Continued as Rosenjahrbuch (1934 →)
- Saggi Accad. Sci. Padov.** Saggi scientifici: Reale accademia di scienze, lettere ed arti in Padova. Padova, 1779–94. Continued as Memorie (1809) and Nuovi saggi (1817–83).
- Sargentia.** Sargentia; a continuation of the Contributions from the Arnold Arboretum of Harvard University. Jamaica Plain, Mass. 1942 →
- Saturd. Eve. Post.** Saturday evening post; an illustrated weekly magazine. Philadelphia, 1821 →
- Sched. Herb. Fl. Ross.** Schedae ad herbarium florum rossicarum: Akademii nauk; Botanicheskii muzei (vols. 1–10 → ?) St. Petersburg, 1898–1936.
- Schrift. Dorpat. Naturf.-Ges.** Schriften: Dorpater Naturforscher-Gesellschaft. Dorpat, 1884–1925 // After 1906 as Kirjatööd: Tartu Loodusuurijate.
- Schrift. Ges. Beförd. Gesamt. Naturw. Marburg.** Schriften: Gesellschaft zur Beförderung der gesamten Naturwissenschaften zu Marburg. Marburg, 1823 →
- Schrift. Ges. Naturf. Fr. Berlin.** Schriften: Gesellschaft naturforschender Freunde zu Berlin. Berlin, 1780–92. Preceded by: Beschäftigungen: Berlinische Gesellschaft . . . 1775–1779. For continuation see: Neue Schrift. Ges. Naturf. Fr. Berlin.
- Schrift. Naturw. Verein Schleswig-Holst.** Schriften: Naturwissenschaftlicher Verein für Schleswig-Holstein. Kiel, 1873 →
- Schrift. Phys.-ökon. Ges. Königsb.** Schriften: (Königlich) physikalisch-ökonomische Gesellschaft zu Königsberg. 1860 →
- Science.** Science: an illustrated journal published weekly. Cambridge, Mass., & New York, 1883–94. Continued as: Science; a weekly journal devoted to the advancement of Science. New York, 1895 →
- Sci. Proc. Roy. Dublin Soc.** Scientific proceedings: Royal Dublin society. Dublin, 1878 → Preceded by Journal . . . 1858–78.
- Sci. Rep. Biol. Tōhoku Imp. Univ.** Science reports, ser. 4. Biology: Tōhoku Imperial University (Tōhoku teikoku daigaku). Sendai, 1924 →
- Scrinia Fl. Sel. (Magnier).** Scrinia florae selectae (ed. Ch. Magnier). St. Quentin, 1882–97 //
- Scripta Bot. Hort. Univ. Petrop.** Scripta botanica: Hortus universitatis imperialis petropolitanae. St. Petersburg, 1886/1916 // Russian title: Botanicheskii zapiski: Botanicheskii sad Imp. S. Peterburgskago universiteta.
- Servicio For. Invest. Exper.** Servicio forestal: (Instituto forestal de investigaciones y experiencias). Madrid, 1928–29.
- Sierra Club Bull.** Sierra club bulletin. San Francisco, 1893 →
- Silvae Orbis.** Silvae Orbis; monographies du Centre internationale de sylviculture. Nos. 1 → Berlin-Wannsee, 1940 → — No. 5. Th. Schmucker, La distribution des espèces arborescentes de la zone septentrionale tempérée. 1942.
- Sitzber. Böhm. Ges. Wiss.** Sitzungsberichte: Böhmisches Gesellschaft der Wissenschaften. Prag, 1859 → Bohemian name of society: Česka společnost nauk.
- Sitzber. Bot. Ver. Prov. Brandenb.** See Verh. Bot. Ver. Prov. Brandenb.
- Sitzber. Ges. Naturf. Fr. Berlin.** Sitzungsberichte: Gesellschaft Naturforschender Freunde, Berlin, 1860 → Sitzungsberichte for 1839–59 published in "Vossische Zeitung" and "Spenersche Zeitung", Berlin; reprinted 1912 in one vol.
- Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien.** Sitzungsberichte der mathematisch-naturwissenschaftlichen Classe: Kaiserliche Akademie der Wissenschaften. Wien, 1848 → In 1918 the word Kaiserliche is dropped from the title.
- Sitzber. Math.-Phys. Cl. Akad. Wiss. Münch.** Sitzungsberichte der mathematisch-physikalischen Classe: Königliche (bayerische) Akademie der Wissenschaften zu München, 1871 → Preceded by Sitzungsberichte . . . 1860–70. Title varies. From 1918 title reads Bayerische Akademie . . .
- Skrift. Vidensk.-Selskab. Christiania Mat.-Nat. Kl.** Skrifter: Videnskabs-selskabet i Christiania; Mathematisk-naturvidenskabelig Klasse. Christiania, 1894–1924. "Christiania was changed to Kristiania" in 1911. Continued as: Skrifter: Norske Videnskaps-akademi i Oslo. Oslo, 1925 →
- Skrivt. Naturh.-Selsk. Kjøbenh.** Skrifter: Naturhistorie-Selskabet Kjøbenhavn. Kjøbenhavn, 1790–1810 //
- Smithson. Inst. Contrib. Knowl.** Smithsonian institution; Smithsonian contributions to knowledge, Washington, 1848–1916 //

- Smithson. Inst. Misc. Coll.** Smithsonian institution; Smithsonian miscellaneous collections. Washington, 1862 →
- Sovetsk. Bot.** Sovetskaia botanika (Botanicheskii institut-Akademii nauk S.S.S.R. Leningrad, 1933 → For preceding series see Bull. Jard. Bot. U.R.S.S.)
- Specchio Sci.** Specchio delle scienze; o, Giornale enciclopedico di Sicilia . . . (ed. C. S. Rafinesque). Palermo, 1814 //
- Spraw. Akad. Krakow.** Sprawozdanie (komisyi fizyograficznej) . . . : Akademia umiejętności w Krakowie. Krakow, 1867 →
- Staatsw. Vorles. Kurpf. Phys.-oekon. Ges.** Staatswissenschaftliche Vorlesungen: Kurpfälzische physikalisch-ökonomische Gesellschaft. Heidelberg, 1791 → ?
- Steiermärk. Zeitschr.** Steiermärkische Zeitschrift. Graz, 1821-48 //
- Sunyatsenia.** Sunyatsenia: journal of the Botanical institute, College of Agriculture, Sun Yatsen university. Canton, 1930 →
- Svensk Bot.** Svensk botanik (ed. J. W. Palmstruch et al.) 11 vol. (774 t.) Stockholm, 1801-38.
- Svensk Bot. Tidskr.** Svensk botanisk tidskrift. Stockholm, 1907 →
- Svenska Landtbr.-akad. Annal.** (Kongl.) Svenska Landtbruks-akademien; Annaler. Stockholm, 18. . ?
- Svenska Vetensk.-akad. Handl.** (Kongl.) Svenska vetenskaps-akademien; Handlingar. Stockholm, 1739 → Before 1757 as Svenska vetenskaps academi. Vols. for 1790-1812 [ser. 2] called Nya handlingar.
- Svenska Vetensk.-akad. Nya Handl.** See Svenska Vetensk.-akad. Handl.
- Syll. Pl. Nov. Soc. Bot. Ratisb.** Sylloge plantarum novarum itemque minus cognitarum . . . a Societate regia botanica ratisbonensi edita. Regensburg, 1824-28 //
- Symb. Bot. Upsal.** Symbolae botanicae upsaliensis (Arbeten från botaniska institutionen i Uppsala). Uppsala, 1932 →
- Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr.** Synopsis of proposals concerning nomenclature submitted to . . . (by T. A. Sprague). Cambridge (Engl.), 1935.
- Tech. Bull. New York St. Agric. Exp. Sta.** Technical bulletin: New York State agricultural experiment station. Geneva, N. Y., 1906 →
- Természetr. Füzet.** Természettudományi füzetek. Budapest, 1877-1902 // Continued as Magyar nemzeti múzeum; Annales historico-naturales (1903 →)
- Természett. Közl.** Természettudományi közlöny ([Kir] Magyar természettudományi társulat). Budapest, 1869 →
- Tidning Trädgårds-Sk.** Tidning för Trädgårds-Skötsel (ed. N. Lilja). Lund, 1840-1842.
- Tidskr. Landtm.-Kommun. Ekon.** Tidskrift för Landtm. . . och Kommun. . . ekonomien. [Not seen.]
- Tijdschr. Nat. Geschied. Phys.** Tijdschrift voor natuurlijke geschiedenis en physiologie. Amsterdam, 1854-45 //
- Torrey.** Torrey; a monthly journal of botanical notes and news (Torrey botanical club). New York, 1901 →
- Trans. Acad. Sci. St. Louis.** Transactions: Academy of science of St. Louis. St. Louis, 1860 →
- Trans. Am. Philos. Soc.** Transactions: American philosophical society. Philadelphia, 1769 →
- Trans. As. Soc. Jap.** Transactions: Asiatic society of Japan. Yokohama, 1872 →
- Trans. Bot. Soc. Edinb.** Transactions and proceedings Botanical Society of Edinburgh. Edinburgh, 1841 →
- Trans. Cambridge Philos. Soc.** Transactions: Cambridge philosophical society. Cambridge, 1820-1928 //
- Trans. Korea Branch Roy. As. Soc.** Transactions; Korea branch: Royal asiatic society of Great Britain and Ireland. Seoul, 1900 →
- Trans. Linn. Soc. Lond.** Transactions: Linnaean society of London. London, 1791-1875. For continuation see Trans. Linn. Soc. Lond. Bot.
- Trans. Linn. Soc. Lond. Bot.** Transactions; Botany (ser. 2): Linnaean society of London. London 1875 → For preceding series see Trans. Linn. Soc. Lond.
- Trans. New York Acad. Sci.** Transactions: New York academy of sciences. New York, 1881 →
- Trans. Philos. Inst. Victoria.** Transactions and Proceedings: Philosophical institute of Victoria. Melbourne, 1854-59. Vol. 1 as Philosophical society of Victoria. Continued as Transactions and proceedings: Royal Society of Victoria (1860-87). From 1888 Transactions and Proceedings published separately; Transactions (1888-1914) and Proceedings (1888 →).
- Trans. Proc. New Zeal. Inst.** Transactions and proceedings: New Zealand institute, Wellington, 1868-1933. Continued as Transactions and proceedings: Royal society of New Zealand (1934 →).
- Trans. Roy. Dubl. Soc.** Transactions: Royal Dublin society. Dublin, 1797-1810 //
- Trans. Roy. Irish Acad.** Transactions: Royal Irish academy. Dublin, 1787-1906 //
- Trans. Roy. Soc. Edinb.** Transactions: Royal society of Edinburgh. Edinburgh, 1783 →
- Trans. Sapporo Nat. Hist. Soc.** Transactions: Sapporo natural history society. Sapporo, 1905 →
- Trans. Wisconsin Acad. Sci.** Transactions: Wisconsin academy of sciences. Madison, 1872 →
- Trav. Inst. Bot. Tbilissi.** Travaux: Institut botanique de Tbilissi. Tbilissi, 1934 →. Russian title: Trudy Tbilisskogo botanicheskogo instituta: Akademiia nauk S.S.S.R. Gruzinskii filial.
- Trav. Lab. For. Toulouse.** Travaux: Laboratoire forestier; Université de Toulouse. Toulouse, 1928 →
- Trav. Mus. Bot. Acad. Sci. Russie.** See under Trav. Mus. Bot. Acad. Sci. St. Pétersb.
- Trav. Mus. Bot. Acad. Sci. St. Pétersb.** Travaux: Musée botanique; Académie impériale des sciences de St. Pétersbourg. St. Petersburg. 1902-32 // Russian title: Trudy Botanicheskago muzeia: Imp. Akademiia nauk S. Peterburg. In vols. 13-16 "St. Pétersbourg" is replaced by "Petrograd". Vols. 17-18 published as Travaux: Musée botanique; Académie des sciences de Russie. Vols. 19-24 as: Travaux: Musée botanique; Académie des sciences de U.R.S.S. For continuation see Act. Inst. Bot. Acad. Sci. U.R.S.S.
- Trees.** Trees; the journal of American arboriculture. As Western trees, parks and forests (1937-8); Trees; with varying subtitle (1938-41). Santa Monica, 1937-46; Cleveland, Ohio, 1946 →
- Trop. Woods.** Tropical woods (School of forestry: Yale university). New Haven, 1925 →
- Trudy Bot. Sad. Juriev. Univ.** See Act. Hort. Bot. Univ. Jurjev.

- Trudy Tbiliss. Bot. Inst. Akad. Nauk S.S.S.R.** Gruzin Filial. See Trav. Inst. Bot. Tbilissi.
- Trudy Obshch. Khark. Univ.** Trudy: Obshchestvo Ispytatelei prirody pri Imperatorskom Khar'kovskom Universitate. Kharkov, 1873 →
- Trudy S. Peterb. Obshch. Estestv.** Trudy: Imp. S. Peterburgskoe Obshchestvo estestvoispytatelei. S. Peterburg, 1870 → French title: Travaux de la Société impériale des naturalistes de St. Pétersbourg. Vols. 35-37 have also the title "Journal de botanique". Beginning with vol. 44 "St. Pétersbourg" is replaced by "Petrograd" and later by "Leningrad". The word Imperial (impériale) omitted with vol. 46.
- Trudy Tiflis. Bot. Sad.** Trudy: Tiflisskii botanicheskii sad. Tiflis, 1895-1930 // For continuation see Trav. Inst. Bot. Tbilissi.
- Tuinbouw-fl. Nederl.** Tuinbouw-flora van Nederland en zijne overzeesche bezittingen (ed. W. H. de Vries). Leyden, 1855-56 //
- Uchen. Zapisk. Kazan. Univ.** Uchenyia zapiski: Kazanskii universitet. Kazan, 1834 →
- U. S. Dept. Agric. Bull.** United States: Department of agriculture; Bureau of plant industry; Bulletin. Washington, D. C., 1908 →
- U. S. Dept. Agric. Bur. Pl. Indust. Ann. List New Pl. Introd.** (no. 1-24). United States Department of Agriculture; Bureau of plant industry: Annual list of new plant introductions (no. 1-24). Washington, D. C., 1911-1935.
- U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Imp.** United States Department of agriculture: Bureau of plant industry: Inventory seeds and plants imported . . . No. 9 → Washington, D. C., 1902 → Nos. 1-8 as U. S. . . . Division of botany, 1899-1901.
- U. S. Dept. Agric. Div. For. Bull.** See U. S. Dept. Agric. For. Serv. Bull.
- U. S. Dept. Agric. For. Serv. Bull.** United States Department of agriculture; Forest service. Bulletin. Washington, D. C., 1887 →
- U. S. Dept. Agric. Misc. Circ.** United States: Department of Agriculture; Miscellaneous circulars.
- U. S. (War Dept.) Rep. Expl. Surv. Railr. Mississippi Pacific Oc.** United States War Department; Reports of explorations and surveys . . . for a railroad from the Mississippi River to the Pacific Ocean. Washington, D. C., 1855-60.
- Uebers. Arb. Schles. Ges. Vaterl. Cult.** Uebersicht der Arbeiten . . . ; Schlesische Gesellschaft für vaterländische Cultur. Breslau, 1824-49. For continuation, see Jahrb. Schles. Vaterl. Kult.
- Ukaz. Otkr. Fizik. Khim. Estestu. Ist. Tekhn.** Ukazatel' otkrytiĭ po fizikie, khimii, estestvennoi istorii i tekhnologii (Schcheglov). S. Petersburg, 1824-31 // German title: Anzeiger der Entdeckungen in der Physik, Chemie, Naturgeschichte und Technologie (ed. Schtschegloff).
- Ungar. Bot. Blätt.** See Magyar Bot. Lapok.
- Univ. Calif. Pub. Agric. Sci.** University of California; Publications in agricultural sciences. 1912-39 //
- Univ. Colorado Stud.** University of Colorado studies. Boulder, Colo. 1902 →
- Univ. Kansas Sci. Bull.** University of Kansas science bulletin. Lawrence, Kans., 1902 →
- Univ. Missouri Stud. Sci. Ser.** University of Missouri studies: Science series. Columbia, Mo., 1905-18 //
- Univ. Washington Publ. Biol.** University of Washington: Publications in biology. Seattle, Wash., 1932 →
- Uppsala Univ. Arsskr.** Uppsala universitet; Årsskrift. Upsala, 1861 →
- Varied. Ci. Lit. Art.** Variedades de ciencias, literatura y artes. Madrid, 1803-05 //
- Verh. Batav. Genoot. Kunst. Wetensch.** Verhandelingen: Bataviaasch genootschap van kunsten en wetenschappen. Batavia, 1779 →
- Verh. Bot. Ver. Brandenb.** Verhandlungen: Botanischer Verein der Provinz Brandenburg. Berlin, 1859 → Title of vols. 1-12 (1859-70) reads: Botanischer Verein für die Provinz Brandenburg und die angrenzenden Länder.
- Verh. Holland. Maatsch. Wetensch.** Verhandelingen: Hollandsche maatschappij der wetenschappen te Haarlem. Haarlem, 1754-93. French title: Société hollandaise des sciences. Continued as Natuurkundige verhandelingen . . . 1799-1922 //
- Verh. Leop.-Carol. Akad. Naturf.** Verhandlungen: Leopoldinisch-carolinische Academie der Naturforscher. Breslau, Bonn, etc., 1818 → Also called: Nova acta: Academia (caesarea) Leopoldino-carolina naturae curiosorum. 1757-91, 1818 → (vols. 9-24 also numbered 1-16). For earlier series see Act. Phys.-Med. Acad. Nat. Curios. Continued as Deutsche Akademie der Naturforscher zu Halle, 1923 →
- Verh. Naturf. Ges. Basel.** Verhandlungen: Naturforschende Gesellschaft in Basel. Basel, 1834 → From 1834-1852 as Bericht über die Verhandlungen.
- Verh. Naturf. Ver. Brünn.** Verhandlungen: Naturforscher Verein in Brünn. Brünn, 1862 →
- Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2.** Verhandelingen: Koninklijke (Nederlandsche) Akademie van Wetenschappen; Afdeling Natuurkunde; Tweede Sectie. Amsterdam, 1892 →
- Verh. Schweiz. Naturf. Ges.** Verhandlungen: Schweizerische naturforschende Gesellschaft. Basel & Bern, 1856 → French title: Actes: Société helvétique des sciences. Preceded by: Allgemeine schweizerische Gesellschaft für die gesammten Naturwissenschaften (1818-1855).
- Verh. Siebenbürg. Ver. Naturw.** Verhandlungen: Siebenbürgischer Verein für Naturwissenschaften zu Hermannstadt. Hermannstadt, 1849 →
- Verh. Ver. Beförd. Gartenb. Preuss.** Verhandlungen: Verein zur Beförderung des Gartenbaues in den königlich preussischen Staaten. Berlin, 1824-59. For continuation see Wochenschr. Ver. Beförd. Gartenb. Preuss.
- Verh. Zool.-Bot. Ges. Wien.** Verhandlungen: Kaiserlich-königliche zoologisch-botanische Gesellschaft in Wien. Wien, 1851 → Vols. 1-17 (1851-57) as Verhandlungen: Zoologisch-botanischer Verein in Wien. With vol. 68 (1919) the words "Kaiserlich-königliche" were dropped from the title.
- Vermont Agric. Exp. Sta. Ann. Rep.** Report agricultural experiment station: Annual Report. Burlington, etc., 1888-95. Continued in the Bulletin; see following entry.
- Vermont Agric. Exp. Sta. Bull.** Vermont agricultural experiment station; Bulletin. Montpelier, 1896 →
- Versl. Meded. Afdeel. Natuurk. Akad. Wetensch. Amsterd.** Verslagen en mededeelingen; Afdeling natuurkunde: Koninklijke akademie van wetenschappen. Amsterdam, 1853 → From 1892 title reads Verslagen der zittingen van de wis- en natuurkundige afdeling.

- Vidensk. Meddel. Naturh. For. Kjøbenh.** Videnskabelige meddelelser: Naturhistoriske forening i Kjøbenhavn, 1849 → After 1912 title of the society reads: Dansk naturhistorisk forening.
- Vidensk.-Selskab. Christiania Skrift.** Videnskabs-selskabets i Kristiania Skrifter. Christiania, 1894-1924. Continued as: Norske videnskaps akademi, Oslo. Oslo, 1925 →
- Vierteljahrsschr. Naturf. Ges. Zürich.** Vierteljahrsschrift: Naturforschende Gesellschaft in Zürich. Zürich, 1856 →
- Viestn. Tiflis. Bot. Sad.** Viestnik: Tiflisskii botanicheskii sad. Tiflis, 1905-31 // ? French title: Moniteur: Jardin botanique de Tiflis.
- Vigne Amér.** La vigne américaine et la viticulture. Vienne, Lyon et Mâcon, 1877-1910 // In vols. 1 and 2 title reads: La vigne américaine; sa culture, son avenir en Europe.
- Vorles. Kurpfälz. Phys.-ökon. Ges.** Vorlesungen: Kurpfälzische physikalisch-ökonomische Gesellschaft. Heidelberg, 1784-90 //
- Vulgaris. Hort.** Vulgarisation de l'horticulture (ed. Vauvel).
- Werdenda.** Werdenda; Beiträge zur Pflanzenkunde (ed. W. Suksdorf). Bingen, Wash., 1923-31 //
- West. Rev.** Western review and miscellaneous magazine; a monthly publication devoted to literature and science. Lexington, Ky., 1819-20 //
- Wien. Bot. Zeitschr.** Wiener Botanische Zeitschrift. See Oester. Bot. Zeitschr.
- Wien. Ill. Garten-Zeit.** Wiener illustrierte Garten-Zeitung; Organ der K. K. Gartenbau-Gesellschaft in Wien. Wien, 1876-1905. Vols. 1-3 (1876-78) as "Wiener Obst- und Garten-Zeitung". In 1906 merged with Oesterreichische Garten-Zeitung (1906-12).
- Wien. Obst- & Garten-Zeit.** See Wien. Ill. Garten-Zeit.
- Wien. Zeitschr. Kunst Litt.** Wiener Zeitschrift für Kunst, Litteratur, Theater und Mode. Wien, 1816-48 //
- Wine & Fruit Grower.** Wine and fruit grower. New York, 1881-85. Preceded by American wine and grape grower (1879-80). Continued as Orchard and garden (1886-1892 //)
- Wiss. Beil. Progr. Falk-Realgymn. Berlin.** Wissenschaftliche Beilage zum Programm des Falk-Realgymnasiums zu Berlin. — Only no. 95 (1890) seen.
- Wochenschr. Ver. Beförd. Gartenb. Preuss.** Wochenschrift des Vereines zur Beförderung des Gartenbaues in den königlich preussischen Staaten für Gärtnerei und Pflanzenkunde. Berlin, 1858-72. Vols. 1-2 as Wochenschrift für Gärtnerei und Pflanzenkunde. For preceding series see Verh. Ver. Beförd. Gartenb. Preuss. For continuation see Monatsschr. Ver. Beförd. Gartenb. Preuss.
- Yearb. U. S. Dept. Agric.** Yearbook of agriculture: United States; Department of agriculture. Title varies. Washington, D. C., 1894 →
- Zapisk. Sibirsk. Otd. Russk. Geog. Obshch.** Zapiski Sibirskago otdiela russkago geograficheskago obshchestva, po obshchei geografii [Bulletin of the Siberian branch of the Imperial Russian geographical society].
- Zeitschr. Ferdinand. Innsbr.** Zeitschrift: Ferdinandeum für Tirol und Vorarlberg. Innsbruck, 1853-1920 // Preceded by Beiträge zur Geschichte . . . von Tirol und Vorarlberg (1825-34) and by Neue Zeitschrift . . . (1835-46).
- Zeitschr. Forst- & Jagdwes.** Zeitschrift für das Forst- und Jagdwesen mit besonderer Rücksicht auf Baiern. Bamberg etc., 1823-47. Vol. 1 as Neue Zeitschrift für das Forst- und Jagdwesen in Baiern. Preceded by Zeitschrift für das Forst- und Jagdwesen in Baiern, zur Unterhaltung und Belehrung . . .
- Zeitschr. Indukt. Abst. & Vererb.** Zeitschrift für induktive Abstammungs- und Vererbungslehre (Deutsche Gesellschaft für Vererbungswissenschaft). Berlin, 1908 →
- Zeitschr. Nat.-Heilk. Ungarn.** Zeitschrift für Natur- und Heilkunde in Ungarn, mit gleicher Berücksichtigung für Naturforscher . . . Budapest, 1850-61 //
- Zhurn. Russk. Bot. Obshch.** See Jour. Bot. U.R.S.S.
- Zhurn. S. Peterb. Liesn. Obshch.** See Liesn. Zhurn. S. Peterb. Liesn. Obshch.
- Zoe.** Zoe; a biological journal. San Francisco, 1890-1908 //





# EXPLANATION OF VARIOUS ABBREVIATIONS AND SIGNS

The abbreviations under the above heading are, for the most part, those used in connection with the citations of the botanical names. They are in Latin, as is customary in taxonomic publications, particularly those intended for international use. The references to Articles of the Rules of botanical nomenclature relate to edition 3 (1935).

*App.*, appendix; supplementary matter, usually paged separately.

*auct.*, auctor vel auctores; author or authors: e. g. *auct. poster.*, auctorum posteriorum; of later authors.

*basonym.*, basonymum; basonym: the name or epithet upon which a later combination is based. By some authors incorrectly spelled basynym.

[*Cat.*] in the title of lists of plants and plant names indicates a nursery catalogue or price-list.

*cf.*, confer; compare or see.

*comb. nov.*, combinatio nova; new combination: the transfer of a subdivisional name to another division (also called translatio nova, new transfer), or a change of rank as the change of a variety to a species or vice versa (also called status novus, new rank).

*descr.*, descriptio; description: e. g. *descr. manca*, descriptione manca; description incomplete, poor.

*emend.*, emendatus, a, um; emended or corrected: e. g. *descr. emend.*, descriptio emendata; emended or corrected description.

*e.g.*, exempli gratia; for example, for instance.

*err.*, errore or per errorem; by error or mistake.

*err. typogr.*, errore typographico; by typographical error.

*exclud.*, excludendus, a, um; a name or specimen to be excluded from the concept of the preceding citation: e. g. *exclud. sp. nonnull.*, excludendis speciebus nonnullis, some species to be excluded from the preceding citation.

*exclus.*, exclusus, a, um; a name excluded from the concept of the preceding citation by its author, though belonging to the concept of the group as accepted in this work.

*expl. tab.*, explanatio tabulae; explanation of the plate.

*f.*, forma; a subdivision of species ranking below varietas and subvarietas.

*fig.*, figura; figure, illustration: e. g. *fig. anal.*, figura analytica, analytical figure.

*fl.*, flos, flores; flower, flowers.

*fol.*, folium, folia; leaf or leaves.

*fossil.*, fossilis, planta fossilis; fossil plant.

*fr.*, fructus; fruit.

*gen.*, genus; genus.

*grad. nov.*, gradus novus; new grade, change to another subdivisional category without change of the combination itself, as a change of a variety to a form or a section to a subgenus or vice versa. See *Jour. Arnold Arb.* 22: 570 (1941) and 26: 67 (1945).

*homonym.*, homonymum; homonym, a name duplicating a name previously published for a different group of the same rank (see Rules of botanical nomenclature, ed. 3, Art. 61).

*hort.*, hortorum v. hortulanorum; of gardens or gardeners, sometimes specified as *hort. am.*, American gardens; *hort. angl.*, English gardens; *hort. gall.*, French gardens; etc.

*icon.*, iconis or *icon.*, icones; figure, illustration, illustrations.

*inclus.*, inclusus, a, um; a name or group included in the conception of the preceding citation, though not belonging in the concept of the group as accepted in this publication.

*ined.*, ineditus, a, um; a name not yet published.

*in lit.*, in literis; an unpublished name in a letter or manuscript.

*l. c.*, loco citato; in the place cited; refers to a name published on the same page as in the preceding publication by the same author; see also *op. cit.*

*lus.*, lusus; a subdivision of a species ranking below forma; treated in this work as an equivalent of forma.

*monst.*, monstrositas; a subdivision of a species ranking below forma; treated in this work as an equivalent of forma.

*msc.*, *ms.*, plural *mss.*, manu scriptus; manuscript; indicates an unpublished name.

*mut.*, mutatio; mutation, a subdivision of a species ranking below forma; treated in this work as an equivalent of forma.

*nom.*, nomen, nomen nudum; a bare name without a description or reference to a previous description or based on an illustration without analytical figures. See also *nom. subnud.*

*nom. altern.*, nomen alternativum; alternative name, one of two names (nomina alternativa) simultaneously proposed for the same group. Only in the case of the names of some families, either name may be used as valid (*Nom. altern. legit.*); cf. *Synops. Propos. Nomencl.* 65 (1935) and *Proc. Sixth Intern. Bot. Congr.* 1: 358 (1936).

See also *Nom. event.*, *Nom. provis.* and *Nom. tentat.*

*nom. ambig.*, nomen ambiguum; a name which has become of uncertain meaning owing to its application by different authors for two or more species or groups. The rejection must be validated by vote of the International Botanical Congress.

*nom. ambig. propos.*, nomen ambiguum propositum; a name proposed for rejection, but not yet voted upon.

*nom. conserv.*, nomen conservandum; a name to be conserved though not valid according to a strict application of the Rules, but validated by vote of the International Botanical Congress or of a committee appointed for this purpose by the Congress.

*nom. conserv. propon.*, nomen ad conservandum proponendum; a name which should be proposed for conservation.

*nom. conserv. propos.*, nomen ad conservandum propositum; a name proposed for conservation, but not yet voted upon.

*nom. dub.*, nomen dubium; a name of doubtful application (see Art. 63).

*nom. event.*, nomen eventuale; a proposed name to become valid under certain conditions, not definitively proposed as a legitimate name. See also *nom. provis.* and *nom. tent.*

*nom. illeg.*, nomen illegitimum; a name not in agreement with the Rules of botanical nomenclature.

*nom. nov.*, nomen novum; new name, a change of a name or an epithet, usually because the name or combination was preoccupied.

*nom. nud.*, see *nom.*

*nom. prae-Linn.*, nomen prae-Linnaeanum; pre-Linnaean name, a botanical name published before 1753 or published in a later work not employing binomial nomenclature consistently.

*nom. provis.*, nomen provisorium; a provisional or conditional name; a name not definitively proposed or one to become valid only under certain conditions. See Proc. Sixth Intern. Bot. Congr. 1: 364-5 (1936), also Briquet, Recueil synoptique 41 (1930). Also called *Nom. event.* and *Nom. tentat.*

*nom. rejic.*, nomen rejiciendum; a name to be rejected, either on account of being illegitimate, or having been rejected in favor of a nomen conservandum by vote of the International Botanical Congress.

*nom. subnud.*, nomen subnudum; a name not fulfilling the conditions for valid publication (see Art. 37), but about whose application there can be little doubt from concomitant or other evidence. Also names published after 1935 (see Art. 38) without Latin description and names based on figures without analytical details (see Art. 44, 3), would fall into this category.

*nom. tentat.*, nomen tentativum: see *nom. provis.*

*obs., in obs.*, in observationibus; in the discussion or in the accompanying text.

*op. cit.*, in op. cit.; opus citatum, in opere citato; referring to a preceding citation of the same work with the name in question on a different page or in a different part of the work, while the term *l. c.* (loco citato) refers to publication on the same page.

*p. p.*, pro parte; in part.

*p. p. max.*, pro parte maxima; as to the largest part of the group.

*p. p. typ.*, pro parte typica; as to the typical part.

*pl.*, planta; plant, e. g. *pl. fossil.*, pl. fossilis.

*pl. depict.*, planta depicta; e.g. quoad *pl. depict.*, as to the plant figured.

*polynom.*, nomen polynomiale; a name consisting of more than three words without indication of rank, while a similar name with epithets of different rank, might be termed a polynomial combination (see Introduction, p. vii).

*ram.*, ramus; branch.

*sched., in sched.*, scheda, schedae, in scheda; label or labels, on the label; used chiefly in connection with names on herbarium labels.

*sec.*, secundum; according to, used chiefly in misidentifications followed by the author who misapplied the name; the author of the original application of the name given at the end of the citation preceded by "non" or "nec." See also Recomm. XXXVII.

*sect.*, sectio; section, a subdivision of a genus, ranking below subgenus.

*sensu*; in the sense of, in the conception of, followed by the name of the author; usually indicating a misidentification.

*sensu lato (ampliore)*; in a wider or broader sense, as compared with the original conception.

*sensu stricto*; in a restricted or narrow sense in comparison with the original conception.

*ser.*, series; a subdivision of a genus usually below section; rarely used for a subdivision of a family. In the present work the term is used only for a subdivision below the rank of a subsection; its name consisting of an adjective in plural form, as *Grandiflori*, *Latifoliae*, *Campestris* (see also foot-note under *Rubus* (p. 284b) and *Rosa* (p. 296a).

*sign.*; signature, printer's signature; the letter or figure at the bottom of the first (and second) page of each sheet; in octavo books comprising usually sixteen pages.

*sp.*, species.

*sp. nonnull.* (or *sp. nonn.*), species nonnullae; e. g. *exclud.*

*sp. nonnull.*; *excludendis speciebus nonnullis*: some species to be excluded from the preceding citation.

*specim.*, specimen; herbarium specimen.

*sphalm.*, sphalmate; by slip of the pen.

*stat. nov.*, see under *comb. nov.*

*syn.*, synonymum; synonym; e. g. *pro syn.*, pro synonymo, as synonym; *cum synonymis multis*, with numerous synonyms; *cum syn. plur.*, cum synonymis pluribus, with several synonyms.

*t.*, tabula; plate.

*tauton.*, tautonymum; a specific epithet exactly repeating the generic name, as *Cedrus Cedrus* (L.) Huth; an illegitimate combination (see Art. 68, 3).

*transl. nov.*; see under *comb. nov.*

*textu, in textu*; names appearing in the general text, not in a separate paragraph headed by the name.

*typ.*, typus, typicus; e. g. *p. p. typ.*, pro parte typica.

*uninom.*, uninomiale [nomen], unitary name; a single word instead of a binary combination to denote a species, being an illegitimate name (see Art. 67, 3).

*var.*, varietas; variety, a subdivision of a species ranking below subspecies and above forms; in horticultural publications applied usually in a general sense for any subdivision of a species. Up to the beginning of the nineteenth century, Greek letters are equivalent to the term *varietas*, but have been used by later authors occasionally for other subdivisions of a genus (see p. 58 in Rehder, The varietal categories in botanical nomenclature (Jour. Arnold Arb. 8: 56-68. 1927).

§ usually employed as a sign for a section or series of a genus or sometimes as a subdivision of a family as in Lindley, Syn. Brit. Fl. 89 (1829) "Rosaceae § 4. Roseae"; in this work only for series, a subdivision of a genus below section or subsection.

× sign of a sexual hybrid and connecting the two or sometimes more parents of the hybrid.

+ sign of a graft hybrid and connecting the two parents of the graft hybrid.

♀ pistillate plant.

♂ staminate plant.

# SYSTEMATIC ENUMERATION AND SYNONYMY OF CULTIVATED TREES AND SHRUBS

## Subdivisio I. GYMNOSPERMAE

GYMNOSPERMAE Lindley, Introd. Nat. Syst. Bot. 245 (1930), non J. G. Gmelin (1768).

*Archispermæ* Strasburger ex Engler in Nat. Pflanzenfam. II. 1: 2 (1889), pro syn.

### Fam. GINKGOACEAE

GINKGOACEAE Engler in Nat. Pflanzenfam. Nachtr. II-IV. 19 (1897). — Pilger in Nat. Pflanzenfam. ed. 2, 13: 98 (1926).

*Salisburyaceae* Link, Handb. Erkenn. Gew. 2: 469 (1831) "*Salisburiaceae*" in indice p. 523.

*Taxineae* 3. *Podocarpeae* Reichenbach, Handb. Nat. Pflanzenfam. 15 (1837), quoad *Salisburia*.

*Cupresseae* subfam. *Ginkgineae* Presl, Wšeb. Rostlin. 2: 1424 (1846).

**GINKGO** Linnaeus, Mant. Pl. 2: 313 (1771). — Pilger in Nat. Pflanzenfam. ed. 2, 13: 109 (1926).

*Salisburia* Smith in Trans. Linn. Soc. Lond. 3: 330 (1797).

— Link, Enum. Pl. Hort. Berol. 2: 402 (1822) "*Salisburya*."

*Pterophyllus* [Nelson], Pinac. 163 (1866).

*Ginkgo* Mayr, Fremdl. Wald- & Parkbäume, 286 (1906).  
Typus: *G. biloba* L.

**G. biloba** Linnaeus, Mant. Pl. 2: 313 (1771).

*Salisburia adiantifolia* Smith in Trans. Linn. Soc. Lond. 3: 330 (1797). — Link, Enum. Pl. Hort. Berol. 2: 402 (1822) "*Salisburya a*."

*Salisburya biloba* Hoffmannsegg, Verz. Pflanzenkult. 109 (1824).

*Pterophyllus Salisburiensis* [Nelson], Pinac. 163 (1866).

*Ginkgo biloba* Mayr, Fremdl. Wald- & Parkbäume, 280 (1906).

**G. biloba f. fastigiata** (Henry), grad. nov.

*Ginkgo biloba* var. *fastigiata* [Masters] in Kew Hand-list Conif. 19 (1896), nom. — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 58 (1906).

**G. biloba f. pendula** [Van Geert] Beissner, Syst. Eintheil. Conif. 24 (1887).

*Salisburia adiantifolia pendula* Van Geert, Cat. 1862: 62 (1862).

*Ginkgo biloba pendula* Carrière, Traité Conif. ed. 2, 713 (1867). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 58 (1906) "var."

**G. biloba f. laciniata** (Carr.) Beissner, Syst. Eintheil. Conif. 24 (1887).

*Salisburia adiantifolia laciniata* Carrière in Rev. Hort. 1854: 412 (1854).

*Ginkgo biloba laciniata* Carrière, Traité Conif. ed. 2, 712 (1867). — Mouillefert, Arb. Arbriss. 2: 1368 (1898) "var."

*Ginkgo biloba* var. *dissecta* Hochstetter, Conif. 101 (1882). — Pilger in Nat. Pflanzenfam. ed. 2, 13: 109 (1926) "f."

**G. biloba f. variegata** (Carr.) Beissner, Syst. Eintheil. Conif. 25 (1887) "(f.)" — Pilger, l. c. (1926).

*Salisburia adiantifolia variegata* Carrière in Rev. Hort. 1854: 412 (1854); Traité Conif. 504 (1855).

*Ginkgo biloba variegata* Carrière, Traité Conif. ed. 2, 712 (1867). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 58 (1906) "var."

**G. biloba f. aurea** [Nels.] Beissner, Handb. Conif.-Ben. 47 (1887).

*Pterophyllus Salisburiensis aurea* [Nelson], Pinac. 164 (1866).

*Ginkgo biloba* var. *aurea* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 58 (1906).

### Fam. TAXACEAE

TAXACEAE Lindley, Nat. Syst. Bot. ed. 2, 938 (1836). — Ascherson, Fl. Prov. Brandenb. 886 (1864).

*Coniferae* sect. I. *Taxineae* L. C. & A. Richard, Comm. Conif. 124 (1826), p. p. — Parlatore in De Candolle, Prodr. 16,2: 367 (1868) "trib."; p. p.

*Taxineae* Reichenbach, Handb. Nat. Pflanzenfam. 166 (1837), p. p. typ. — Endlicher, Syn. Conif. 231 (1847), p. p. typ.

*Cupresseae* subfam. *Taxaeae* Presl, Wšeb. Rostlin. 2: 1422 (1846).

*Coniferae* II. *Taxoideae* Eichler in Nat. Pflanzenfam. II. 1: 66 (1889), p. p.

*Taxaceae* subfam. *Taxoideae* Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 38 (1903).

*Taxocupressaceae* subfam. *Taxoideae* Vierhapper in Abh. Zool.-Bot. Ges. Wien, 5,4: 23 (1910).

Trib. 1. TAXEAE Benthams & Hooker, Gen. Pl. 3: 422 (1880), p. p. — Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 38 (1903).

*Taxaceae* Lindley, Nat. Syst. Bot. ed. 2, 938 (1836), p. p. typ. — Pilger in Nat. Pflanzenfam. ed. 2, 13: 199 (1926).

*Taxineae* 2. *Taxaeae* Reichenbach, Handb. Nat. Pflanzenfam. 166 (1837), nom. subnud.

**TAXUS** Linnaeus, Sp. Pl. 1040 (1753); Gen. Pl. ed. 5, 462, no. 1006 (1754).

*Verataxus* [Nelson], Pinac. 168 (1866).

LECTOTYPUS: *T. baccata* L.

**T. baccata** Linnaeus, Sp. Pl. 1040 (1753).

*Taxus pectinata* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 417 (1790).

*Taxus lugubris* Salisbury, Prodr. Stirp. Chap. Allert. 396 (1796).

*Taxus baccata a. vulgaris* Endlicher, Syn. Conif. 243 (1847). — Voss, Vilmor. Blumengärt. 1: 1243 (1896) "subsp."

*Taxus communis* [Nelson], Pinac. 171 (1866).

*Taxus baccifera* Theophrastus ex Bubani, Fl. Pyren. 1: 46 (1897).

*Taxus baccata* subsp. *eubaccata* Pilger in Mitt. Deutsch. Dendr. Ges. 1916(25): 13 [1917].

**T. baccata f. variegata** (West.), grad. nov.

*Taxus baccata* 3. *variegata* Weston, Bot. Univ. 1: 292, 347 (1770). — Endlicher, Syn. Conif. 243 (1847) "δ."

*Taxus baccata argentea* Loudon ex Gordon, Pinet. 312 (1858).

**Taxus** (continued)

- T. baccata f. aurea** (Nels.) Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 114 (1903); in Mitt. Deutsch. Dendr. Ges. 1916(25): 11 [1917] "subsp. *eubaccata f. a.*".  
*Taxus communis aurea* [Nelson], Pinac. 172 (1866).  
*Taxus baccata aurea* Carrière, Traité Conif. ed. 2, 734 (1867). — Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1933 (1907) "var.".   
*Taxus baccata Elvastonensis* Barron ex Gordon, Pinet. ed. 2, 430 (1875).  
*Taxus baccata (f.) elvastonensis aurea* Lauche, Deutsche Dendr. 47 (1880). — Beissner, Handb. Conif.-Ben. 40 (1887) "forma."
- T. baccata f. elegantissima** [Laws.] Beissner, Syst. Eintheil. Conif. 23 (1887). — Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 115 (1903) "*f. fastigiata* subf. *e.*".  
*Taxus baccata* var. *elegantissima* Hort. ex Lawson, List Pl. Fir Tribe, 82 (1851). — Beissner in Jäger & Beissner, Ziergeh. 497 (1884).  
*Taxus baccata* (var.) *variegata alba* Carrière, Traité Conif. 518 (1855).  
*Taxus baccata aurea elegantissima* Kent, Veitch's Man. Conif. ed. 2, 126 (1900).
- T. baccata f. semperaurea** (Dallim.), grad. nov.  
*Taxus baccata semperaurea* Jackman ex Anon. in Gard. Chron. ser. 3, 28: 338 (1900), nom. subnud. — Dallimore, Holly Yew Box, 204 (1908).  
*Taxus baccata erecta semperaurea* hort. ex Beissner, Handb. Nadelh. ed. 2, 49 (1909). — Hort. ex Fitschen in Beissner, op. cit. ed. 3, 40 (1930).
- T. baccata f. lutea** (Endl.), grad. nov.  
*Taxus baccata* var. *fructu luteo* Loudon, Arb. Brit. 4: 2068 (1838).  
*Taxus baccata e. lutea* Endlicher, Syn. Conif. 243 (1847).  
*Taxus baccata* lb. *xanthocarpa* Kuntze, Taschenfl. Leipzig, 6 (1867).  
*Taxus baccata f. luteo-baccata* Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 115 (1903).
- T. baccata f. stricta** (Laws.), grad. nov.  
*Taxus fastigiata* Lindley, Syn. Brit. Fl. 241 (1829).  
*Taxus baccata* var. 2. *hibernica* Hooker ex Loudon, Hort. Brit. 404 (1830), nom. subnud.  
*Taxus baccata stricta* Lawson, Agric. Man. 398 (1836).  
*Taxus baccata* var. 2. *fastigiata* Loudon, Arb. Brit. 4: 2066 (1838). — Voss, Vilmor. Blumengärt. 1: 1243 (1896) "subsp. *vulgaris f.*".  
*Taxus hibernica* Hooker ex Loudon, l.c. (1838), pro syn.  
*Taxus communis hibernica* [Nelson], Pinac. 173 (1866).
- T. baccata "fastigiata aurea"** Sénéclauze, Conif. 188 (1868). — Standish ex Beissner, Handb. Nadelh. 170 (1891), non *T. baccata aurea* Carr.  
*Taxus communis* (var.) *hibernica* (subvar.) *aurea* [Nelson], Pinac. 173 (1866).  
*Taxus communis fastigiata aurea* [Nelson], Pinac. 219 (1866), pro syn.
- T. baccata "fastigiata variegata"** Hort. ex Lawson, List Pl. Fir Tribe, 82 (1851), non *T. b.* var. *variegata* Weston (1770).  
*Taxus baccata* (var.) *fastigiata* (subvar.) *variegata* Carrière, Traité Conif. 521 (1855).  
*Taxus baccata hibernica variegata* Hort. ex Henkel & Hochstetter, Syn. Nadelh. 356 (1865).  
*Taxus communis fastigiata variegata* Carrière ex [Nelson], Pinac. 219 (1866).
- T. baccata f. erecta** (Loud.) Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 115 (1903); in Mitt. Deutsch. Dendr. Ges. 1916(25): 13 [1917].  
*Taxus baccata* var. 4. *erecta* Loudon, Arb. Brit. 4: 2068 (1838). — Th. Moore in Proc. Hort. Soc. Lond. 1: 287 (1861).  
*Taxus baccata* var. *stricta* hort. ex Standish & Noble, Pract. Hints Orn. Trees, 103 (1852), non Lawson (1836).  
*Taxus baccata erecta Crowderi* Gordon, Pinet. Suppl. 98 (1858), pro syn.  
*Taxus communis erecta* [Nelson], Pinac. 172 (1866).  
*Taxus baccata Crowderi* R. Smith, Pl. Fir Tribe, 43 (1870).
- T. baccata f. pyramidalis** [Laws.] Beissner, Syst. Eintheil. Conif. 22 (1887). — Pilger in Mitt. Deutsch. Dendr. Ges. 1916(25): 13 [1917] "subsp. *eubaccata f. p.*".  
*Taxus baccata pyramidalis* Knight & Perry, Syn. Conif. 52 (1850), nom. — Hort. ex Lawson, List Pl. Fir Tribe, 83 (1851) "var." — Carrière Traité Conif. 519 (1855) "(f.)".  
*Taxus communis pyramidalis* [Nelson], Pinac. 173 (1866).  
*Taxus pyramidalis* Severin in Möller's Deutsch. Gärt.-Zeit. 41: 227, fig. (1926).
- T. baccata f. Dovastoniana** (Leighton) Rehder in Jour. Arnold Arb. 26: 67 (1945).  
*Taxus baccata* "Westfelton Yew" Loudon, Arb. Brit. 4: 2083, fig. 1990 (1838).  
*Taxus baccata* var. *β. Dovastoniana* Leighton, Fl. Shropshire, 497 (1841). — M. Lancaster in Jour. Kew Guild, 6, no. 48: 72 (1941).  
*Taxus baccata* var. *β. Dovastoni* Knight & Perry, Syn. Conif. 52 (1850), nom. — Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 227 (1850), nom. — Hort. ex Lawson, List Pl. Fir Tribe, 81 (1851) "var." — Hort. Angl. ex Carrière, Traité Conif. 518 (1855). — Voss, Vilmor. Blumengärt. 1: 1243 (1896) "subsp. *vulgaris f. dovastoni.*" — Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 114 (1903); in Mitt. Deutsch. Dendr. Ges. 1916(25): 11 "*f. Dovastonii.*" — Silva Tarouca, Uns. Freil.-Nadelh. 277, fig. 287 (1913).  
*Taxus disticha* Wenderoth, Pflanz. Bot. Gärt. 1 (Conif.): 42 (1851). — Henkel & Hochstetter, Syn. Nadelh. 354 (1865), pro syn.  
*Taxus Dovastoni* Hort., *T. imperialis* Hort., *T. pendula* Hort., *T. horizontalis* Hort., *T. umbraculifera* Hort., *T. baccata horizontalis* Hort. ex Henkel & Hochstetter, l. c. (1865), pro syn.
- T. baccata f. pendula** [Nelson] Pilger in Mitt. Deutsch. Dendr. Ges. 1916(25): 11 [1917] "subsp. *eubaccata f. p.*".  
*Taxus communis pendula* [Nelson], Pinac. 172 (1866).  
*Taxus baccata gracilis pendula* Lauche, Deutsch. Dendr. 47 (1880). — Gibbs in Jour. Hort. Soc. Lond. 51: 205, t. 52 (1926).  
*Taxus baccata pendula* Kent, Veitch's Man. Conif. 129 (1900).  
*Taxus baccata lus. gracilis* Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 275 (1913), non *T. com. gracilis* Nels. (1866).
- T. baccata f. expansa** (Carr.), grad. nov.  
*Taxus baccata expansa* Carrière, Traité Conif. ed. 2, 738 (1867).  
*Taxus baccata procumbens* Kent, Veitch's Man. Conif. 129 (1900), non Loudon (1838).  
*Taxus baccata prostrata* Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1933 (1907).

- Taxus baccata* subsp. *eubaccata* f. *procumbens* Pilger in Mitt. Deutsch. Dendr. Gaz. **1916** (25): 11 [1917], exclud. syn. Loudon.
- Taxus baccata* var. *pseudo-procumbens* Hornibrook, Dwarf Conif. ed. 2, 241 [1939].
- T. baccata** f. *repandens* (Parsons), grad. nov.
- Taxus baccata repandens* Parsons & Sons, Descr. Cat. Kissen Nurs. 92 (1887?). — Hort. ex Rehder in Bailey, Stand. Cycl. Hort. **6**: 3316 (1917); in Bailey, Cult. Everg. 187, t.11 (1923) "var." — Hornibrook, Dwarf Conif. 163 (1923) "var."
- Taxus cuspidata repandens* Hort. ex Hornibrook, l. c. (1923), pro syn.
- T. baccata** f. *linearis* (Carrière) Pilger in Engler, Pflanzenreich, IV. **5**(Heft 18): 115 (1903); in Mitt. Deutsch. Dendr. Ges. **1916**(25): 11 [1917] "subsp. *eubaccata* f. l."
- Taxus baccata linearis* Hort. ex Carrière, Traité Conif. ed. 2, 738 (1867). — Rosenthal ex Jensen in Gartenfl. **74**: 259, fig. (1925).
- T. baccata** f. *ericoides* (Carr.) Pilger in Mitt. Deutsch. Dendr. Ges. **1916**(25): 11 [1917] "subsp. *eubaccata* f. e."
- Taxus baccata ericoides* Carrière, Traité Conif. 519 (1855). — Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 139 (1932).
- Taxus ericoides* Hort. ex Carrière, l. c. (1855), pro syn.
- Taxus Mitchelii* Hort. ex Carrière, Traité Conif. 520 (1855).
- Taxus microphylla* Hort. ex Gordon, Pinet. 313 (1858), pro syn.
- Taxus baccata microphylla* Hort. ex Gordon, l. c. (1858), pro syn.; non Jacques ex Carrière (1855).
- Taxus Michellii* et *T. Mitchelii* Hort. ex Carrière, Traité Conif. ed. 2, 736 (1867), pro syn.
- Taxus empetrifolia* Hort. ex Gordon, Pinet. ed. 2, 390 (1875), pro syn.
- Taxus Mitschellii* C. de Vos, Handb. Boom. Heest. ed. 2, 259 (1887), pro syn.
- T. baccata** f. *adpressa* (Carrière) Beissner, Syst. Eintheil. Conif. 23 (1887).
- Cephalotaxus tardiva* Sieb. ex Endlicher, Syn. Conif. 239 (1847).
- Taxus adpressa* Hort. ex Loudon, Hort. Brit. Suppl. 647 (1850), nom. — Hort. ex Lindley & Gordon in Jour. Hort. Soc. Lond. **5**: 227 (1850), nom. — Carrière in Rev. Hort. **1855**: 93, fig. 8 (1855); Traité Conif. 520 (1855).
- Taxus tardiva* Hort. ex Knight & Perry, Syn. Conif. 52 (1850) "?", nom. — Lawson, List Pl. Fir Tribe, 80 (1851). — Parlatore in De Candolle, Prodr. **16**, 2: 502 (1868).
- Taxus parvifolia* Wenderoth, Pflanz. Bot. Gärt. **1**(Conif.): 42 (1851).
- Taxus baccata* (var.) *adpressa* Carrière in Rev. Hort. **1855**: 93, fig. 8 (1855). — Mottet, Conif. Taxac. 374, fig. 121 (1902).
- Taxus baccata microphylla* Jacques ex Carrière Traité Conif. 520 (1855).
- Taxus baccata tardiva* Wells in Proc. Hort. Soc. Lond. **3**: 306 (1863). — Voss, Vilmor. Blumengärt. **1**: 1243 (1896) "subsp. *t.*" — Pilger in Engler, Pflanzenreich, IV. **5** (Heft 18): 114 (1903) "f. *t.*" — Matsumura, Ind. Pl. Jap. **2**: 18 (1905) "subsp. *globosa* f. *t.*" — Pilger in Mitt. Deutsch. Dendr. Ges. **1916**(25): 10 [1917] "subsp. *eubaccata* f. *t.*"
- Verataxus adpressa* [Nelson], Pinac. 185 (1866), in indice tantum. — Carrière, Traité Conif. ed. 2, 731 (1867), pro syn.
- Taxus communis adpressa* Carr. ex [Nelson], Pinac. 218 (1866).
- Taxus brevifolia* Hort. ex Veitch, Man. Conif. 294 (1881), pro syn.; non Nuttall (1849).
- T. baccata** "*adpressa stricta*" Hort. ex Carrière, Traité Conif. ed. 2, 732 (1867), non *T. stricta* Lawson (1836).
- Taxus adpressa erecta* [Nelson], Pinac. 171 (1866), not *T. baccata erecta* Loudon (1838).
- Taxus adpressa stricta* R. Smith, Pl. Fir Tribe, 43 (187-?). — Maxwell in Horticulturist, **29**: 202 (1874). — Standish ex Gordon, Pinet. ed. 2, 387 (1875).
- Taxus baccata* subsp. *d. tardiva* f. *stricta* Voss, Vilmor. Blumengärt. **1**: 1243 (1896), non *T. baccata stricta* Lawson (1836).
- T. baccata** var. "*adpressa aurea*" [Masters in Kew Handlist Conif. ed. 2, 3 (1903), nom. —] Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 115 (1906), non *T. baccata aurea* Carrière (1867).
- Taxus baccata adpressa aurea* Beissner, Handb. Nadelh. ed. 2, 53 (1909).
- T. chinensis** (Pilger) Rehder in Jour. Arnold Arb. **1**: 51 (1919).
- Taxus baccata* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **7**: 103 (Pl. David. **1**: 293) (1884), non Linnaeus (1753).
- Taxus baccata* subsp. *cuspidata* var. *chinensis* Pilger in Engler, Pflanzenreich, IV. **5**(Heft 18): 112 (1903).
- Taxus cuspidata* var. *chinensis* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 276 (1913). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 8 (1914).
- Tsuga Mairei* Lemée & Léveillé in Monde Pl. sér. 2, **16**: 20 (1914).
- T. cuspidata** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **43**: 232 (Fl. Jap. Fam. Nat. **2**: 108) (1846).
- Cephalotaxus umbraculifera* Sieb. ex Endlicher, Syn. Conif. 239 (1847), "spec. dub."
- Taxus baccata cuspidata* Carrière, Traité Conif. ed. 2, 733 (1867). — Voss, Vilmor. Blumengärt. **1**: 1243 (1896) "subsp. *vulgaris* f. *c.*" — Pilger in Engler, Pflanzenreich, IV. **5**(Heft 18): 112 (1903) "subsp. *c.*"
- T. cuspidata** f. *nana* (Rehd.) Wilson, Conif. Taxads Jap. **13** (1916).
- Taxus cuspidata* var. *nana* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **4**: 1773 (1902).
- Taxus cuspidata* var. *brevifolia* Sieb. ex Lavallée, Arb. Segrez. 295 (1877), nom.
- Taxus baccata cuspidata brevifolia* Uphof in Möller's Deutsch. Gärt.-Zeit. **26**: 159 (1911), nom.
- Taxus cuspidata* var. *compacta* Bean, Trees & Shrubs Brit. Isls. **2**: 582 (1914).
- T. cuspidata** f. *Thayerae* (Wilson), grad. nov.
- Taxus cuspidata Thayerae* Wilson in Horticulture, **8**: 424, fig. (1930). — Hornibrook, Dwarf Conif. ed. 2, 244 (1939) "var."
- T. cuspidata** f. *densa* Rehder ex Wilson, Conif. Taxads Jap. **13** (1916).
- Taxus cuspidata* var. *densa* Rehder in Bailey, Stand. Cycl. Am. Hort. **6**: 3316 (1917, March). — Hornibrook, Dwarf Conif. 165, pl. (1923).

**Taxus** (continued)

- T. cuspidata** f. *minima* Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 142 (1932).  
*Taxus cuspidata* var. *minima* (Slavin) Hornibrook, Dwarf Conif. ed. 2, 243 (1939).
- T. cuspidata** f. *aurescens* Rehder in Jour. Arnold Arb. 1: 191 (1920).  
*Taxus tardiva aurea* Hort. ex Rehder, Man. Cult. Trees Shrubs, 4 (1927), pro syn.
- T. cuspidata** f. *luteo-baccata* (Miyabe & Tatewaki), grad. nov.  
*Taxus baccata cuspidata fructu luteo* Froebel ex Beissner, Handb. Nadelh. ed. 2, 51 (1909).  
*Taxus cuspidata fructo-aureo* Hatfield in Gard. Mag. 33: 24 (1921).  
*Taxus cuspidata* var. *luteo-baccata* Miyabe & Tatewaki in Trans. Sapporo Nat. Hist. Soc. 13: 377 (1934).
- T. media** (*T. baccata* × *cuspidata*) Rehder in Jour. Arnold Arb. 4: 107 (1923). — Wilson in Horticulture, n. ser., 3: 30, fig. (1925).
- T. media** f. *Hatfieldii* Rehder in op. cit. 4: 108 (1923).  
*Taxus* "Irish Yew" Hatfield in Gard. Mag. 33: 25 (1921).  
*Taxus media* var. *Hatfieldii* Wilson in Horticulture, n. ser., 3: 30, fig. (p.21) (1925).
- T. media** f. *Hicksii* Rehder, l. c. (1923).  
*Taxus cuspidata Hicksii* Hort. ex Rehder, l. c. (1923), pro syn.  
 ?*Taxus cuspidata fastigiata* Andorra Nurs. [Cat.] 1926: 21 (1926).
- T. Hunnewelliana** (*T. canadensis* × *cuspidata*) Rehder in Jour. Arnold Arb. 6: 201 (1925).
- T. canadensis** Marshall, Arbust. Am. 151 (1785). — Willdenow, Sp. Pl. 4: 2: 856 [1806].  
*Taxus procumbens* W. Young, Cat. Arb. Arbust. Am. 24 (1783), nom. — Loddiges Cat. 1836 ex Loudon, Arb. Brit. 4: 2067 (1838), pro syn.  
*Taxus baccata* β. *minor* Michaux, Fl. Bor.-Am. 2: 245 (1803). — Voss, Vilmor. Blumengärt. 1: 1243 (1896) "subsp. m."  
*Taxus baccata* var. 3. *procumbens* Loudon, Hort. Brit. 404 (1830).  
*Taxus baccata* var. *canadensis* Gray, Man. Bot. N. U. S. ed. 2, 425 (1856). — (Marsh.) Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 113 (1903) "subsp. c."  
*Taxus minor* (Michaux) Britton in Mem. Torrey Bot. Club, 5: 19 (1893).
- T. canadensis** f. *stricta* (Bailey), grad. nov.  
 ?*Taxus canadensis pyramidalis* Rinz in Gartenfl. 6: 334 (1857), nom. subnud. — Henkel & Hochstetter, Syn. Nadelh. 357 (1865) "var."; nom. subnud.  
*Taxus canadensis* var. *stricta* Hort. ex Bailey, Cult. Conif. 26 (1933).
- T. brevifolia** Nuttall, N. Am. Sylva, 3: 86, t. 108 (1849). — Sargent, Silva N. Am. 10: 65, t. 514 (1896).  
*Taxus baccata* var. *canadensis* sensu Bentham, Pl. Hartweg. 338 (1857), non Gray (1856).  
*Taxus Boursieri* Carrière in Rev. Hort. 1854: 228 (1854); Traité Conif. 523 (1855), pro syn.  
*Taxus Lindleyana* Lawson ex Carrière, Traité Conif. 523 (1855).  
*Taxus baccata* var. *a. brevifolia* (Nutt.) Koehne, Deutsche Dendr. 6 (1893). — Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 113 (1903) "subsp."

**TORREYA** Arnott in Ann. Mag. Nat. Hist. 1: 130 (1838). — Bentham & Hooker f. Gen. Pl. 3: 431 (1880). — Non Rafinesque (1818), nec Sprengel (1821), nec Eaton (1836). — NOM. CONSERV.; cf. Kew Bull. 1935: 519, no. 17 (1935); 1940: 89 (1940).

*Tumion* Rafinesque, Good Book Amen. Nat. 63 (1840).  
*Caryotaxus* Henkel & Hochstetter, Syn. Nadelh. 365 (1865).

*Foetotaxus* [Nelson], Pinac. 167 (1866).

Typus: *T. taxifolia* Arn.

**T. taxifolia** Arnott in Ann. Mag. Nat. Hist. 1: 130 (1838).  
*Taxus montana* sensu Nuttall in Jour. Acad. Nat. Sci. Philad., 7: 96 (1834); N. Am. Sylva, 3: 92 (1849); ed. 2, 2: 155 (1865), pro syn.; non Willdenow [1806].

*Caryotaxus taxifolia* Henkel & Hochstetter, Syn. Nadelh. 367 (1865).

*Foetotaxus montana* [Nelson], Pinac. 167 (1866).

*Tumion taxifolium* Greene in Pittonia, 2: 194 (1891). — Sargent, Silva N. Am. 10: 57, t. 512 (1896).

**T. grandis** Fortune in Gard. Chron. 1857: 788 (1857).  
*Caryotaxus grandis* Henkel & Hochstetter, Syn. Nadelh. 367 (1865).

*Tumion grande* Greene in Pittonia, 2: 194 (1891).

*Torreya nucifera* var. *grandis* (Fortune) Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 107 (1903).

**T. Fargesii** Franchet in Jour. de Bot. 13: 264 (1899).

**T. nucifera** (L.) Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 3: 234 (Fl. Jap. Fam. Nat. 2: 108) (1846).

*Taxus nucifera* Linnaeus, Sp. Pl. 1040 (1753).

*Podocarpus* (?) *nucifera* Persoon, Syn. Pl. 2: 633 (1807).

*Caryotaxus nucifera* Henkel & Hochstetter, Syn. Nadelh. 366 (1865).

*Foetotaxus nucifera* [Nelson], Pinac. 168 (1866).

*Tumion nuciferum* Greene in Pittonia, 2: 194 (1891).

**T. californica** Torrey in New York Jour. Pharm. 3: 49 (1854).

*Taxus Myristica* Hooker f. in Bot. Mag. 80: t. 4780 (1854).

*Caryotaxus Myristica* Henkel & Hochstetter, Syn. Nadelh. 368 (1865).

*Foetotaxus Myristica* [Nelson], Pinac. 168 (1866).

*Tumion californicum* (Torr.) Greene in Pittonia, 2: 195 (1891). — Sargent, Silva N. Am. 10: 59, t. 513 (1896).

Trib. 2. CEPHALOTAXEAE Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 38, 80 (1903) "subfam. *Taxoideae* trib. C."

[Taxaceen b. Cephalotaxeen Celakovsky in Abh. Math.-Nat. Cl. Böhm. Ges. Wiss. ser. 7, 4, 1: 39 (1890)].

*Cephalotaxaceae* F. W. Neger, Nadelh. 23, 30 (Samml. Göschel, No. 355) (1907). — Pilger in Bot. Jahrb. 54: 33 (1916).

**CEPHALOTAXUS** Siebold & Zuccarini ex Endlicher, Gen. Pl. Suppl. 2: 27 (1842). — Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 3: 234 (Fl. Jap. Fam. Nat. 2: 108) (1846).

LECTOTYPUS: *C. pedunculata* Sieb. & Zucc. = *C. Harringtonia* (Forb.) K. Koch.

**C. Harringtonia** (Forbes) K. Koch, Dendr. 2, 2: 102 (1873).  
*Taxus Harringtonia* Knight ex Forbes, Pinet. Woburn. 217, t. 63 (1839). — Loudon, Encycl. Trees, 942, fig. 1753, 1754 (1842).

*Taxus Inukaja* Knight ex Loudon, Encycl. Trees, 943

- (1842), nom. — Knight & Perry, Syn. Conif. Pl. 51 (1850), pro syn.
- Cephalotaxus pedunculata* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 234 (Fl. Jap. Fam. Nat. **2**: 108) (1846).
- Taxus Sinensis* Knight ex Gordon, Pinet. Suppl. 21 (1862), pro syn.
- Cephalotaxus drupacea* var. *β. pedunculata* (Sieb. & Zucc.) Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 169 (Prol. Fl. Jap. 333) (1867). — Wilson, Conif. Taxads Jap. 8 (1916). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 6 (1940).
- Cephalotaxus drupacea* var. *Harringtonia* Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 102 (1903).
- C. Harringtonia** f. *fastigiata* (Carr.), grad. nov.
- Podocarpus coraianus* Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. **1844**: 34 (1844), nom.
- Podocarpus koraiana* Endlicher, Syn. Conif. 217 (1847). — Carrière, Traité Conif. 464 (1855); in Rev. Hort. **1863**: 349, fig. (1863).
- Cephalotaxus koraiana* Hort. ex Gordon, Pinet. 275 (1858), pro syn. — Rothert in Ber. Deutsch. Bot. Ges. **17**: 277 (1899).
- Cephalotaxus pedunculata fastigiata* Carrière, Prod. Fix. Var. Végét. **44**, fig. 1 (1865); Traité Conif. ed. 2, 717 (1867).
- Cephalotaxus* ? *Buergeri* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 169 (Prol. Fl. Jap. 333) (1867).
- Cephalotaxus Harringtonia* lus. *koraiana* K. Koch ex Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 181 (1897).
- Cephalotaxus drupacea* f. *fastigiata* (Carr.) Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 103 (1903). — Wilson, Conif. Taxads Jap. 8 (1916), cum syn. aliis. — Hornibrook in Chittenden, Cult. Conif. Rep. Conif. Conf. 80 (1932) "var. *pedunculata* f."
- Cephalotaxus Harringtonia* var. *fastigiata* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 162, fig. 161 (1913).
- Cephalotaxus Harringtonia* var. *coraiana* Koidzumi in Bot. Mag. Tokyo, **44**: 98 (1930).
- C. Harringtonia** f. *sphaeralis* (Mast.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 213 [1916].
- Cephalotaxus pedunculata* var. *sphaeralis* Masters in Gard. Chron., n. ser. **21**: 113, fig. 23 (1884). — Beissner, Handb. Nadelh. 180 (1891).
- Cephalotaxus drupacea* f. *sphaeralis* (Mast.) Pilger in Engler, Pflanzenreich IV. 5 (Heft 18): 103 (1903) "var. *Harringtonia* f."; in Mitt. Deutsch. Dendr. Ges. **1916**(25): 22 [1917] "var."
- Cephalotaxus Harringtonia* var. *sphaeralis* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 162 (1913). — Rehder in Bailey, Stand. Cycl. Hort. **2**: 716 (1914).
- C. Harringtonia** var. *drupacea* (Sieb. & Zucc.) Koidzumi in Bot. Mag. Tokyo, **44**: 98 (1930).
- Taxus baccata* sensu Thunberg, Fl. Jap. 275 (1784), non Linnaeus (1753).
- Cephalotaxus drupacea* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 234 (Fl. Jap. Fam. Nat. **2**: 108) (1846). — Wilson, Conif. Taxads Jap. 7 (1916).
- Taxus coriacea* Hort. ex Knight & Perry, Syn. Conif. 51 (1850), pro syn.
- Cephalotaxus coriacea* Hort. ex Knight & Perry, l. c. (1850), pro syn.
- Podocarpus drupacea* Hort. ex Knight & Perry, l. c. (1850), pro syn.
- Podocarpus coriacea* Hort. ex Knight & Perry, l. c. (1850), pro syn.
- Cephalotaxus Fortunei foemina* Hort. ex Carrière, Traité Conif. 509 (1855). — Wilson, Conif. Taxads Jap. 7 (1916), pro syn.
- Taxus japonica* Hooker ex Gordon, Pinet. Suppl. 21 (1862), pro syn.
- Cephalotaxus foemina* Hort. ex Carrière, Traité Conif. ed. 2, 720 (1867), pro syn.
- C. Harringtonia** var. *nana* (Nakai) Rehder in Jour. Arnold Arb. **22**: 571 (1941).
- Cephalotaxus nana* Nakai in Bot. Mag. Tokyo, **33**: 193 (1919).
- Cephalotaxus drupacea* var. *nana* (Nakai) Rehder in Jour. Arnold Arb. **4**: 107 (1923).
- C. Harringtonia** var. *sinensis* (Rehd. & Wils.) Rehder in Jour. Arnold Arb. **22**: 571 (1941).
- Cephalotaxus drupacea* var. *sinensis* Rehder & Wilson in Sargent, Pl. Wilson. **2**: 3 (1914). — Pilger in Mitt. Deutsch. Dendr. Ges. **1916**(25): 22 [1917].
- C. Fortuni** Hooker in Bot. Mag. **76**: t. 4499 (1850). — Planchon in Fl. des Serr. **6**: 51, t. 555 (1850) "*Fortunei*." — Chien, Icon. Chin. For. Trees, **1**: t. 2 (1937), cum syn. aliis.
- Cephalotaxus Kaempferi* Anon. in Garten-Nachr. **1858**: 41 (1858).
- C. Oliveri** Masters in Bull. Herb. Boissier, **6**: 270 (1898).
- Trib. 3. **PODOCARPEAE** Benth. & Hooker f., Gen. Pl. **3**: 423 (1880).
- Taxineae* 3. *Podocarpeae* Reichenbach, Handb. Nat. Pflanzensyst. **15** (1837), exclud. *Salisburia*.
- Podocarpaceae* Horaninov, Char. Ess. Fam. Reg. Veg. **27** (1847). — F. W. Neger, Nadelh. **23**, 31 (in Samml. Götschen, No. **355**) (1907). — Pilger in Bot. Jahrb. **54**: 33 (1916).
- Podocarpeae* Endlicher, Syn. Conif. 203 (1847, pref. May). [Taxaceen c. *Podocarpeen* subtrib. *Eupodocarpeen* Celakovsky in Abh. Math.-Nat. Cl. Böhm. Ges. Wiss. ser. **7**, **41**: 91 (1890)].
- Taxaceae* subfam. *Podocarpoideae* Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 38 (1903).
- SAXEGOTHAEA** Lindley in Jour. Hort. Soc. Lond. **6**: 258 (1851) "*Saxe-gothaea*."
- Squamataxus* [Nelson], Pinac. 168 (1866).
- Typus: *S. conspicua* Lindl.
- S. conspicua** Lindley, l. c. (1851).
- Taxus Patagonica* Hort. ex Gordon, Pinet. 300 (1858), pro syn.
- Squamataxus Albertiana* [Nelson], Pinac. 168 (1866).
- PODOCARPUS** L'Héritier ex Persoon, Syn. Pl. **2**: 580 (1807), non L'Héritier ex Labillardière (1806). — Nom. CONSERV. cf. Règl. Intern. Nomencl. Bot. **72**, no. 13 (1906).
- Nageia* Gaertner, Fruct. Sem. **1**: 191, t. 39, fig. 8 (1788), p. p. — Kuntze, Rev. Gen. Pl. **2**: 798 (1891).
- Typus: *Taxus elongata* Ait. = *P. elongata* (Ait.) L'Hérit. ex Pers.
- P. macrophyllus** (Thunb.) Don in Lambert, Descr. Gen. Pinus, **2**: 22 (1824) "*macrophylla*."
- Taxus macrophylla* Thunberg, Fl. Jap. 276 (1784).
- Podocarpus longifolius* Hort. ex Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. **1844**: 35 (Kruidk. Naaml.) (1844), pro syn.



**Podocarpus macrophyllus** (*continued*)

*Nageia macrophylla* (Thunb.) Kuntze, Rev. Gen. Pl. 2: 800 (1891).

**P. macrophyllus** var. **Maki** Endlicher, Syn. Conif. 216 (1847) "*P. macrophylla* v. *Maki*." — Neumann in Rev. Hort. 1848: 41, t. (1848).

*Taxus chinensis* Roxburgh, Cat. Hort. Beng. 73 (1814), nom.

*Juniperus chinensis* Roxburgh, i. c. (1814), nom.; Flor. Ind. [ed. 2], 3: 840 (1832).

*Podocarpus chinensis* Sweet, Hort. Brit. 1: 371 (1827), nom. — Wallich, Num. List, no. 6051 (1832), nom. — Endlicher, Syn. Conif. 215 (1847). — Carrière, Traité Gén. Conif. 457 (1855). — Non Blume (1847).

*Podocarpus japonicus* Hort. Bog. ex Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. 1844: 35 (Kruidk. Naaml.) (1844), nom. nud.

*Podocarpus macrophyllus* β. *maki* Siebold, l.c. (1844), nom. subnud. — Pilger in Engler, Pflanzenreich, IV. 5 (Heft 18): 80 (1903) "subsp. m."

*Podocarpus macrophylla* Wall. β. *P. Maki* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 3: 232 (Fl. Jap. Fam. Nat. 2: 108) (1846), nom. subnud.

*Podocarpus Makoyi* Blume, Rumphia, 3: 215 (1847).

*Nageia macrophylla* var. *maki* (Endl.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 90 (1907).

**P. macrophyllus** var. **appressus** (Maxim.) Matsumura, Ind. Pl. Jap. 2, 1: 16 (1905) "*appressa*."

*Podocarpus appressa* Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 379 (in Mém. Biol. 7: 561. 1871) (1870). — Pilger in Engler, Pflanzenreich, IV. 5 (Helt 18): 92 (1903).

*Podocarpus chinensis* Wall. var. *appressa* (Maxim.) Matsumura, Shokub. Mei-i, 223 (1895).

**P. salignus** Don in Lambert, Descr. Gen. Pinus, 2: 20 (1824) "*saligna*."

*Podocarpus chilinus* L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 297 (1810), nom.; Comment. Conif. 11, t. 4, fig. 1 (1826).

*Podocarpus andina* Hort. ex [Masters] Kew Hand-List, ed. 2, 20 (1903), pro syn.; non Poeppig (1847).

*Nageia chilina* (Rich.) Kuntze, Rev. Gen. Pl. 2: 800 (1891).

**P. alpinus** [R. Br. ex Mirbel in Mém. Mus. Hist. Nat. Paris, 13: 75 (1825) "*alpina*"; nom. — Bennett, Pl. Rar. Jav. 40 (1838) "*alpina*"; nom. — Hooker f. in Lond. Jour. Bot. 4: 150 (1845) "*alpina*"; nom. — Endlicher, Syn. Conif. 214 (1847) "*alpina*"; nom.] Hooker f., Fl. Tasman. 1: 356 (1860) "*alpina*."

*Nageia alpina* (R. Br.) F. v. Mueller in Papers Roy. Soc. Tasman. 1879: 23 (1879).

**P. andinus** Poeppig in Endlicher, Syn. Conif. 219 (1847) "*andina*."

*Prumnopitys elegans* Philippi in Linnaea, 30: 731 (1847). *Nageia andina* (Poepp. ex Endl.) Kuntze, Rev. Gen. Pl. 2: 800 (1891).

Fam. **ARAUCARIACEAE**

ARAUCARIACEAE Strasburger, Conif. Gnet. 25 (1872), p. p. — Drude in Schenk, Handb. Bot. 3, 2: 411 (1887), p. p. — Pilger in Nat. Pflanzenfam. ed. 2, 13: 249 (1926).

*Dammara* Link in Abh. Akad. Wiss. Berlin, 1827: 157 (Fam. Pinus, 1827) (1830), nom. tentat, subnud.

*Coniferae* 3. *Araucarieae* Reichenbach, Handb. Nat. Pflanzen-syst. 168 (1837). — Bentham in Bentham & Hooker f., Gen. Pl. 3: 423 (1880), p. p.

*Coniferae-Abietineae-Araucarieae* Parlatore in De Candolle, Prodr. 16, 2: 363, 369 (1868).

*Coniferae-Pinoideae-Abietineae-Araucariinae* Eichler in Nat. Pflanzenfam. II. 1: 66 (1889).

*Coniferae* trib. *Araucarineae* Masters in Jour. Linn. Soc. Bot. 30: 24 (1895), p. p.

*Abietaceae* subfam. *Araucarioideae* trib. *Araucarieae* Vierhapper in Abh. Zool.-Bot. Ges. Wien, 5, 4: 24 (1910).

*Pinaceae* subfam. *Araucarineae* R. B. Thomson in Philos. Trans. Roy. Soc. Lond. ser. B., 204: 1 (1914).

**ARAUCARIA** Jussieu, Gen. Pl. 413 (1789). — Bentham & Hooker f., Gen. Pl. 3: 437 (1880).

*Dombeya* Lamarck, Encycl. Méth. Bot. 2: 301 (1786, Oct.), non L'Héritier (1786, Apr.), nec Cavanilles (1786); Nom. Conserv. cf. Règl. Intern.

*Eutassa* Salisbury in Trans. Linn. Soc. Lond. 8: 316 (1807). *Columbea* Salisbury in op. cit. 317 (1807).

Typus: *A. imbricata* Pavon = *A. araucana* (Mol.) K. Koch.

**A. araucana** (Molina) K. Koch, Dendr. 2, 2: 206 (1873).

*Pinus araucana* Molina, Saggio Stor. Nat. Chile, 182 (1782).

*Dombeya chilensis* Lamarck, Encycl. Méth. Bot. 2: 301 (1786).

*Araucaria imbricata* Pavon in Mem. Acad. Med. Madrid, 1: 199 (1797).

*Columbea quadrifaria* Salisbury in Trans. Linn. Soc. Lond. 8: 317 (1807).

Fam. **PINACEAE**

PINACEAE Lindley, Nat. Syst. Bot. ed. 2, 313 (1836), *Araucaria* exclud.; nom. altern.

*Coniferae* Scopoli, Fl. Carniol. 400 (1760, pref. June). — B. Jussieu, Ord. Nat. Hort. Trianon. lxx, 1759, in A. L. Jussieu, Gen. Pl. (1789), nom. subnud.; A. L. Jussieu, op. cit. 411 (1789), p. p. — Lindley, Introd. Nat. Syst. Bot. 247 (1830), p. p.

*Coniferae* b. *Pineae* Agardh, Aphor. Bot. 212 (1825), p. p. typ.

*Strobilaceae* Reichenbach, Consp. Reg. Veg. 1: 80 (1828), nom.

*Pineaceae* Horaninov, Prim. Lin. Syst. Nat. 45 (1834), p. p.

*Abietineae* Endlicher, Syn. Conif. 77 (1847), p. p. typ.

*Araucariaceae* Luerssen, Grundzüge Bot. 265 (1877) "subord." includ. fam. 75–79. — Drude in A. Schenk, Handb. Bot. 3, 2: 411 (1887) "fam.", p. p.

Subfam. ABIETOIDEAE Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 185 (1897), *Araucaria* exclud. — Saxton in New Phytol. 12: 253 (1913).

*Coniferae* sect. *Abietineae* Richard, Comm. Bot. Conif. 10 (1826). — Reichenbach, Handb. Nat. Pflanzen-syst. 168 (1837) "*Abietinae*."

*Abietineae* Spach, Hist. Nat. Vég. Phan. 11: 355 (1842).

*Abietinae* Presl, Wseob. Rostlin. 2: 1431 (1846), p. p. typ.

*Abietaceae* Walpers, Ann. Bot. 3: 446 (1853), exclud. *Dammara*. — Ascherson, Fl. Prov. Brandenb. 879 (1864).

— F. W. Neger, Nadelh. 24, 38 (Samml. Göschen, no. 355) (1907). — Vierhapper in Abh. Zool.-Bot. Ges. Wien, 5, 4: 24 (1910) "*A.* subfam. *Abietoidae* trib. *Sapineae* et trib. *Pineae*."

*Pinaceae* subfam. II. *Pinoideae* Pilger in Nat. Pflanzenfam. ed. 2, 13: 312 (1926).



- ABIES** Miller, Gard. Dict. abridg. ed., 1 (1754), p. p. typ.; Gard. Dict. ed. 8 (1768), p. p. typ. — Duhamel, Traité Arb. Arbust. 1: 1 (1755), p. p. typ. — Poiret, Encycl. Méth. Bot. 6: 509 (1804), p. p. — A. Dietrich, Fl. Berlin, 793 (1824). — Link in Abh. Akad. Wiss. Berlin, 1827: 181 (Fam. Pinus, 25, 1827) (1830). — NOM CONSERV. PROPOS. cf. Little in Madroño, 7: 244 (1944).\*
- Pinus* Linnaeus, Sp. Pl. 1000 (1753), p. p.
- Pinus-Abies* Weston, Bot. Univ. 1: 210 (1770), p. p.; nom. subnud.
- Pinus* II. *Abies* Münchhausen, Hausvat. 5: 222 (1770), p. p.
- Abies* §. II. "Sapin" De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 276 (1805).
- Peuce* L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810), p. p.
- Pinus* [group] *Peuce* Sweet, Hort. Brit. ed. 2, 475 (1830), p. p. — D. Don in Lambert, Descr. Pinus, 3: 47, sub *Pinus Pindrow*, p. [2] (1837) "sect."
- Abies* sect. *Abies nobilis* Koch, Syn. Fl. Germ. Helv. 667 (1837).
- Picea* D. Don ex Loudon, Arb. Brit. 4: 2329 (1838), non A. Dietrich (1824).
- Pinus* sect. *Abies* (Link) Koch, Syn. Germ. Helv. ed. 2, 2: 769 (1844). — Endlicher, Syn. Conif. 112 (1847). — Parlatores in De Candolle, Prodr. 16, 2: 418 (1868).
- Abies* sect. II. *Piceaster* Spach, Hist. Nat. Vég. Phan. 11: 414 (1842), inclus. *A. Pinsapo*.
- Abies* sect. III. *Peuce* (Sweet) Spach, op. cit. 11: 415 (1842).
- Picea* sect. I. *Bracteatae* et sect. II. *Brevibracteatae* Gordon, Pinet. 143, 154 (1858).
- Abies* § 1. *Picea* A. Murray, Pines Firs Japan, 39 (1863), exclus. *A. firma*.
- Abies* § 2. *Peucoides* A. Murray, op. cit. 53 (1863), inclus. *A. firma*.
- Abies* subgen. *Picea* (D. Don) K. Koch, Dendr. 2, 2: 208 (1873).
- Abies* [I] *Eubies*, [II] *Bracteatae*, [III] *Nobiles*, Sargent, Silva N. Am. 12: 103 (1898).
- Abies* sect. *Pseudopicea* Hickel in Bull. Soc. Dendr. France, 1908: 8, 179 (1908), inclus. *A. spectabilis* et *A. homolepis*.
- Abies* sect. *Pseudotorreya* Hickel, op. cit. 8, 181 (1908), inclus. *A. bracteata*.
- Abies* sect. *Elate* Hickel, op. cit. 8, 182 (1908).
- LECTOTYPUS: *Pinus Picea* L. = *A. alba* Mill.
- A. sibirica** Ledebour, Fl. Alt. 4: 202 (1833). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 520 (Rév. Abies, 342) (1929).
- Pinus Picea* sensu Pallas, Fl. Ross. 1, 1: 7, t. 1, fig. F (1784), non Linnaeus (1753).
- Pinus Pichta* Loddiges, Cat. 50 (1836), nom.? — Loudon, Arb. Brit. 4: 2338 (1838), pro syn. — Fischer ex Spach, Hist. Nat. Vég. Phan. 11: 420 (1842), pro syn. — Fischer ex Endlicher, Syn. Conif. 108 (1847).
- Picea Pichta* (Lodd.) Loudon, l. c. (1838); Encycl. Trees Shrubs, 1043, fig. 1951 (1842).
- Pinus sibirica* (Ledeb.) Turczaninov in Bull. Soc. Nat. Moscou, 1838[11]: 101 (1838). — Steudel, Nomencl. Bot. ed. 2, 338 (1841).
- Abies Pichta* Forbes, Pinet. Woburn. 113 (1839).
- Abies Semenovii* Fedtschenko in Bot. Centralbl. 73: 210 (1898).
- A. nephrolepis** (Trautv.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 10: 486 (1866). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 431 (Rév. Abies, 253) (1929).
- Abies sibirica* var. *nephrolepis* Trautvetter in Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 260 (Prim. Fl. Amur.) (1859).
- Abies Veitchii* sensu Masters in Jour. Linn. Soc. Bot. 18: 516 (1880), non Lindley.
- Abies gracilis* Komarov in Act. Hort. Petrop. 20: 203 (1901). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 364, fig. (Rév. Abies, 186) (1929).
- Abies sibirica* var. *gracilis* (Komar.) Patschke in Bot. Jahrb. 48: 643 (1913).
- Pinus nephrolepis* (Trautv.) Voss in Mitteil. Deutsch. Dendr. Ges. 1907(16): 94 [1908].
- A. nephrolepis** f. *chlorocarpa* Wilson in Jour. Arnold Arb. 1: 189 (1920). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 436 (Rév. Abies, 258) (1929) "var."
- A. sachalinensis** (Fr. Schmidt) Masters in Gard. Chron. n. ser., 12: 588 (1879).
- Abies homolepis* var. *Toknaiae* Carrière, Traité Conif. 216 (1855).
- Abies Veitchii* var. *sachalinensis* Fr. Schmidt in Mém. Acad. St. Pétersb. sér. 7, 12: 175 (1868).
- ?*Abies Akatodo* Miyabe ex Sargent in Gard. & For. 6: 525 (1893), nom. subnud.
- Pinus sachalinensis* (Fr. Schmidt) Voss in Putlitz & Meyer, Landlex. 4: 777 (1913).
- A. sachalinensis** var. *nemorensis* Mayr, Monog. Abiet. Jap. 42 (1890).
- Abies nemorensis* (Mayr) Miyabe & Miyake, Fl. Saghal. 598 (1915). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 426, fig. (Rév. Abies, 248) (1929).
- Abies Wilsonii* Miyabe & Kudo in Trans. Sapporo Nat. Hist. Soc. 7: 132 (1919).
- Abies nemorensis* var. *Wilsonii* (Miy. & Kudo) Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 430 (Rév. Abies, 252) (1929).
- Pinus sachalinensis* var. *nemorensis* (Mayr) Voss in Putlitz & Meyer, Landlex. 4: 777 (1913).
- A. sachalinensis** var. *β. Mayriana* Miyabe & Kudo in Trans. Sapporo Nat. Hist. Soc. 7: 131 (1919).
- Abies Mayriana* Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, 1: 9, t. 3, fig. 1-25, t. 4, fig. 1-19 (1920). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 419, fig. (Rév. Abies, 241) (1929).
- A. Veitchii** Lindley in Gard. Chron. 1861: 23 (1861). — Wilson, Conif. Taxads Jap. 60, t. 42, 43 (1916).
- Picea Veitchii* (Lindl.) Murray in Proc. Hort. Soc. Lond. 2: 347, fig. 52-62 (1862).
- Pinus solenolepis* Parlatores in De Candolle, Prodr. 16, 2: 427 (1868).
- Pinus* (*Abies*) *Veitchii* M'Nab in Proc. Roy. Irish Acad. ser. 2, 2: 686, t. 47, fig. 13 (1877).
- Abies Eichleri* Lauche in Garten-Zeit. 1: 63, t. (1882).
- Abies Nordmanniana* var. *Eichleri* (Lauche) Beissner, Syst. Eintheil. Conif. 42 (1887).
- Abies japonica* Parsons ex Sargent in Gard. & For. 6: 525 (1893), pro syn.
- Pinus nephrolepis* var. *Veitchii* (Lindl.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 94 [1908].
- Abies Veitchii* var. *reflexa* Koidzumi in Bot. Mag. Tokyo, 30: 327 (1916).

\* Conservation of the name *Abies* against *Abies* Trew is not necessary. *Abies* starts with Miller (1754) of which it represents the typical part and has priority over *Abies* Trew, Herb. Blackwell. Cent. 2 which was published after March, 1755, as the preface of Centuria 2 shows. *Abies* . . . Robbe of 1754 (see Little, l. c.) is not a generic name, but a prae-Linnaean polynomial of a species [*Picea Abies* (L.) Karsten].

*Abies* (continued)

- A. Veitchii** var. *olivacea* Shirasawa in Bot. Mag. Tokyo, 27: (132) (1913).
- A. Veitchii** var. *nikkoënsis* Mayr, Monog. Abiet. Jap. 39 (1890).
- A. koreana** Wilson in Jour. Arnold Arb. 1: 188 (1920). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 390, fig. (Rév. Abies, 212) (1929).
- A. Mariesii** Masters in Gard. Chron. n. ser. 12: 788, fig. 29 (1879). — Viguié & Gaussen in op. cit. 408, fig. (230) (1929).
- Pinus Mariesii* (Mast.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 94 [1908].
- A. Kawakamii** (Hayata) Ito, Encycl. Jap. 2: 167 (1916). — Hayata, Ic. Pl. Formos. 9: 108 (1920). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 386 (Rév. Abies, 208) (1929).
- Abies Mariesii* var. *Kawakamii* Hayata in Jour. Coll. Sci. Tokyo, 25, art. 19: 223, fig. 14 (Fl. Mont. Formos.) (1908).
- A. squamata** Masters in Gard. Chron. ser. 3, 39: 299, fig. (1906). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 527, fig. (Rév. Abies, 349) (1929).
- A. Fargesii** Franchet in Jour. de Bot. 13: 256 (1899). — Viguié & Gaussen in op. cit. 336, fig. (158) (1929).
- A. sutchuenensis** (Franch.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 48 (1914). — Viguié & Gaussen in op. cit. 537, fig. (359) (1929).
- Abies Fargesii* var. *sutchuenensis* Franchet in Jour. de Bot. 13: 256 (1899).
- A. Faxoniana** Rehder & Wilson in Sargent, Pl. Wilson. 2: 42 (1914). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 340, fig. (Rév. Abies, 162) (1929).
- Abies Delavayi* var. *Faxoniana* (Rehd. & Wils.) A. B. Jackson in Chittenden, Conif. Cult. Rep. Conif. Confer. 246, fig. 77 (1932).
- A. Georgei** Orr in Notes Bot. Gard. Edinb. 18: 1, t. 226 (1933). — E. L. Hillier in Jour. Hort. Soc. Lond. 66: 408, fig. 129 (1941).
- A. Fabri** (Mast.) Craib in Notes Bot. Gard. Edinb. 11: 278, fig. 164 (1919) "*Faberi*." — Stapf in Bot. Mag. 153: t. 9201, fig. 1-7, 9 (1927).
- Keteleeria Fabri* Masters in Jour. Linn. Soc. Lond. Bot. 26: 555 (1902).
- Abies Delavayi* sensu Masters in op. cit. 37: 422 (1906). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 328, fig. (Rév. Abies, 150) (1929). — Non Franchet (1899).
- Pinus Fabri* (Mast.) Voss in Putlitz & Meyer, Landlex. 4: 773 (1913).
- A. Forrestii** [C. C. Rogers in Gard. Chron. ser. 3, 65: 150, fig. (March, 1919), nom. subnud. —] Craib in Notes Bot. Gard. Edinb. 11: 279, t. 162 (Nov. 1919). — Viguié & Gaussen, Bull. Soc. Hist. Nat. Toulouse, 58: 351, fig. (Rév. Abies, 173) (1929).
- Abies Delavayi* var. *Forrestii* (C. C. Rogers) A. B. Jackson in Chittenden, Conif. Cult. Rep. Conif. Confer. 245, fig. 76 (1932).
- A. Ernesti** Rehder in Jour. Arnold Arb. 20: 85 (1939).
- Abies firma* sensu Masters in Jour. Linn. Soc. Lond. Bot. 37: 422 (1906), non Siebold & Zuccarini (1842).
- Abies Beissneriana* Rehder & Wilson in Sargent, Pl. Wilson. 2: 46 (1914). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 272, fig. (Rév. Abies, 94) (1929). — Non Mottet (1902).
- A. Delavayi** (Van Tiegh.) Franchet in Jour. de Bot. 13: 255 (1899). — Craib in Notes Bot. Gard. Edinb. 11: 278, t. 163 (1919).
- Keteleeria Delavayi* Van Tieghem in Bull. Soc. Bot. France, 38: 412 (1891).
- A. chensiensis** Van Tieghem in op. cit. 413 (1891). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 44 (1914).
- Abies firma* sensu Masters in Jour. Linn. Soc. Lond. Bot. 26: 557 (1902), quoad spec. e Shensi; non Siebold & Zuccarini (1842).
- Abies Shensiensis* Tieghem ex Hayata in Bot. Mag. Tokyo, 19: 50 (1905).
- A. recurvata** Masters in Jour. Linn. Soc. Lond. Bot. 37: 423 (1906). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 498, fig. (Rév. Abies, 320) (1929).
- A. firma** Siebold & Zuccarini, Fl. Jap. 2: 15, t. 107 (1842). — Wilson, Conif. Taxads Jap. 54, t. 35, 36 (1916). — Viguié & Gaussen in op. cit., 344, fig. (166) (1929).
- ?*Pinus Abies* Thunberg, Fl. Jap. 275 (1784), non Linnaeus (1753).
- ?*Pinus Thunbergii* Lambert, Descr. Pinus, pref. v. (1824), nom. nov.
- Abies momi* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12, 1: 12 (Syn. Pl. Oecon. Jap.) (1830), nom. nud.
- Abies bifida* Siebold & Zuccarini, Fl. Jap. 2: 18, t. 109 (1842).
- Pinus firma* (Sieb. & Zucc.) Antoine, Conif. 70, t. 27 (1846).
- Pinus bifida* (Sieb. & Zucc.) Antoine, op. cit. 79, t. 31 (1846).
- Picea firma* Gordon, Pinet. 147 (1858).
- Abies firma* var. *bifida* (Sieb. & Zucc.) Masters in Jour. Linn. Soc. Lond. Bot. 18: 514 (1881).
- Pinus momi* (Sieb.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 94 [1908].
- A. holophylla** Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 10: 487 (in Mém. Biol. 6: 22) (1866).
- Picea holophylla* (Maxim.) Gordon, Pinet. ed. 2, 206 (1876).
- Pinus holophylla* (Maxim.) Parlatore in De Candolle, Prodr. 16, 2: 424 (1868).
- A. homolepis** Siebold & Zuccarini, Fl. Jap. 2: 17, t. 108 (1842). — Wilson, Conif. Taxads Jap. 57 (1916). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 379, fig. (Rév. Abies, 201) (1929).
- Pinus homolepis* (Sieb. & Zucc.) Antoine, Conif. 78, t. 31, fig. 1 (1846).
- Picea homolepis* (Sieb. & Zucc.) Gordon, Pinet. 147 (1858).
- Abies Tschonoskiana* Regel in Ind. Sem. Hort. Petrop. 1865: 32 (1866), nom.
- Abies brachyphylla* Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 10: 488 (in Mém. Biol. 6: 23) (1866).
- Abies Finhonnoskiana* Robert Neumann Cat. ex Carrière, Traité Conif. ed. 2, 310 (1867), nom.; ? sphalm. pro *Tschonoskiana*.
- Pinus brachyphylla* (Maxim.) Parlatore in De Candolle Prodr. 16, 2: 431 (1868).
- Pinus Finhonnoskiana* Robt. Neumann Cat. 1865 ex Parlatore, l.c. (1868), nom. dub.
- Abies firma* var. *brachyphylla* (Maxim.) Bertrand in Bull. Soc. Philom. Paris, sér. 6, 9: 38 (1871).

- Picea brachyphylla* (Maxim.) Gordon, Pinet. ed. 2, 201 (1875).
- Pinus* (Abies) *Harryana* MacNab in Proc. Roy. Irish Acad. ser. 2, 2: 689, t. 47 (1877).
- A. homolepis f. Tomomi** (Rehd.), grad. nov.  
*Abies tomomi* Bobbink & Atkins [Cat. 1909], 13 (1909), nom.  
*Abies homolepis* var. *tomomi* Rehder in Jour. Arnold Arb. 1: 53 (1919).  
*Abies brachyphylla* var. *Tomomi* (Rehd.) Dallimore & Jackson, Handb. Conif. 88 (1923).
- A. homolepis var. umbellata** (Mayr) Wilson, Conif. Taxads Jap. 58, t. 39 (1916).  
*Abies umbellata* Mayr, Monog. Abiet. Jap. 34, t. 1, fig. 2 (1890). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 541 (Rév. Abies, 363) (1929).  
*Abies umbilicata* Mayr in Mitt. Deutsch. Dendr. Ges. 1894(3): 31 (1894).  
*Pinus umbilicata* (Mayr) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 94 [1908].  
*Abies brachyphylla* var. *umbellata* (Wilson) Dallimore & Jackson, Handb. Conif. 88 (1923).  
*Abies homolepis* f. *umbilicata* (Mayr) Schelle in Mitt. Deutsch. Dendr. Ges. 1924(34): 344 [1925]. — Fitschen in Beissner, Handb. Nadelh. ed. 3, 178 (1930) "var."
- A. spectabilis** (D. Don) Spach, Hist. Nat. Vég. Phan. 11: 422 (1842).  
*Pinus spectabilis* D. Don in Lambert, Descr. Pinus, 2: 3, t. 2 (1824); Prodr. Fl. Nepal. 55 (1825).  
*Pinus Webbiana* Wallich ex Lambert, Descr. Pinus, ed. 8°, 2: 77, t. 44 (1832).  
*Abies Webbiana* Lindley in Penny Cycl. 1: 30 (1833). — Hooker f., Fl. Brit. Ind. 5: 654 (1888).  
*Picea Webbiana* (Lindl.) Loudon, Arb. Brit. 4: 2344, fig. 2251-3 (1838).  
*Abies densa* Griffith, Notul. Pl. As. 4: 19 (1854).  
*Abies Mariesii* sensu Masters in Bot. Mag. 132: t. 8098 (1906); non Masters (1879), teste Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 750, 754 (1909).
- A. spectabilis var. brevifolia** (Henry) Rehder in Jour. Arnold Arb. 1: 54 (1919).  
*Abies Webbiana* var. *brevifolia* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 751 (1909).  
*Abies brevifolia* Henry ex Fitzpatrick in Sci. Proc. Roy. Dublin Soc. n. ser., 19: 207 (1929). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 293, fig. (Rév. Abies, 115) (1929).
- A. Pindrow** Royle, Ill. Bot. Himal. t. 86 (1836), p. 350 (1839). — Spach, Hist. Nat. Vég. Phan. 11: 423 (1842).  
*Taxus* ? *Lambertiana* Wallich, Num. List, no. 6056 [1832], nom.  
*Pinus Pindrow* D. Don in Lambert, Descr. Gen. Pinus, ed. 2, 3: 47, t. (1837); in Royle, Ill. Bot. Himal. 354 (1839), nom. altern.  
*Picea Pindrow* (D. Don) Loudon, Arb. Brit. 4: 2346, fig. 2254-5 (1838).  
*Picea Naphta* Loudon, Encycl. Trees Shrubs, 1053 (1842), nom. subnud.  
*Pinus naphta* Hort. ex Antoine, Conif. 80 (1847), nom.  
*Abies Webbiana* β. *A. Pindrow*, Brandis, For. Fl. Ind. 528 (1874).  
*Abies Webbiana* var. *Pindrow* Hooker f., Fl. Brit. Ind. 5: 655 (1887).  
*Abies Pindrau* (Spach) Mayr, Fremdl. Wald- & Parkb. 253, fig. 57 (1906).
- Pinus spectabilis* var. *pindrow* (Brandis) Voss in Putlitz & Meyer, Landlex. 4: 776 (1913).  
*Abies Lambertiana* (Wall.) Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 484 (Rév. Abies, 306) (1929), pro syn.
- A. Pindrow var. brevifolia** Dallimore & Jackson, Handb. Conif. 126, fig. 25 (1923).  
*Abies Gamblei* Hickel in Bull. Soc. Dendr. France, 1929: 38 (1929). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 362, fig. (Rév. Abies, 184) (1929).
- A. Pindrow var. intermedia** Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 756 (1909). — Gilliland in Jour. Hort. Soc. Lond. 68: 310 (1943) "*A. Pindrow* × *spectabilis*."
- Pinus* (Abies) sp. nov.(?) M'Nab in Proc. Roy. Irish Acad. ser. 2, 2: 692, t. 48, fig. 19 (1876).
- A. numidica** De Lannoy ex Carrière in Rev. Hort. 1866: 106 (March 1866).  
 ?*Pinus Abies Africana* Münchhausen, Hausvat. 5: 226 (1770), nom.  
*Abies Pinsapo* var. *baborensis* Cosson in Bull. Soc. Bot. France, 8: 607 (1861), nom. (Exsicc. 1861. Pl. Alger. Sel. Letourneux no. 44); in Rev. Hort. 1866: 144 (Apr. 1866).  
*Pinus Pinsapo* b. *Baborensis* (Cosson) Christ in Bot. Zeit. 23: 215 (1865).  
*Abies Baborensis* Cosson in Rev. Hort. 1866: 182 (May 1866). — Carrière in Rev. Hort. 1866: 203 (1866) "*Baboriensis*," pro syn. — Letourneux, Cat. Arb. Arbust. Alger. 32 (1888).  
*Picea numidica* R. Smith, Pl. Fir Tribe, 26 (1875?). — Gordon, Pinet. ed. 2, 220 (1875).  
*Abies Pinsapo* var. *numidica* [Carr.] Salomon, Deutschl. Bäume Sträuch. 26 (1884).  
*Pinus* (Abies) *Baborensis* MacNab in Proc. Roy. Irish Acad. ser. 2, 2: 697, t. 48, fig. 27 (1877). — Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 94 [1908] "*baboriensis*."
- A. Pardei** Gaussen in Bull. Soc. Hist. Nat. Toulouse, 57: 358 (1929); Viguié & Gaussen in op. cit. 58: 462, fig., 563 (Rév. Abies, 284) (1929).  
*Abies numidica* sensu Pardé, Icon. Conif. livr. 6, t. 20, fig. 3,7,16-19 (1914), non Carrière (1866).
- A. Pinsapo** Boissier in Bibl. Univ. Genève, n. sér., 13: 402, 406 (1838, March); Voy. Bot. Espagne, 1: 205, t. 167-9 (1839-40); 2: 584 (1845).  
*Pinus Pinsapo* (Boiss.) Antoine, Conif. 65, t. 26, fig. 2 (1840).  
*Picea Pinsapo* (Boiss.) Loudon, Encycl. Trees Shrubs, 1041 (1842).  
*Abies hispanica* De Chambray, Traité Prat. Arb. Conif. 339 (1845).  
*Picea acicularis* Wenderoth, Pflanz. Bot. Gärt. i. Conif. 59 (1851), pro syn.  
*Pinus sapo* d'Ounous, Arb. Arbust. Orn. 33 (1861).  
*Abies Pinsapo* a. *hispanica* Christ in Bot. Zeit. 23: 215 (1865).
- A. Pinsapo f. argentea** (Nels.), grad. nov.  
*Picea Pinsapo argentea* [Nelson], Pinac. 201 (1866).  
*Abies Pinsapo argentea* Hort. ex Beissner, Handb. Nadelh. 446 (1891).  
*Pinus Pinsapo* f. *argentea* (Beiss.) Voss in Putlitz & Meyer, Landlex. 4: 775 (1913).
- A. Pinsapo f. glauca** (Carr.) Beissner, Syst. Einth. Conif. 43 (1887); Handb. Nadelh. 69 (1891) "*A. P. g.*"

**Abies Pinsapo f. glauca** (*continued*)

- Abies pinsapo glauca* Carrière, *Traité Conif.* ed. 2, 304 (1867). — Schneider in *Silva Tarouca*, *Uns. Freil.-Nadelh.* 68, fig. (1913) "var."
- Picea pinsapo glauca* Hort. ex Gordon, *Pinet.* ed. 2, 427 (1875).
- Pinus pinsapo f. glauca* (Beiss.) Voss in Putlitz & Meyer, *Landlex.* 4: 775 (1913).
- A. Pinsapo f. pendula** (Beiss.) Voss, *Vilmor. Blumengärt.* ed. 3, 1: 1239 (1896).
- Abies Pinsapo pendula* Hort. ex Beissner, *Handb. Nadelh.* 446 (1891). — Schneider in *Silva Tarouca*, *Uns. Freil.-Nadelh.* 154, fig. 148 (1913) "var."
- A. Vilmorini** (*A. cephalonica* × *Pinsapo*) Masters in *Jour. Hort. Soc. Lond.* 26: 108, fig. 32, 33 (1901).
- A. insignis** (*A. Nordmanniana* × *Pinsapo*) Carrière ex Bailly in *Rev. Hort.* 1890: 230 (1890).
- ?*Abies pseudopinsapo* Carrière in *Rev. Hort.* 1879: 444, 474 (1879), nom. subnud.
- Pinus insignis* (Carr.) Voss in Putlitz & Meyer, *Landlex.* 4: 774, 775 (1913), non Douglas (1838).
- A. insignis f. Beissneriana** (Mottet) Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 14 (1940).
- Abies Beissneriana* Mottet in *Rev. Hort.* 1902: 163 (1902).
- Abies insignis* var. *Beissneriana* (Mottet) Rehder in *Jour. Arnold Arb.* 1: 54 (1919).
- A. insignis f. Kentiana** (Mottet), Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 14 (1940).
- Abies Kentiana* Mottet, l. c. (1902).
- Abies insignis* var. *Kentiana* (Mottet) Rehder in *Jour. Arnold Arb.* 1: 54 (1919).
- A. insignis f. Mastersiana** (Mottet) Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 14 (1940).
- Abies Mastersiana* Mottet in *Rev. Hort.* 1902: 163 (1902).
- Abies insignis* var. *Mastersiana* (Mottet) Rehder in *Jour. Arnold Arb.* 1: 54 (1919).
- A. insignis f. speciosa** (Bailly) Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 14 (1940).
- Abies Nordmanniana speciosa* Hort. ex Bailly in *Rev. Hort.* 1890: 239 (1890).
- Abies insignis* var. *speciosa* (Bailly) Rehder in *Jour. Arnold Arb.* 1: 54 (1919).
- A. marocana** Trabut in *Bull. Soc. Bot. France*, 53: 154, t. 3 (1906). — Guinier & Maire in *Bull. Soc. Bot. France*, 55: 192 (1908) "maroccana."
- Picea marocana* Trabut, l. c. (1906), in tab.
- Abies Pinsapo* var. *maroccana* (Trabut) Cetellos & Bolanos in *Servicio For. Invest. Exper.* 2: 18, fig. 15–17 (1928). — Emberger & Maire ex P. Font Quer in *Bol. Soc. Españ. Hist. Nat.* 35: 135 (1935) "subsp."
- A. cephalonica** Loudon in *Gard. Mag. (Loudon)* n. ser., 4: 81, fig. 6, 7 (1838); *Arb. Brit.* 4: 2325, fig. 2235–6 (1838). — Mattfeld in *Mitt. Deutsch. Dendr. Ges.* 1925(35): 29, t. 2, 3, 8 (1925).
- Abies luscombeana* Hort. ex Loudon, *Arb. Brit.* 4: 2325 (1838), pro syn.
- Picea cephalonica* Loudon in *Gard. Mag. (Loudon)*, n. ser., 5: 238, fig. 49–52 (1839); *Encycl. Trees Shrubs*, 1039, fig. 40–46 (1842).
- Pinus cephalonica* (Loud.) Endlicher, *Cat. Hort. Vindob.* 1: 218 (1842); *Syn. Conif.* 98 (1847).
- Pinus picea* L. var. *graeca* Fraas, *Syn. Pl. Fl. Class.* 265 (1845).
- Abies pectinata* var. *graeca* Fraas, op. cit. 262 (1845), nom.
- Picea kukunaria* Wenderoth, *Pflanz. Bot. Gärt. i. Conif.* 11 (1851).
- Abies Reginae Amaliae* Heldreich in *Gartenfl.* 9: 313 (1860).
- Abies peloponnesiaca* Haage *Cat.* 1859 ex Heldreich in *Gartenfl.* 9: 313 (1860), pro syn. — Van Geert ex [K. Koch] in *Wochenschr. Ver. Beförd. Gartenb. Preuss.* 6: 119 (1863), pro syn.
- Abies panachaica* Heldreich in *Gartenfl.* 10: 286 (1861).
- Pinus Abies Du Roi d. panachaica* Heldr. in sched. ex Christ in *Verh. Naturf. Ges. Basel*, 3: 544 (1863).
- Pinus Abies Du Roi e. cephalonica* (Loud.) Christ, l. c. (1863).
- Abies pectinata* β. *Reginae Amaliae* in *Cat. Sem. Hort. Vratislav.* (1863) ex Mattfeld in *Mitt. Deutsch. Dendr. Ges.* 1925(35): 30 (1925), pro syn.
- Picea cephalonica* var. *P. panachaica* (Heldr.) Lindley in [Ravenscroft], *Pinet. Brit.* 2: 175 [1863].
- Picea Apollinis* var. *P. Reginae Amaliae* (Heldr.) A. Murray in [Ravenscroft], *Pinet. Brit.* 2: 167 [1864].
- Picea Apollinis* var. *P. peloponnesiaca* (Haage) A. Murray in [Ravenscroft], *Pinet. Brit.* 2: 167 [1864], nom.
- Abies cephalonica* β. *arcadica* Henkel & Hochstetter, *Syn. Nadelh.* 182 (1865).
- Pinus peloponnesiaca* Hort. ex Henkel & Hochstetter, l. c. 1865, pro syn. sub "*A. cephalonica* β. *arcadica*."
- Pinus Abies b. graeca a. cephalonica* Christ in *Bot. Zeit.* 23: 214 (1865).
- Pinus Abies* β. *cephalonica* (Loud.) Parlatore in *De Candolle, Prodr.* 16, 2: 422 (1868).
- Abies Apollinis* β. *panachaica* (Heldr.) Boissier, *Fl. Or.* 5: 702 (1884).
- Abies Apollinis* γ. *Reginae Amaliae* Boissier, l. c. (1884).
- Abies alba* b. *cephalonica* (Loud.) Richter, *Pl. Eur.* 1: 5 (1890).
- Abies cephalonica* var. *Reginae Amaliae* (Heldr.) Beissner, *Handb. Nadelh.* 441 (1891).
- Pinus cephalonica* var. *Reginae Amaliae* (Heldr.) Voss in Putlitz & Meyer, *Landlex.* 4: 774 (1913).
- Abies pectinata* γ. *cephalonica* Mattfeld in *Mitt. Deutsch. Dendr. Ges.* 1925(35): 30 (1925), pro syn.
- Abies cephalonica* var. *peloponnesiaca* (Haage) Pardé ex Viguié & Gaussen in *Bull. Soc. Hist. Nat. Toulouse*, 58: 307, fig. 1", 2", 3" (Rév. *Abies*, 129) (1929).
- A. cephalonica** var. *Apollinis* (Link) Beissner, *Syst. Eintheil. Conif.* 43 (1887); *Handb. Nadelh.* 440 (1891).
- Abies Apollinis* Link in *Linnaea*, 15: 528 (1841).
- Pinus Apollinis* (Link) Antoine, *Conif.* 73 (1844).
- Pinus Abies* b. *Apollinis* (Link) Endlicher, *Syn. Conif.* 96 (1847).
- Abies heterophylla* K. Koch in *Linnaea*, 22: 295 (1849); *Dendr.* 2, 2: 224 (1873), pro syn.
- Abies Picea* (b) *Apollinis* (Link) Lindley & Gordon in *Jour. Hort. Soc. Lond.* 5: 210 (1850).
- Picea Apollinis* Rauch ex Gordon, *Pinet. Suppl.* 44 (1862).
- Abies cephalonica* a. *parnassica* Henkel & Hochstetter, *Syn. Nadelh.* 181 (1865).
- Pinus Abies* b. *graeca* β. *Apollinis* (Link) Christ in *Bot. Zeit.* 23: 214 (1865).
- A. Borisii-regis** Mattfeld in *Notizbl. Bot. Gart. Mus. Berlin*, 9: 235 (1925); in *Mitt. Deutsch. Dendr. Ges.* 1925(35): 26, t. 1, fig. 7, t. 4, 5 (1925).
- Abies alba* var. *acutifolia* Turrill in *Kew Bull.* 1925: 34 (1925).
- A. Bornmuelleriana** Mattfeld in *Notizbl. Bot. Gart. Mus. Berlin* 9: 239 (1925); in *Mitt. Deutsch. Dendr. Ges.* 1925(35): 24 (1925).

- Pinus leioclada* Steven in Bull. Soc. Nat. Moscou, 1838 [11]: 44 (1838), nom. provis.
- Pinus Abies* Du Roi c. *leioclada* (Stev.) Endlicher, Syn. Conif. 96 (1847). — K. Koch in Linnaea, 22: 295 (1849) "β. *leioclada*."
- Pinus Picea* (L.) β. *leioclada* (Stev.) Ledebour, Fl. Ross. 3: 669 (1850).
- Abies Picea* c. *leioclada* (Stev.) Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 210 (1850).
- Abies pectinata leioclada* Carrière, Traité Conif. 207 (1855). — Tchihatcheff, Asie Min. 2: 494 (1866) "var."
- Picea pectinata leioclada* Gordon, Pinet. 152 (1858), exclud. syn. *A. cilicica*.
- Abies Nordmanniana* var. *leioclada* (C. Koch) Czeiczott in Repert. Sp. Nov. Reg. Veg. Beih. 107,2: 257 (1939).
- A. nebrodensis** (Lojac.) Mattei in Boll. Ort. Bot. Palermo, 7: 59 (1908). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 422, fig. (Rév. Abies, 244) (1929).
- Abies pectinata* var. *nebrodensis* Lojacono-Pojero, Fl. Sicul. 2,2: 401 (1907).
- A. cilicica** (Ant. & Kotschy) Carrière, Traité Conif. 229 (1855). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, 58: 311, fig. (Rév. Abies, 133) (1929).
- Pinus cilicica* Antoine & Kotschy in Oester. Bot. Wochenbl. 3: 409 (1853). — Rauch ex Gordon, Pinet. Suppl. 50 (1862).
- Abies selinusia* Carrière in Fl. des Serr. 11: 69 (1856), nom. provis.
- Abies Tchugatskoi* Lawson ex Gordon, Pinet. Suppl. 50 (1862), pro syn.
- Pinus Tchugatskoi* Fischer ex Henkel & Hochstetter, Syn. Nadelh. 157 (1865), pro syn.
- Abies Kotschyana* Fenzl mss. ex Tchihatcheff, Asie Min. Bot. 2: 495 (1866), nom.
- A. Nordmanniana** (Stev.) Spach, Hist. Nat. Vég. Phan. 11: 418 (1842). — Mattfeld in Mitt. Deutsch. Dendr. Ges. 1925(35): 22, t. (1925).
- Pinus Nordmanniana* Steven in Bull. Soc. Nat. Moscou, 1838 [11]: 45, t. 2 (1838); in Ann. Sci. Nat. Bot. sér. 2, 11: 56 (1839) "*P. Nordmannia*."
- Picea Nordmanniana* (Stev.) Loudon, Encycl. Trees Shrubs, 1042, fig. 1950 (1842).
- Abies candicans* Fischer ex Henkel & Hochstetter, Syn. Nadelh. 173 (1865), pro syn.
- Pinus Abies* var. *Nordmanniana* Parl. ex F. v. Mueller in Ann. Rep. Victoria Accl. Soc. 1870-71: 36 (Princip. Timber Trees, 8) (1871).
- Abies Nordmanniana* var. *Eichleri* Hort. ex Beissner, Syst. Eintheil. Conif. 42 (1887), p. p.; non *A. Eichleri* Lauche.
- A. Nordmanniana f. aurea** (Beiss.), grad. nov.
- Abies Nordmanniana aurea* Hort. ex Beissner, Handb. Nadelh. 437 (1891).
- A. Nordmanniana f. tortifolia** Rehder in Jour. Arnold Arb. 4: 109 (1923); in Bailey, Cult. Evergr. 259 (1923) "var."
- A. alba** Miller, Gard. Dict., ed. 8, A. no.1 (1768).
- Pinus Picea* Linnaeus, Sp. Pl. 1001 (1753).
- Pinus-Abies alba* Weston, Bot. Univ. 1: 210 (1770).
- Pinus Abies* Du Roi, Obs. Bot. 39 (1771), non Linnaeus (1753).
- Pinus pectinatus* Lamarck, Fl. Franç. 2: 202 (1778).
- Abies minor* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 412 (1792).
- Pinus lucida* Salisbury, Prodr. Stirp. Chap. Allert. 399 (1796).
- Abies taxifolia* Desfontaines, Tabl. École Bot. Mus. Hist. Nat. 216 (1804). — Villars, Cat. Méth. Pl. Jard. Strasbourg, 378 (1807). — Non Poiret (1804).
- Abies vulgaris* Poiret, Encycl. Méth. Bot. 6: 514 (1804).
- Abies pectinata* De Candolle in Lamarck & De Candolle, Fl. Franç., ed. 3, 3: 275 (1805), non Gilibert (1792), nec Poiret (1804).
- Peuce Abies* A. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810).
- Abies nobilis* A. Dietrich, Fl. Geg. Berlin, 793 (1824).
- Abies Picea* Bluff & Fingerhut, Comp. Fl. Germ. 2: 541 (1825). — Lindley in Penny Cycl. 1: 29 (1833). — Non Miller (1768).
- Abies excelsa* Link in Abh. Akad. Wiss. Berlin, 1827: 182 (Fam. Pinus, 26. 1827) (1830), non Poiret (1805).
- Picea pectinata* (DC.) Loudon, Arb. Brit. 4: 2329 (1838).
- Abies argentea* De Chambray, Traité Prat. Arb. Rés. 17, t. (1845).
- Picea excelsa* Wenderoth, Pflanz. Bot. Gärt. i. Conif. 11 (1851), non Link (1841).
- Pinus Abies* a. *pectinata* (DC.) Christ in Verh. Naturf. Ges. Basel, 3: 542 (1863).
- A. alba f. compacta** (Parsons) Rehder in Jour. Arnold Arb. 6: 204 (1925).
- Picea pectinata compacta* S. P. Parsons & Son, Descr. Cat. Trees Shrubs, 65 [1887?].
- Abies pectinata compacta* (Parsons) Beissner in Mitt. Deutsch. Dendr. Ges. 1899(8): 108 (1899).
- Abies alba* var. *compacta* Rehder, Man. Cult. Trees Shrubs, 34 (1927).
- A. alba f. pendula** (Carr.), grad. nov.
- Pinus Abies* var. *pendula* Lawson, List Pl. Fir Tribe, 10 (1851), nom.
- Picea pectinata pendula* Godefroy ex Knight & Perry, Syn. Conif. 38 (1850), nom. — Godefroy ex Gordon, Pinet. 153 (1858).
- Abies pectinata pendula* Hort. ex Carrière, Traité Conif. 207 (1855). — Conwentz in Abh. Landesk. Prov. Westpreuss. 9: 161 (1895) "f."
- Abies alba* lus. *pendula* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 191 (1897). — Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1934 (1907) "var."
- Pinus picea* f. *pendula* (Gord.) Voss in Putlitz & Meyer, Landlex. 4: 774 (1913).
- A. alba f. pyramidalis** [Carr.] Voss, Vilmor. Blumengärt. 1: 1237 (1896). — Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1934 (1907) "var."
- Pinus Abies* Du Roi var. *pyramidalis* Lawson, Pl. Fir Tribe, 11 (1851), nom.
- Abies pectinata pyramidalis* Hort. ex Carrière, Traité Conif. 207 (1855).
- Picea pectinata pyramidalis* Hort. ex Gordon, Pinet. 152 (1858).
- Abies alba* lus. *fastigiata* Hort. ex Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 192 (1897).
- Pinus Picea* L. f. *pyramidalis* Voss in Putlitz & Meyer, Landlex. 4: 774 (1913).
- A. alba f. columnaris** (Carr.) Rehder in Jour. Arnold Arb. 1: 55 (1919).
- Abies pectinata columnaris* Carrière in Rev. Hort. 1859: 39 (1859); Traité Conif. ed. 2, 282 (1867).
- Pinus Picea* L. f. *columnaris* (Carr.) Voss in Putlitz & Meyer, Landlex. 4: 774 (1913).
- Abies alba* var. *columnaris* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 151 (1913).

**Abies** (continued)

- A. Fraseri** (Pursh) Poiret, Encycl. Méth. Bot. Suppl. **5**: 35 (1817). — Sargent, Silva N. Am. **12**: 105, t. 609 (1898).  
*Pinus Fraseri* Pursh, Fl. Am. Sept. **2**: 639 (1814).  
*Pinus balsamea* β. *Fraseri* (Pursh) Nuttall, Gen. N. Am. Pl. **2**: 223 (1818).  
*Picea Fraseri* (Pursh) Loudon, Arb. Brit. **4**: 2340, fig. 2243–44 (1838).  
*Abies balsamea* β. *Fraseri* Spach, Hist. Nat. Vég. Phan. **11**: 422 (1842).  
*Abies americana* Provencher, Fl. Canad. 556 (1862), p. p.; non Miller (1768).  
*Picea balsamea Fraseri* (Lindl.) [Nelson], Pinac. 179 (1866).  
*Abies Fraserea* Alphand, Arb. Fleur. Paris; Descript. 21 (1875).
- A. Fraseri** f. *prostrata* Rehder in Jour. Arnold Arb. **9**: 30 (1928). — Hornibrook, Dwarf Conif. ed. 2, 25 (1939) "var."
- A. balsamea** (L.) Miller, Gard. Dict. ed. 8, A. no. 3 (1768). — Sargent, Silva N. Am. **12**: 107, t. 610 (1898).  
*Pinus balsamea* Linnaeus, Sp. Pl. 1002 (1753).  
*Pinus-Abies balsamea* Weston, Bot. Univ. **1**: 211 (1770). — Marshall, Arbust. Am. 102 (1785).  
*Pinus Abies balsamea* Münchenhausen, Hausvat. **5**: 222 (1770).  
*Pinus taxifolia* Salisbury, Prodr. Stirp. Chap. Allert. 399 (1796).  
*Abies balsamifera* Michaux, Fl. Bor.-Am. **2**: 207 (1803).  
*Pinus balsamifera* Aiton ex Michaux, l. c. (1803), pro syn.; sphalm.  
*Peuce balsamea* C. L. Richard in Ann. Mus. Hist. Nat. Paris, **16**: 298 (1810).  
*Picea balsamea* (L.) Loudon, Arb. Brit. **4**: 2339, fig. 2240–42 (1838).  
*Abies balsamea* var. *brachylepis* Willkomm in Del. Sem. Hort. Dorpat. (1863); Forstl. Fl. 89 (1875).
- A. balsamea** f. *phanerolepis* (Fern.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 16 (1940).  
*Abies americana* Provencher, Fl. Canad. 556 (1862), p. p.; non Miller (1768).  
*Abies balsamea* var. *phanerolepis* Fernald in Rhodora, **11**: 203 (1909).  
*Abies intermedia* Fulling in Castanea, **1**: 93, fig. 1 (1936), non Saporta (1882).
- A. balsamea** f. *hudsonia* [Bosc ex Jacques] Fernald & Weatherby in Rhodora, **34**: 190 (1932) "(Bosc)."  
*Abies hudsonia* Bosc ex Jacques in Jour. Soc. Agron. Prat. **1829**: 199 (1829); Monog. Fam. Conif. 65 (1837).  
*Picea Fraseri hudsonia* (Bosc) Knight & Perry, Syn. Conif. 39 (1850).  
*Picea balsamea prostrata* Hort. ex Knight & Perry, l. c. (1850), nom.  
*Abies Fraseri* (β) *nana* Lindley & Gordon in Jour. Hort. Soc. Lond. **5**: 209 (1850).  
*Picea Hudsoni* Hort. Angl. ex Wenderoth, Pflanz. Bot. Gärt. i. Conif. 59 (1851).  
*Pinus Fraseri* var. *hudsonica* Lawson, Pl. Fir Tribe, 12 (1851), nom.  
*Abies Fraseri* var. *Hudsoni* Carrière, Traité Conif. 200 (1855).  
*Abies Fraseri* var. *Hudsonia* (Bosc) Carrière in Jacques & Herincq, Man. Pl. **4**: 336 (1857).  
*Abies prostrata* Hort. ex Carrière, l. c. (1857), pro syn.  
*Pinus Fraseri hudsoniana* Rinz in Gartenfl. **6**: 334 (1857).
- Pinus Fraseri Hudsonica* Knight ex Gordon, Pinet. 148 (1858).  
*Abies Fraseri hudsonica* (Bosc) Henkel & Hochstetter, Syn. Nadelh. 170 (1865).  
*Picea balsamea Hudsonica* (Bosc) [Nelson], Pinac. 179 (1866).  
*Abies Hudsoniana* Vos, Bered. Woordenb. Heest. Conif. 170 (1867).  
*Abies balsamea* var. *hudsonica* (Engelm.) Veitch, Man. Conif. 83 (1881). — R. E. Fries in Lustgård. **1925**: 57, fig. 7 (1925) "f."  
*Abies balsamea prostrata* Hort. ex Veitch, l. c. (1881), pro syn.  
*Abies balsamea hudsonia* (Knight) Veitch ex Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 51 (Nomencl. Arb. Fl. U. S.) (1897). — Engelm. ex Sargent, Silva N. Am. **12**: 109 (1898) "var. H."  
*Pinus balsamea* f. *hudsonia* (Sarg. & Engelm.) Voss in Putlitz & Meyer, Landlex. **4**: 776 (1913).
- A. balsamea** f. *nana* [Nelson] Beissner, Syst. Eintheil. Conif. 44 (1887).  
*Picea balsamea nana* [Nelson], Pinac. 37 (1866).  
*Abies balsamea nana* Carrière, Traité Conif. ed. 2, 294 (1867). — Hornibrook, Dwarf Conif. 18 (1923) "var."  
*Abies balsamea* var. *globosa* Beissner in Jäger & Beissner, Ziergeh., ed. 2, 430 (1884).  
*Abies balsamea hemisphaerica* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 52 (Nomencl. Arb. Fl. U. S.) (1897).  
*Pinus balsamea* f. *nana* Voss in Putlitz & Meyer, Landlex. **4**: 776 (1913).
- A. balsamea** var. *macrocarpa* Kent in Veitch, Man. Conif. ed. 2, 492 (1900). — Rehder in Bailey, Cult. Evergr. 261 (1923). — Marie-Victorin in Contrib. Lab. Bot. Univ. Montreal, **10**: 105 (Gymnosp. Montreal) (1927).
- A. lasiocarpa** (Hook.) Nuttall, N. Am. Sylva, **3**: 138 (1849). — Sargent, Silva N. Am. **12**: 113, t. 611 (1898).  
*Pinus (Abies) lasiocarpa* Hooker, Fl. Bor.-Am. **2**: 163 (1839).  
*Abies bifolia* A. Murray in Proc. Hort. Soc. Lond. **3**: 320, fig. 34–39 (1863).  
*Picea bifolia* A. Murray in Gard. Chron. n. ser., **3**: 106, 464, fig. 97 (1875).  
*Picea lasiocarpa* A. Murray in op. cit. **4**: 135, 194, fig. 27, 39 (1875).  
*Abies subalpina* Engelmann in Am. Naturalist, **10**: 555 (1876). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, **58**: 531, fig. (Rév. Abies, 353) (1929).
- A. lasiocarpa** f. *compacta* (Beissner) Rehder in Jour. Arnold Arb. **1**: 55 (1919), p. p. typ.; in Bailey, Cult. Evergr. 261 (1923) "var."  
*Abies subalpina compacta* Beissner in Mitteil. Deutsch. Dendr. Ges. **1900**(9): 64 (1900).  
*Pinus lasiocarpa* f. *compacta* Voss in Putlitz & Meyer, Landlex. **4**: 776 (1913).
- A. lasiocarpa** f. *conica* (Hornibr.), grad. nov.  
*Abies lasiocarpa* var. *conica* Hornibrook, Dwarf Conif. 21 (1923).  
*Abies lasiocarpa* var. *compacta* Rehder in Jour. Arnold Arb. **1**: 55 (1919) p. p. quoad plantam e Colo.
- A. lasiocarpa** var. *arizonica* (Merriam) Lemmon in Sierra Club Bull. **2**: 167 (1897).  
*Abies arizonica* Merriam in Proc. Biol. Soc. Washington, **10**: 115 (1896). — Viguié & Gaussen in Bull. Soc. Hist. Nat. Toulouse, **58**: 257, fig. (Rév. Abies, 79) (1929).

- Pinus beissneri* Voss in Mitteil. Deutsch. Dendr. Ges. 1907(16): 94 [1908].
- A. amabilis** (Loud.) Forbes, Pinet. Woburn. 125, t. 44 (1839). — Sargent, Silva N. Am. 12: 125, t. 614 (1898). — Little in Am. Jour. Bot. 31: 591 (1944).  
*Pinus grandis* D. Don in Lambert, Descr. Pinus, 3: 1 p., 1 t. (1837), non *Abies g.* Lindley (1833).  
*Picea amabilis* Dougl. mss. ex Loudon, Arb. Brit. 4: 2342, fig. 2247–48 (1838), p. p. typ.  
*Pinus amabilis* Douglas in Comp. Bot. Mag. 2: 93 (1836), nom. — Dougl. ex Antoine, Conif. 63, t. 25, f. 2 (1840). — Douglas in [Wilks, ed.] Jour. D. Douglas 1823–27, 343 (1914).  
*Abies grandis* var. *densifolia* Engelm. in Trans. Acad. St. Louis 3: 599 (1878).
- A. grandis** Lindley in Penny Cycl. 1: 30 (1833). — Sargent, Silva N. Am. 12: 117, t. 612 (1898). — Little in Am. Jour. Bot. 31: 591 (1944).  
*Abies aromatica* Rafinesque, Med. Fl. 2: 182 (1830), nom.; in Atlant. Jour. (Rafinesque), 119 (1832).  
*Picea grandis* Dougl. mss. ex Loudon, Arb. Brit. 4: 2341, fig. 2246 (1838), p. p.  
*Pinus grandis* Dougl. & Lambert ex Lindley, Penny Cycl. 1: 30 (1833), pro syn. — Dougl. mss. ex Hooker, Fl. Bor.-Am. 2: 163 (1839). — Dougl. ex Antoine, Conif. 63, t. 25, fig. 1 (1840).  
*Abies amabilis* sensu A. Murray in Proc. Hort. Soc. Lond. 3: 310 (1863), non Forbes (1839).  
*Abies Gordoniana* Carrière, Traité Conif. ed. 2, 298 (1867), p. p.  
*Picea Parsonsii* Hort. Am. ex Gordon, Pinet. Suppl. 52 (1862), pro syn.
- A. concolor** (Gord.) Hoopes, Book Evergr. 220 (1868). — Engelm. in Trans. Acad. Sci. St. Louis, 3: 600 (1878). — M. T. M[asters] in Gard. Chron. n. ser., 13: 648, fig. 110 (1880). — Sargent, Silva N. Am. 12: 121, t. 613 (1898). — Little in Am. Jour. Bot. 31: 590 (1944).  
*Abies concolor* Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 210 (1850), nom. nud.  
*Pinus concolor* Engelm. ex Lindley & Gordon, l. c. (1850), pro syn. — Parlatore in De Candolle, Prodr. 16, 2: 426 (1868).  
*Picea concolor* Gordon, Pinet. 155 (1858).
- A. concolor f. violacea** [A. Murr.] Beissner, Syst. Eintheil. Conif. 45 (1887). — Voss, Vilmor. Blumengärt. 1: 1239 (1896) "(Beiss.)."  
*Abies concolor* var. *violacea* Roezl ex Lavallée, Arb. Segrez. 259 (1877), nom. — Beissner in Jäger & Beissner, Ziergeh. ed. 2, 432 (1884) "Hort."  
*Picea concolor* var. *violacea* [A. Murray in] Gard. Chron. ser. 2, 12: 684, fig. 114, 115 (1875).  
*Pinus concolor f. violacea* (Roezl) Voss in Putlitz & Meyer, Landlex. 4: 775 (1913).
- A. concolor f. Watzetii** (Beiss.), grad. nov.  
*Abies concolor Watzetii* in Nederl. Tuinbouwblad 1900: 421 ex Beissner in Mitteil. Deutsch. Dendr. Ges. 1901(10): 80 (1901). — Rehder in Bailey, Cult. Evergr. 262 (1923) "var."  
*Abies concolor* var. *argentea Watzetii* [Masters] in Kew Hand-list Conif. ed. 2, 99 (1903) "*a. Wallezii*" sphalm.; nom.
- A. concolor f. aurea** (Beiss.), grad. nov.  
*Abies concolor aurea* Beissner in Mitt. Deutsch. Dendr. Ges. 1906(15): 144 [1907]. — Bailey, Cult. Conif. 94 (1933) "var."
- Pinus concolor f. aurea* Voss in Putlitz & Meyer, Landlex. 4: 775 (1913).
- A. concolor f. brevifolia** (Beiss.), grad. nov.  
*Abies concolor brevifolia* Beissner in Mitt. Deutsch. Dendr. Ges. 1906(15): 144 [1907]. — Bailey, Cult. Conif. 94 (1933) "var."
- A. concolor f. globosa** (Niemetz), grad. nov.  
*Abies concolor globosa* Niemetz in Mitt. Deutsch. Dendr. Ges. 1905(14): 212 (1905). — Beissn. ex Rehder in Bailey, Cult. Evergr. 262 (1923) "var."  
*Pinus concolor f. globosa* Voss in Putlitz & Meyer, Landlex. 4: 775 (1913).
- A. concolor f. conica** Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 90 (1932). — Bailey, Cult. Evergr. 94 (1923) "var."
- A. concolor f. pendula** (Beissn.), grad. nov.  
*Abies concolor pendula* Simon-Louis ex Beissner in Mitt. Deutsch. Dendr. Ges. 1896(5): 64 (1896). — Zederbauer in Sitzb. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1936 (1907) "var."  
*Abies concolor pendens* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 55 (Nomencl. Arb. Fl. U. S.) (1897).
- A. concolor var. Lowiana** [Gord.] Lemmon, Handb. W. Am. Cone-bear. ed. 3, 64 (1895).  
*Picea Lowiana* Gordon, Pinet. Suppl. 53 (1862).  
*Abies Lowiana* A. Murray in Proc. Hort. Soc. Lond. 3: 317, fig. 21–24 (1863).  
*Abies grandis* var. *Lowiana* (Gord.) Hoopes, Book Evergr. 212 (1868). — Masters in Jour. Linn. Soc. Lond. Bot. 22: 175, fig. 6, 7 (1886).  
*Picea Lowii* Fowler in Gard. Chron. 1872: 394 (1872).  
*Picea Parsonsii* Fowler, l. c. (1872), pro syn.  
*Picea Parsonsiana* Parsons in Gard. Monthly, 17: 369 (1875). — Barron in Gard. Chron. n. ser., 5: 77 (1876). — Barron Cat. 1859 ex Beissner, Handb. Nadelh. 473 (1891), pro syn.  
*Abies Parsonsiana* W. R. McNab in Gard. Chron., n. ser., 5: 78 (1876). — Meehan in Gard. Monthly, 23: 103 (1881).  
*Pinus Lowiana* W. R. McNab in Proc. Roy. Irish Acad., ser. 2, 2: 680, t. 46, fig. 5 (1877).  
*Abies lasiocarpa* sensu Masters in Gard. Chron. ser. 2, 13: 8 (1880); non Nuttall (1849).  
*Abies concolor* var. *lasiocarpa* (Lindl. & Gord.) Beissner, Syst. Eintheil. Conif. 45 (1887); Handb. Nadelh. 473 (1891). — Voss, Vilmor. Blumengärt. 1: 1239 (1896) "f." — Non *A. lasiocarpa* Nuttall (1849).  
*Pinus concolor f. lasiocarpa* (Engelm.) Voss in Putlitz & Meyer, Landlex. 4: 775 (1913).
- A. venusta** (Dougl.) K. Koch, Dendr. 2, 2: 210 (1873). — Sargent, Silva N. Am. 12: 129, t. 615–6 (1898). — Little in Am. Jour. Bot. 31: 592 (1944).  
*Pinus venusta* Douglas in Comp. Bot. Mag. 2: 152 (Dec. 1, 1836).  
*Pinus bracteata* D. Don in Trans. Linn. Soc. Lond. 17: 442 [1837].  
*Picea bracteata* Loudon, Arb. Brit. 4: 2348, fig. 2256 (1838).  
*Taxodium sempervirens* Lamb. ? sensu Hooker in Hooker's Icon. Pl. 4: t. 379 (1841), non D. Don (1824).  
*Abies bracteata* Nuttall, N. Am. Sylva, 3: 137 (1849).
- A. procera** Rehder in Rhodora, 42: 522 (1940).  
*Pinus nobilis* Douglas mss. ex D. Don in Lambert, Descr. Gen. Pinus, 8° ed., 2: t. 81, 1 p. (1832); fol. ed., ed. 1,



**Abies procera** (continued)

- 3:** t. 21, 1 p. (1837). — Douglas in Comp. Bot. Mag. **2:** 147 (1836), nom. — Sabine ex Douglas, Jour. Travels 1825–27 [ed. W. Wilks], 342 (1914), cum descr.
- Abies nobilis* (Dougl. & Lamb.) Lindley in Penny Cycl. **1:** 30 (1833). — Sargent, Silva N. Am. **12:** 133, t. 617 (1898). — Non A. Dietrich (1824).
- Picea nobilis* (Dougl.) Loudon, Arb. Brit. **4:** 2342, fig. 2249, 2250 (1838); Encycl. Pl. Suppl. 1276 (1841). — (Lindl.) Bertrand in Ann. Sci. Nat. sér. 5, **20:** 86 (1874).
- Pseudotsuga nobilis* (Lindl.) W. R. McNab in Proc. Roy. Irish Acad. ser. 2, **2:** 700 in textu expl. t. 49 (1877), nom. provis. = *Pinus* (*Pseudotsuga*) *nobilis*, p. 699.
- A. procera** f. *glauca* (Ravenscr.) Rehder in Rhodora, **42:** 523 (1940).
- Picea nobilis glauca* Hort. ex Ravenscroft, Pinet. Brit. **2:** 183 (1863).
- Abies nobilis glauca* Hort. ex Carrière, Traité Conif., ed. 2, 269 (1867). — Masters in Jour. Linn. Soc. Lond. Bot. **22:** 189, fig. 18 (1886) “var.” — Voss, Vilmor. Blumen-gärt. **1:** 1239 (1896) “f.” — Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, **1:** 294 (1913) “lus.”
- Abies nobilis* var. *argentea* Freudenberg, Bekannt. Cult. Nadelh. **5** (1886). — Hort. ex Beissner, Handb. Nadelh. 488 (1891). — (Beissn.) Voss, l. c. (1896) “f.” — Ascherson & Graebner, l. c. (1913) “lus.”
- Abies nobilis glaucifolia* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14:** 58 (Nomencl. Arb. Fl. U. S.) (1897).
- Pinus nobilis* f. *glauca* (Beiss.) Voss in Putlitz & Meyer, Landlex. **4:** 774 (1913).
- A. procera** f. *prostrata* (Hornibr.) Rehder in Rhodora, **42:** 524 (1940).
- Abies nobilis* var. *prostrata* Hornibrook in Chittenden, Conif. Cult. Rep. Conif. Confer. **72** (1932).
- Abies nobilis compacta* Hort. Aldenham ex Chittenden, op. cit. 423 (1932), nom.
- A. magnifica** A. Murray in Proc. Hort. Soc. Lond. **3:** 318 (1863). — Sargent, Silva N. Am. **12:** 137, t. 618–9 (1898).
- Picea nobilis magnifica* [Nelson], Pinac. **40:** 200 (1866).
- Picea magnifica* Gordon, Pinet. ed. 2, 219 (1867).
- Abies amabilis* var. *magnifica* (Murr.) Lavallée, Arb. Segrez. 258 (1877).
- Pinus magnifica* (Murr.) W. R. McNab in Proc. Roy. Irish Acad., ser. 2, **2:** 700, t. 49, fig. 30 (1877).
- Pseudotsuga magnifica* W. R. McNab, l. c. expl. t. 49 (1877), nom. provis.
- Abies nobilis* var. *magnifica* (Murr.) Kellogg, For. Trees Calif. **35** (1882).
- Pinus nobilis* var. *magnifica* Voss in Mitt. Deutsch. Dendr. Ges. **1907**(16): 94 [1908].
- Pinus campylocarpa* Voss in Putlitz & Meyer, Landlex. **4:** 774 (1913).
- A. magnifica** f. *glauca* (Beiss.), grad. nov.
- Abies magnifica glauca* Hort. ex Beissner, Handb. Nadelholz. 484 (1891). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 155, fig. 107 (1913) “var.”
- Abies magnifica cyanea* Sudworth in U. S. Dept. Agric. Div. For. Bull. **14:** 59 (Nomencl. Arb. Fl. U. S.) (1897).
- Abies magnifica argentea* Hort. ex Schelle, Winterh. Nadelh. Mitteleur. 145 (1909).
- Pinus campylocarpa* f. *glauca* Voss in Putlitz & Meyer, Landlex. **4:** 774 (1913).
- A. magnifica** var. *shastensis* Lemmon in Bienn. Rep. Calif. State Board For. **3:** 145 (1890).

*Abies shastensis* Lemmon in Gard. & For. **10:** 184 (1897).

*Pinus campylocarpa* var. *shastensis* (Lemmon) Voss in Putlitz & Meyer, Landlex. **4:** 774 (1913).

- KETELEERIA** Carrière in Rev. Hort. **1866:** 449 (1866). — Beissner, Handb. Nadelh. 420 (1891).
- Abietia* Kent in Veitch's Man. Conif. ed. 2, 485 (1900), p. p.
- Typus: *Picea Fortunei* A. Murr. = *K. Fortunei* (Murr.) Carr.
- K. Fortunei** (Murr.) Carrière, l. c. (1866). — Rehder & Wilson in Sargent, Pl. Wilson. **2:** 40 (1914).
- Abies Jessoensis* sensu Lindley in Lindley & Paxton, Fl. Gard. **1:** 42, fig. 26 (1850); in Gard. Chron. **1850:** 311 (1850), p. p.; non Siebold & Zuccarini (1842).
- Picea Fortunei* A. Murray in Proc. Hort. Soc. Lond. **1862:** 421, fig. 85–97 (1862).
- Abies* (*Picea*) *Fortunei* A. Murray, Pines Firs Jap. **49**, fig. 83–95 (1863).
- Pinus Fortunei* (A. Murr.) Parlatores in De Candolle, Prodr. **16,2:** 430 (1868).
- Pseudotsuga jessoensis* (Carr.) Bertrand in Ann. Sci. Nat. Bot. sér. 5, **20:** 87 (1874).
- Pseudotsuga Fortunei* W. R. McNab in Proc. Roy. Irish Acad. ser. 2, **2:** expl. tab. 49 (1877), nom. provis. = *Pinus* (*Pseudotsuga*) *Fortunei*, p. 702.
- Abies Fortunei* Masters in Gard. Chron. ser. 2, **21:** 348, fig. 64–67 (1884).
- Abietia Fortunei* Kent, Veitch's Man. Conif. ed. 2, 485, fig. 123 (1900).
- Keteleeria jessoensis* (Lindl.) Flous in Bull. Soc. Hist. Nat. Toulouse, **70:** 338 (Rév. Keteleeria, 66) (1936), pro syn.
- K. Davidiana** [Bertrand] Beissner, Handb. Nadelh. 424, fig. 117 (1891). — Wilson in Jour. Arnold Arb. **7:** 53 (1926). — Rehder in Jour. Arnold Arb. **10:** 109 (1929); **18:** 254 (1937).
- Pseudotsuga Davidiana* Bertrand in Bull. Soc. Philom. Paris, sér. 6, **9:** 38 (1872); in Ann. Sci. Nat. sér. 5, **20:** 86 (1874). — Carrière in Rev. Hort. **1873:** 37, fig. 3–5 (1873).
- Abies sacra* David, Jour. Trois. Voy. **2:** 29 (1875), nom. nud. — Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **7:** 100, t. 14 (Pl. David. **1:** 290, t. 14) (1884).
- Pinus* (*Pseudotsuga*) *Davidiana* W. R. McNab in Proc. Roy. Irish Acad. ser. 2, **2:** 702 (1877).
- Abies Davidiana* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **7:** 98, t. 13 (Pl. David **1:** 288, t. 13) (1884).
- Keteleeria sacra* Beissner, Handb. Nadelh. 426 (1891).
- Keteleeria Delavayi* Van Tieghem in Bull. Soc. Bot. France, **38:** 412 (1891), nom. subnud.
- Podocarpus sutchuenensis* Franchet in Jour. de Bot. **13:** 265 (1899).
- Pinus sacra* (Franch.) Voss in Mitt. Deutsch. Dendr. Ges. **1907**(16): 94 [1908].
- Keteleeria Esquirolii* Lévillé in Repert. Sp. Nov. Reg. Veg. **8:** 60 (1910). — Flous in Bull. Soc. Hist. Nat. Toulouse, **70:** 324, fig. (Rév. Keteleeria, 52) (1936).
- Podocarpus Mairei* Lemée & Lévillé in Monde des Pl. sér. 2, **16:** 20 (1914).
- K. Evelyniana** Masters in Gard. Chron. ser. 3, **33:** 194, fig. 82 (1903). — Flous in op. cit. 328, fig. (56) (1936).
- Pinus Evelyniana* Voss in Putlitz & Meyer, Landlex. **4:** 773 (1913).
- Podocarpus Mairei* Lemée & Lévillé in Monde des Pl. sér. 2, **16:** 20 (1914); cf. Rehder in Jour. Arnold Arb. **18:** 254 (1937).



- K. formosana** Hayata in Gard. Chron. ser. 3, 43: 194 (1908). — Flous in Bull. Soc. Hist. Nat. Toulouse, 70: 334, fig. (Rév. Keteleeria, 62) (1936).  
*Keteleeria Davidiana* var. *formosana* Hayata in Jour. Coll. Sci. Tokyo, 25, art. 19: 221 (Fl. Mont. Formosa) (1908).
- PSEUDOTSUGA** Carrière, Traité Conif. ed. 2, 256 (1867).  
*Pinus* [group] *Peuce* Sweet, Hort. Brit. ed. 2, 475 (1830), quoad *P. taxifolia*.  
*Pinus* sect. *Abies* D. Don in Lambert, Descr. Pinus, 3: sub *P. Pindrow* p. [2] (1837), p. p.  
*Picea* sect. *Desciscentes* Link in Linnaea, 15: 523 (1841), p. p.  
*Abies* sect. *Peucoides* Spach, Hist. Nat. Vég. Phan. 11: 423 (1842).  
*Abies* sect. *Tsuga* Gordon, Pinet. 13 (1858), p.p.  
*Pinus* sect. vi. *Tsuga* Parlatores in De Candolle, Prodr. 16, 2: 427 (1868), p. p.  
*Picea* subgen. *Pseudotsuga* (Carr.) Bertrand in Ann. Sci. Nat. Bot. sér. 5, 20: 85 (1874).  
*Tsuga* sect. ii. *Pseudotsuga* (Carr.) Eichler in Nat. Pflanzenfam. II, 1: 30 (1889).  
*Abietia* Kent, Veitch's Man. Conif. ed. 2, 474 (1900), exclud. *A. Fortunei*.  
*Pinus* subgen. *Peucodes* (Spach) Voss in Putlitz & Meyer, Landlex. 4: 773 (1913).  
**TYPE**: *Abies taxifolia* Poir. = *P. taxifolia* [Poir.] Britt.
- P. taxifolia** (Poir.) Britton ex Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 46 (Nomencl. Arb. Fl. U. S.) (1897). — Rehder ex Sprague & Green in Kew Bull. 1938: 80 (1938). — Little in Am. Jour. Bot. 31: 594 (1944).  
*Pinus taxifolia* Lambert, Descr. Pinus, 1: 51 (1803), non Salisbury (1796).  
*Abies taxifolia* Poiret, Encycl. Méth. Bot. 6: 523 (1804), non Desfontaines (1804).  
*Abies obliquata* Rafinesque, Med. Fl. 2: 182 (1830), nom.  
*Abies mucronata* Rafinesque, Atlant. Jour. 1: 120 (1832).  
*Abies Douglasii* Lindley in Penny Cycl. 1: 32 (1833).  
*Pinus Douglasii* Sabine ex D. Don in Lambert, Descr. Pinus, 3: 1 p. 1 t. (1837). — Douglas, Jour. Trav. N. Am. (App. 8) 338, ed. [W. Wilks] (1914), cum descr.  
*Abies californica* Hort. ex Steudel, Nomencl. Bot. ed. 2, 1: 1 (1840).  
*Picea Douglasii* Link in Linnaea, 15: 524 (1841).  
*Tsuga Douglasii* Carrière, Traité Conif. 192 (1855).  
*Abies obliqua* Bongard ex Gordon, Pinet. Suppl. 10 (1862), pro syn.  
*Pseudotsuga Douglasii* Carrière, Traité Conif. ed. 2, 256 (1867). — Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 83, fig. (Rév. Pseudotsuga, 51. 1936) (1937).  
*Pseudotsuga Lindleyana* in Rev. Hort. 1868: 152 (1868).  
*Pseudotsuga mucronata* (Raf.) Sudworth in Contrib. U. S. Nat. Herb. 3: 266 (1895). — Sargent, Silva N. Am. 12: 87, t. 607 (1898).  
*Pseudotsuga taxifolia* (Lamb.) Britton in Trans. New York Acad. Sci. 8: 74 (1889).  
*Abietia Douglasii* Kent, Veitch's Man. Conif. ed. 2, 476 (1900).
- P. taxifolia** var. *viridis* (Schwerin) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913).  
*Abies Douglasii* var. 2. *taxifolia* Loudon, Arb. Brit. 4: 2319, fig. 2231 (1838).  
*Picea taxifolia* (Loud.) Link in Linnaea, 15: 525 (1841).  
*Tsuga Douglasii* var. *taxifolia* (Loud.) Carrière, Traité Conif. 192 (1855).
- Pseudotsuga Douglasii viridis* Schwerin in Mitt. Deutsch. Dendr. Ges. 1907(16): 257 [1908].  
*Pseudotsuga taxifolia* a *viridis* Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 287 (1913).  
*Pseudotsuga taxifolia* subsp. *mucronata* (Raf.) Schwerin in Mitt. Deutsch. Dendr. Ges. 1922(32): 59 (1922).  
*?Pseudotsuga vancouverensis* Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 152, fig. (Rév. Pseudotsuga, 120. 1936) (1937).
- P. taxifolia** f. *caesia* (Schwerin) in op. cit. 1922(32): 62 (1922) "subsp. *glaucescens* (Bailly) 21. *caesia*." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913) "var." — Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 287 (1913) "b. *caesia*."  
*Pseudotsuga Douglasii* f. *caesia* Schwerin in Mitt. Deutsch. Dendr. Ges. 1907(16): 257 [1908].  
*Pseudotsuga caesia* (Schwerin) Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 74, fig. (Rév. Pseudotsuga, 42. 1936) (1937).
- P. taxifolia** f. *fastigiata* (Carr.) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913) "var. *pyramidalis* f. f." *Abies Douglasii fastigiata* Knight ex Knight & Perry, Syn. Conif. 37 (1850), nom. — Gordon, Pinet. 17 (1858).  
*Tsuga Douglasii fastigiata* (Knight) Carrière, Traité Conif. 193 (1855).  
*Pseudotsuga Douglasii fastigiata* Carrière, op. cit., ed. 2, 257 (1867).  
*Pseudotsuga taxifolia fastigiata* (Knight) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 48 (Nomencl. Arb. Fl. U. S. (1897)).  
*Abietia Douglasii* var. *fastigiata* Kent, Veitch's Man. Conif. ed. 2, 479 (1900).
- P. taxifolia** f. *pendula* [Neumann] Beissner, Syst. Eintheil. Conif. 41 (1887) "Engelm." — Schwerin in Mitt. Deutsch. Dendr. Ges. 1922(32): 60 (1922) ("Massé").  
*Abies taxifolia pendula* Massé ex Neumann in Fl. des Serr. 8: 186 (1853).  
*Abies Douglasii pendula* [Nelson], Pinac. 35, 178 (1866).  
*Pinus Douglasii* β. *pendula* Parlatores in De Candolle, Prodr. 16, 2: 430 (1868).  
*Tsuga Douglasii pendula* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 446 (1884).  
*Abietia Douglasii* var. *pendula* Kent, Veitch's Man. Conif. ed. 2, 478 (1900).  
*Pseudotsuga taxifolia* var. *pendula* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913).
- P. taxifolia** var. *glauca* [Beissn.] Schneider, l. c. fig. 276, 277 (1913). — Schwerin in Mitt. Deutsch. Dendr. Ges. 1923(33): 91 (1923) "subsp."  
*Tsuga Douglasii* var. *glauca* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 446 (1884).  
*Abies Douglasii* var. *glauca* Salomon, Deutschl. Bäume Sträuch. 23 (1884), nom.  
*Pseudotsuga Douglasii* (f.) *glauca* Beissner, Syst. Eintheil. Conif. 41 (1887). — Mayr, Wald. Nordam. 307, t. 6, fig. (1890) "var."  
*?Pseudotsuga glaucescens* Bailly in Rev. Hort. 1895: 88 (1895). — Bellair in Rev. Hort. 1903: 208, fig. 85 (1903) = ? *P. Flahaultii* Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 92, fig. (Rév. Pseudotsuga, 60. 1936) (1937).  
*Pseudotsuga taxifolia* f. *glauca* (Beissn.) Voss, Vilmor. Blumengärt. 1: 1240 (1896). — Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 287 (1913) "lus."  
*Abietia Douglasii* var. *glauca* Kent, Veitch's Man. Conif. ed. 2, 478 (1900).

**Pseudotsuga taxifolia** var. **glauca** (continued)

*Pseudotsuga Douglasii glaucescens* Nicholson, Ill. Dict. Gard. Suppl. 624 (1900).

*Pseudotsuga glauca* Mayr in Mitt. Deutsch. Dendr. Ges. 1901(10): 57 (1901).—Flous in Bull. Soc. Hist. Nat. Toulouse 71: 106, fig. (Rév. Pseudotsuga. 74. 1936) (1937).

*Pinus taxifolia* f. *glauca* (Beiss.) Voss in Putlitz & Meyer, Landlex. 4: 773 (1913).

*Pseudotsuga taxifolia* var. *glauca* f. *glaucescens* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913).

*Pseudotsuga taxifolia* var. *glaucescens* (Schneid.) Rehder in Bailey, Stand. Cycl. Hort. 5: 2847 (1916).—Schwerin in Mitt. Deutsch. Dendr. Ges. 1922(32): 61 (1922) "subsp."

*Pseudotsuga mucronata* var. *glauca* Nash in Jour. New York Bot. Gard. 18: 113 (1917).

*Pseudotsuga globulosa* Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 112, fig. (Rév. Pseudotsuga, 80. 1936) (1937).

*Pseudotsuga Merrillii* Flous in op. cit. 134, fig. (102) (1936).

*Pseudotsuga Rehderi* Flous in op. cit. 140, fig. (108) (1936).

**P. taxifolia** f. **argentea** (Beiss.) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913) "var. *glauca* f. *argentea*."

*Pseudotsuga Douglasii argentea* Koster ex Beissner, Handb. Nadelh. 419 (1891).

*Tsuga Douglasii argentea* Schober, Pinet. Schober. 8 (1892).

*Pseudotsuga taxifolia argentea* (Beissn.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 49 (Nomencl. Arb. Fl. U. S.) (1897).

*Abietia Douglasii* var. *argentea* Kent, Veitch's Man. Conif. ed. 2, 479 (1900).

**P. taxifolia** f. **glauca-pendula** Schwerin in Mitt. Deutsch. Dendr. Ges. 1922(32): 62 (1922) "subsp. *glaucescens* [f.] 20. *glauca-pendula* (Rüppel)."

*Pseudotsuga Douglasii glauca pendula* Rüppel in Kat. P. Smith ex Beissner Handb. Nadelh. 418 (1891).

*Pseudotsuga Douglasii pendula glauca* Schelle, Winterh. Nadelh. Mitteleur. 123 (1909).

*Pseudotsuga taxifolia* var. *glauca* f. *pendula* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913), non *P. taxifolia* f. *pendula* Beissn. (1887).

**P. taxifolia** f. **compacta** [Beiss.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 269 (1913) "var. *nana* f."

*Pseudotsuga Douglasii compacta* Beissner, Syst. Eintheil. Conif. 41 (1887), nom.; Handb. Nadelh. 419 (1891) "*P. D. c.*"

*Abies Douglasii compacta* ex Beissner, Syst. Eintheil. Conif. 41 (1887), pro syn.

*Tsuga Douglasii compacta* ex Beissner, l. c. (1887), pro syn.

*Pseudotsuga taxifolia compacta* (Beiss.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 48 (Nomencl. Arb. Fl. U. S.) (1897).

*Abietia Douglasii* var. *compacta* Kent, Veitch's Man. Conif. ed. 2, 479 (1900).

**P. taxifolia** f. **globosa** [Beiss.] Schwerin in Mitt. Deutsch. Dendr. Ges. 1922(32): 61 (1922).—Rehder in Bailey, Stand. Cycl. Hort. 5: 2847 (1916) "var."

*Pseudotsuga Douglasii globosa* Lutz Kat. (1905) ex Beissner, Mitt. Deutsch. Dendr. Ges. 1905(14): 75, t. 9 (1905).

*Pinus taxifolia* f. *globosa* (Beiss.) Voss in Putlitz & Meyer, Landlex. 4: 773 (1913).

**P. taxifolia** f. **pumila** (Waterer) Schwerin in Mitt. Deutsch.

Dendr. Ges. 1922(32): 61 (1922).—M. L. Green in Kew Bull. 1938: 85 (1938) "var."

*Abies Douglasii pumila* Waterer ex Gard. Chron. ser. 3, 26: 95, 96 (1899).

*Pseudotsuga Douglasii pumila* Waterer ex G. Paul in Jour. Hort. Soc. Lond. 23: cxxxii (1899).—Beissner in Mitt. Deutsch. Dendr. Ges. 1899(8): 114 (1899).

*Pseudotsuga glauca* var. *pumila* (Beiss.) Hornibrook, Dwarf Conif. 155 (1923).

**P. japonica** (Shiras.) Beissner in Mitt. Deutsch. Dendr. Ges. 1896(5): 62 (1896).—Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 122, fig. (Rév. Pseudotsuga, 90. 1936) (1937).

*Tsuga japonica* Shirasawa in Bot. Mag. Tokyo, 9: 86 (1895).

**P. sinensis** Dode in Bull. Soc. Dendr. France, 1912: 58 (1912).—Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 146, fig. (Rév. Pseudotsuga, 116. 1936) (1937).**P. Wilsoniana** Hayata, Ic. Pl. Formos. 5: 204, t. 15 (1915).—Flous in op. cit. 156, fig. (124. 1936) (1937).

*Pseudotsuga japonica* sensu Matsumura & Hayata, Enum. Pl. Formos. 400 (1906).—Hayata in Jour. Coll. Sci. Tokyo, 25, 19: 223, fig. 13 (1908).—Non Beissner (1896).

*Pseudotsuga Forrestii* Craib in Notes Bot. Gard. Edinb. 11: 189, t. 160, 161 (1919).—Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 98, fig. (Rév. Pseudotsuga, 66. 1936) (1937).

**TSUGA** Carrière, Traité Conif. 185 (1855).—Flous in Trav. Lab. For. Toulouse, II, 4,3: 136 p., fig. (Rév. Tsuga) (1936); in Bull. Soc. Hist. Nat. Toulouse, 71: 315–450, fig. (1937).

*Pinus* Linnaeus, Sp. Pl. 1000 (1753), p. p.

*Abies* Miller, Gard. Dict. abridg. ed., 1 (1754), p. p.; Gard. Dict. ed. 8 (1768), p. p.—Loudon, Arb. Brit. 4: 2293 (1838), p. p., quoad sect. II (p. 2319).

*Pinus-Abies* Weston, Bot. Univ. 1: 210 (1770), p. p.

*Pinus* II. *Abies* Münchhausen, Hausvat. 5: 222 (1770), p. p.

*Peuce* L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810), p. p.

*Pinus* [group] *Peuce* Sweet, Hort. Brit. ed. 2, 475 (1830), p. p.

*Pinus* sect. *Abies* D. Don in Lambert, Descr. Pinus, 3: sub *P. Pindrow* [p. 2] (1837), p. p.

*Picea* sect. *Desciscentes* Link in Linnaea, 15: 523 (1841), p. p.

*Abies* sect. *Micropeuce* Spach, Hist. Nat. Vég. Phan. 11: 424 (1842).

*Pinus* sect. *Tsuga* \**Micropeuce* (Spach) Endlicher, Syn. Conif. 83 (1847).

*Abies* sect. II. *Tsuga* Gordon, Pinet. 13 (1858), p. p. typ.—K. Koch, Dendr. 2, 2: 248 (1873) "subgen.", p. p. typ.

*Pinus* sect. *Tsuga* Parlatores in De Candolle, Prodr. 16,2: 427 (1868), p. p.

*Picea* subgen. *Tsuga* Bertrand in Ann. Sci. Nat. Bot. sér. 5, 20: 87 (1874).

*Tsuga* sect. I. *Eutsuga* [Engelm.] Eichler in Nat. Pflanzenfam. II. 1: 80 (1889).

LECTOTYPUS: *Pinus canadensis* L. = *T. canadensis* (L.) Carr.

**SECT. MICROPEUCE** [Spach] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 291 (1913).—Fitzpatrick in Sci. Proc. Roy. Dublin Soc. n. ser. 19: 201 (1929).

*Tsuga* sect. *Eutsuga* Engelmann in S. Watson, Bot. Calif. 2: 120 (1880).—Beissner, Handb. Nadelh. 394 (1891).

- T. Sieboldii** Carrière, *Traité Conif.* 186 (1855).  
*Abies Araragi* Siebold in Verh. Bat. Genoot. Kunst. Wetensch. 12: 12 (Syn. Pl. Oec. Jap.) (1830), nom.  
*Abies Tsuga* Siebold & Zuccarini, *Fl. Jap.* 2: 14, t. 106 [1842].  
*Pinus Araragi* Siebold ex Endlicher, *Syn. Conif.* 83 (1847), pro syn.  
*Pinus Tsuga* Murr. ex Antoine, *Conif.* 23, t. 32, fig. 2 (1857).  
*Micropeuce Sieboldii* (Carr.) Spach ex Gordon, *Pinet. Suppl.* 13 (1862), pro syn.  
*Tsuga Tsuja* A. Murray in *Proc. Hort. Soc. Lond.* 2: 508, fig. 141–153 (1862).  
*Abies (Tsuga) Tsuja* A. Murray, *Pines Firs Jap.* 84, fig. 159–171 (1863).  
*Picea Sieboldii* (Carr.) Bertrand in *Ann. Sci. Nat. Bot. sér. 5*, 20: 89 (1874).  
*Pinus Sieboldii* (Carr.) W. R. McNab in *Proc. Roy. Irish Acad. ser. 2*, 2: 213 (1876).  
*Tsuga Araragi* (Sieb.) Koehne, *Deutsche Dendr.* 10 (1893).  
*Pinus araragi* (Sieb.) Voss in *Mitt. Deutsch. Dendr. Ges.* 1907(16): 63 [1908].
- T. diversifolia** (Maxim.) Masters in *Jour. Linn. Soc. Lond. Bot.* 18: 514 (1881).  
*Abies Tsuga* b. *nana* Endlicher, *Syn. Conif.* 83 (1847).  
*Tsuga Sieboldii* b. *nana* Carrière, *Traité Conif.* 186 (1855).  
*Tsuga Tsuja* var. *nana* (Carr.) A. Murray in *Proc. Hort. Soc. Lond.* 2: 509 (1862).  
*Abies diversifolia* Maximowicz in *Bull. Acad. Sci. St. Pétersb.* 12: 229 (in *Mél. Biol.* 6: 379) (1868).  
*Tsuga Araragi* var. *nana* (Endl.) Sargent, *Silva N. Am.* 12: 60, in nota (1899).  
*Pinus araragi* var. *diversifolia* Voss in *Mitt. Deutsch. Dendr. Ges.* 1907(16): 93 (1908).  
*Pinus Araragi* var. *nana* Voss in *Putlitz & Meyer, Landlex.* 4: 773 (1913).
- T. chinensis** (Franch.) Pritzl in *Bot. Jahrb.* 29: 217 (1900).—Rehder & Wilson in *Sargent, Pl. Wilson.* 2: 37 (1914).  
*Abies chinensis* Franchet in *Jour. de Bot.* 13: 259 (1899).  
*Abies dumosa* var. *chinensis* Franchet, l. c. 258 (1899), quoad specim. Farges.  
*Tsuga Brunoniana* var. *chinensis* (Franch.) Masters in *Jour. Linn. Soc. Lond. Bot.* 26: 556 (1902), p. p.—Beissner in *Mitt. Deutsch. Dendr. Ges.* 1903(16): 67 (1903); *Handb. Nadelh.* ed. 2, 84 (1909), p. p.  
*Tsuga yunnanensis* (Franch.) Masters in *Gard. Chron. ser. 3*, 39: 236, fig. 93 (1906), p. p.  
*Tsuga formosana* Hayata in *Gard. Chron. ser. 3*, 43: 194 (1908); in *Repert. Sp. Nov. Reg. Veg.* 8: 366 (1910).—Flous in *Trav. Lab. For. Toulouse, II*, 4, 3: 84, fig. (Rév. *Tsuga*) (1936); in *Bull. Soc. Hist. Nat. Toulouse*, 71: 398, fig. (1937).
- T. yunnanensis** (Franch.) Pritzl in *Bot. Jahrb.* 29: 217 (1900).—Masters in *Jour. Linn. Soc. Lond. Bot.* 26: 556 (1902); in *Gard. Chron. ser. 3*, 39: 236, fig. 93 (1906), p. p.  
*Abies yunnanensis* Franchet in *Jour. de Bot.* 13: 258 (1899).  
*Abies dumosa* var. *chinensis* Franchet, l. c. 258 (1899), quoad specim. Delavay.  
*Tsuga Brunoniana* var. *chinensis* (Franch.) Masters in *Jour. Linn. Soc. Lond. Bot.* 26: 556 (1902), p. p.
- T. caroliniana** Engelm. in *Bot. Gaz.* 6: 223 (1881).—Sargent, *Silva N. Am.* 12: 69, t. 604 (1898).  
*Abies caroliniana* (Engelm.) Chapman, *Fl. South. U. S.* ed. 2, 650 (1883).  
*Pinus caroliniana* (Engelm.) Voss in *Mitt. Deutsch. Dendr. Ges.* 1907(16): 94 (1908).
- T. caroliniana** f. *compacta* (Hornibr.), grad. nov.  
*Tsuga caroliniana* var. *compacta* Hornibrook, *Dwarf Conif.* 186 (1923).
- T. canadensis** (L.) Carrière, *Traité Conif.* 189 (1855).—Sargent, *Silva N. Am.* 12: 63, t. 603 (1898).  
*Pinus canadensis* Linnaeus, *Sp. Pl.* ed. 3, 2: 1421 (1763).  
*Abies americana* Miller, *Dict. Gard.* ed. 8, A. no. 6 (1768).  
*Pinus-Abies americana* Weston, *Bot. Univ.* 1: 211 (1770).—Marshall, *Arbust. Am.* 103 (1785).  
*Pinus americana* Du Roi, *Obs. Bot.* 39 (1771).  
*Pinus mariana* Gaertner, *Fruct. Sem.* 2: 59, t. 91, fig. a-g (1791), exclud. syn. Seligm., Mill.; non Du Roi (1771).  
*Pinus pendula* Salisbury, *Prodr. Stirp. Chap. Allert.* 399 (1796), non Aiton (1789).  
*Abies canadensis* Michaux, *Fl. Bor.-Am.* 2: 206 (1803), non Miller (1768).  
*Abies pectinata* Poiret, *Encycl. Méth. Bot.* 6: 523 (1804), non Gilibert (1792).  
*Picea canadensis* (L.) Link in *Linnaea*, 15: 524 (1841).  
*Tsuga americana* (Mill.) Farwell in *Bull. Torrey Bot. Club*, 41: 629 (1915).
- T. canadensis** f. *albo-spica* Beissner, *Syst. Eintheil. Conif.* 40 (1887) "(f.)"; *Handb. Nadelh.* 403 (1891).  
*Tsuga canadensis* var. *albo-spica* Beissner in *Jäger & Beissner, Ziergeh.* ed. 2, 445 (1884).  
*Tsuga canadensis* *albo-spicata* Beissner, *Handb. Nadelh.* ed. 2, 90 (1891).—Fitschen in *Mitt. Deutsch. Dendr. Ges.* 1929(41): 5 (1929) "f. *albispicata*."
- T. canadensis** f. *microphylla* [Lindl.] Beissner, *Syst. Eintheil. Conif.* 40 (1887) "(f.)".—Voss, *Vilmor. Blumen-gärt.* ed. 3, 1: 1240 (1896).  
*Abies canadensis microphylla* Lindley in *Gard. Chron.* 1864: 460 (1864).  
*Tsuga canadensis microphylla* Sénéclauze, *Conif.* 20 (1868).—Beissner in *Jäger & Beissner, Ziergeh.* ed. 2, 445 (1884) "var."  
*Tsuga canadensis* var. *parvifolia* Beissner, l. c. (1884).—P. Smith ex Fitschen in *Mitt. Deutsch. Dendr. Ges.* 1929(41): 5 (1929).
- T. canadensis** f. *Jenkinsii* (Bailey), grad. nov.  
*Tsuga canadensis* var. *Jenkinsii* Bailey, *Cult. Conif.* 124 (1933).
- T. canadensis** f. *compacta* (Sénécl.), grad. nov.  
*Tsuga canadensis compacta* Sénéclauze, *Conif.* 19 (1868).  
*Tsuga canadensis compacta nana* Hort. ex Beissner, *Handb. Nadelh.* 402 (1891).  
*Tsuga canadensis compacta minima* Sudworth in *U. S. Dept. Agric. For. Serv. Bull.* 14: 42 (1897).
- T. canadensis** f. *gracilis* [Gord.] Beissner, *Handb. Nadelh.* 402 (1891).  
*Abies canadensis gracilis* Waterer ex Gordon, *Pinet. Suppl.* 9 (1862).  
*Tsuga canadensis gracilis* Carrière, *Traité Conif.* ed. 2, 249 (1867).
- T. canadensis** f. *pendula* Beissner, *Syst. Eintheil. Conif.* 40 (1877) "(f.)".  
*Tsuga canadensis* var. *pendula* Beissner in *Jäger & Beissner, Ziergeh.* ed. 2, 445 (1884).—Rehder in *Bailey, Cycl. Am. Hort.* [4]: 3392 (1902).—Stout in *Jour. New York Bot. Gard.* 40: 153, fig. 1–13 (1939).

***Tsuga canadensis* f. *pendula*** (continued)

*Tsuga canadensis* *Sargentii pendula* Parsons, Cat. 1896: 59. — Beissner in Mitt. Deutsch. Dendr. Ges. 1897(6): 48 (1897).

*Tsuga canadensis* var. *Sargentiana* Kent, Veitch's Man. Conif. ed. 2, 465 (1900).

*Tsuga canadensis* var. *Sargentii* Henry in Elwes & Henry, Trees Gr. Brit. Irel. 2: 239 (1907).

*Tsuga canadensis* var. *pendula* f. *Sargentii* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 294, fig. 43, 140 (1913).

**T. heterophylla** (Raf.) Sargent, Silva N. Am. 12: 73, t. 605 (1898).

*Pinus canadensis* sensu Bongard in Mém. Acad. Sci. St. Pétersb. 2: 163 (Obs. Végét. Sitcha, 54. 1832) (1833), non Linnaeus (1767).

*Abies heterophylla* Rafinesque, Med. Fl. 2: 182 (1830), nom.; in Atlant. Jour. 1: 119 (1832).

*Abies microphylla* Rafinesque, l. c. (1830), nom.; l. c. (1832).

*Abies Mertensiana* sensu Gordon, Pinet. 18 (1858), non Lindley & Gordon (1850).

*Abies taxifolia* Jeffrey ex Gordon, l. c. (1858), pro syn.; non Poiret (1804), nec Desfontaines (1804).

*Picea Mertensiana* hort. gall. ex Gordon, Pinet. 18 (1858), pro syn.

*Abies Albertiana* A. Murray in Proc. Hort. Soc. Lond. 3: 149, fig. 6, 7, 9, 11, 13, 15 (1863).

*Abies Bridgesii* Kellogg in Proc. Calif. Acad. Sci. 2: 37 (1863).

*Tsuga Mertensiana* Carrière, Traité Conif. ed. 2, 250 (1867), quoad descript., non *Pinus Mertensiana* Bongard (1832).

*Tsuga Albertiana* Sénéclauze, Conif. 18 (1867).

*Pinus Mertensiana* sensu Parlatore in De Candolle, Prodr. 16, 2: 428 (1868), non Bongard (1832).

*Pinus Pattoniana* W. R. McNab in Proc. Roy. Irish Acad., ser. 2, 2: 211, 212, t. 23, fig. 2 (1875), non Parlatore (1868).

*Abies Pattonii* Jeffrey msc. ex W. R. McNab in Jour. Linn. Soc. Lond. Bot. 19: 208 (1882), non Gordon (1858).

**T. dumosa** (D. Don) Eichler in Nat. Pflanzenfam. II. 1: 80 (1809).

*Pinus dumosa* D. Don, Prodr. Fl. Nepal. 55 (1825).

*Pinus Brunoniana* Wallich, Pl. As. Rar. 3: 24, t. 247 (1832).

*Abies Brunoniana* (Wall.) Lindley in Penny Cycl. 1: 30 (1833).

*Abies dumosa* (D. Don) Loudon, Arb. Brit. 4: 2325, fig. 2233, 2234 (1838).

*Picea Brunoniana* (Wall.) Wenderoth, Pflanz. Bot. Gärt. 1. Conif. 60 (1851).

*Tsuga Brunoniana* (Wall.) Carrière, Traité Conif. 188 (1855).

*Abies cedroides* Griffith mss. ex Carrière, Traité Conif. 188 (1855).

*Micropeuce Brunoniana* Spach ex Carrière, Traité Conif. ed. 2, 247 (1867), pro syn.

*Tsuga Brunoniana* var. *typica* Patschke in Bot. Jahrb. 48: 767 (1913).

*Tsuga leptophylla* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 1924: 83 (Pl. Nov. Sin. Forts. 25: 3) (1924).

Sect. 2. *HESPEROPEUCE* Engelmann in S. Watson, Bot. Calif. 2: 121 (1880). — Beissner, Handb. Nadelh. 394 (1891).

*Hesperopeuce* (Engelm.) Lemmon in Bienn. Rep. Calif.

State Board For. 3: 126, t. (1890); Cone-bear. Trees Pacific Slope, 12 (1892).

**T. Mertensiana** (Bong.) Carrière, Traité Conif. ed. 2, 250 (1867), quoad basonym., descript. exclud. — Sargent, Silva N. Am. 12: 77, t. 606 (1898).

*Pinus Mertensiana* Bongard in Mém. Acad. Sci. St. Pétersb. 2: 163 (1833). (Obs. Végét. Sitcha 54. 1832) (1833).

*Abies Mertensiana* (Bong.) Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 211 (1850).

*Abies Pattoniana* A. Murray, Rep. Oreg. Exp. 1, t. 4, fig. 2 (1853).

*Picea Californica* Carrière, Traité Conif. 261 (1855).

*Abies Hookeriana* A. Murray in Edinb. New Phil. Jour. n. ser., 1: 289, t. 9, fig. 11-17 (1855).

*Abies Williamsonii* Newberry in U. S. (War Dept.) Rep. Expl. Surv. Railr. Mississippi Riv. Pacif. Oc. 6, 3: 53, fig. 19, t. 7 (1857).

*Abies Pattonii* Jeffrey ex Gordon, Pinet. 10 (1858); Suppl. 6 (1862).

*Tsuga Williamsonii* Vos, Bered. Woordenb. Heest. Conif. 181 (1867).

*Tsuga Hookeriana* Carrière, Traité Conif. ed. 2, 252 (1867). — Flous in Bull. Soc. Hist. Nat. Toulouse, 71: 414, fig. (Rév. Tsuga, 100. 1936) (1937).

*Pinus Pattoniana* (Murr.) Parlatore in De Candolle, Prodr. 16, 2: 429 (1868).

*Tsuga Roetzii* Carrière in Rev. Hort. 1870: 217 (1870).

*Picea (Tsuga) Hookeriana* (Carr.) Bertrand in Ann. Sci. Nat. Bot. sér. 5, 20: 89 (1874).

*Pinus Hookeriana* W. R. McNab in Proc. Roy. Irish Acad. ser. 2, 2: 211, 212, t. 23, fig. 1 (1875).

*Tsuga Pattoniana* (Jeffrey) Engelmann in Gard. Chron. n. ser. 12: 756 (1879).

*Hesperopeuce Pattoniana* Lemmon in Bienn. Rep. Calif. State Board For. 3: 126, t. 9 (1890).

*Tsuga Pattoniana* var. *Hookeriana* (Murr.) Lemmon, W. Am. Cone-bear. 54 (1895).

*Hesperopeuce Mertensiana* (Bong.) Rydberg in Bull. Torrey Bot. Club, 39: 100 (1912), exclud. syn.

**T. Mertensiana** f. *argentea* (Beiss.), grad. nov.

*Tsuga Pattoniana argentea* Beissner, Einheit. Conif.-Ben. 26 (1891), nom.; Handb. Nadelh. 410 (1891). — Voss, Vilmor. Blumengärt. 1: 1240 (1896) "f." — Voigtländer in Gartenzeit. (Oester. Gartenbauges.) 1927: 154, fig. 53 (1927) "var."

*Tsuga Mertensiana argentea* (Beiss.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 17: 23 (Check-list For. Trees U. S.) (1898). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 294, fig. 307 (1913).

**T. Jeffreyi** (*T. heterophylla* × *Mertensiana*) (Henry) Henry in Henry & Flood in Proc. Roy. Irish Acad. 35b: 55 (1919).

*Tsuga Pattoniana* var. *Jeffreyi* Henry in Elwes & Henry, Trees Gr. Brit. Irel. 2: 231 (1907).

*Tsuga Mertensiana* var. *Jeffreyi* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 294 (1913).

**PICEA** A. Dietrich, Fl. Geg. Berl. 2: 794 (1824). — Link in Abh. Akad. Wiss. Berlin, 1827: 181 (Fam. Pinus. 1827) (1830).

*Pinus* Linnaeus, Sp. Pl. 1000 (1753); Gen. Pl. ed. 5, 434 (1754), p. p.

*Abies* Miller Gard. Dict. abridg. ed. 4, 1: (1754), p. p.; Gard. Dict. ed. 8 (1768), p. p. — Poiret, Encycl. Méth. Bot. 6: 509 (1804), p. p.

*Pinus-Abies* Weston, Bot. Univ. 1: 210 (1770), p. p.

- Pinus* II. *Abies* Münchenhausen, Hausvat. 5: 222 (1770). — Sweet, Hort. Brit., ed. 2, 475 (1830).
- Abies* § I. *Epicea* De Candolle in Lamarck & De Candolle, Fl. Franc. ed. 3, 3: 275 (1805). — Koch, Syn. Fl. Germ. Helv. 667 (1837).
- Peuce L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810), p. p.
- Pinus* sect. *Abies* D. Don in Lambert, Descr. Pinus, 3: sub *P. Pindrow* p. [2] (1837), exclud. sp. nonnull.
- Abies* D. Don ex Loudon, Arb. Brit. 4: 2329 (1838).
- Abies* sect. I. *Picea* Spach, Hist. Nat. Vég. Phan. 11: 405 (1842). — K. Koch, Dendr. 2, 2: 232 (1873).
- Pinus* sect. IV. *Picea* (Link) Koch, Syn. Fl. Germ. Helv. ed. 2, 2: 769 (1844). — Endlicher, Syn. Conif. 112 (1847). — Parlatore in De Candolle, Prodr. 16, 2: 413 (1868).
- Abies* sect. I. *Vera* Gordon, Pinet. 2 (1858).
- Veitchia* Lindley in Gard. Chron. 1861: 265 (1861), quoad sp. *Picea jezoensis*.
- Picea* subgen. *Picea* Bertrand in Ann. Sci. Nat. sér. 5, 20: 83 (1874).
- LECTOTYPUS: *Pinus Abies* L. = *Picea Abies* (L.) Karst. (*P. rubra* A. Dietr.)
- Sect. I. EUPICEA Willkomm, Forstl. Fl. ed. 2, 66 (1887).
- Picea* sect. 1. *Morinda* Mayr, Monog. Abiet. Jap. 44 (1890).
- Picea* II. *Morindae* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 196 (1897).
- Picea* sect. *Alcockiana* Pardé in Bull. Soc. Dendr. France, 1911: 9 (1911), p. p. quoad *P. Alcockiana*.
- Picea* sect. *Bicolor* Fitzpatrick in Sci. Proc. Roy. Irish Acad. n. ser., 19: 198 (1929), p. p. quoad *P. bicolor*.
- P. Smithiana** (Wall.) Boissier, Fl. Or. 5: 700 (1884).
- Pinus Smithiana* Wallich, Num. List, 6063 [1832], nom.; Pl. As. Rar. 3: 24, t. 246 (1832).
- Abies Smythiana* vel *Morinda* Lawson, Agric. Man. 369 (1836).
- Pinus Khutrow* Royle, Ill. Bot. Himal. 350, 353, t. 84, fig. 1 (1839).
- Abies Khutrow* Royle, l.c. (1839), nom. provis.
- Picea Morinda* Link in Linnaea, 15: 522 (1841).
- Abies Morinda* (Laws.) Wenderoth, Pflanz. Bot. Gärt. I. Conif. 16 (1851).
- Picea Khutrow* Carrière, Traité Conif. 258 (1855).
- Pinus Morinda* Hort. ex Gordon, Pinet. 12 (1858), pro syn.
- Abies pendula* Griffith ex Gordon, Pinet. Suppl. 7 (1862), pro syn.
- P. Schrenkiana** Fischer & Meyer in Bull. Acad. Sci. St. Pétersb. 10: 253 (Enum. Pl. Schrenk Lect. 2: 12) (1842).
- Pinus Schrenkiana* (Fisch. & Mey.) Antoine, Conif. 97 (1845?).
- Picea orientalis* β. *longifolia* Ledebour, Fl. Ross. 3: 671 (1850).
- Abies Schrenkiana* (Fisch.) Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 212 (1850).
- Picea obovata* Schrenkiana (Fisch. & Mey.) Carrière, Traité Conif. ed. 2, 338 (1867).
- Pinus obovata* β. *Schrenkiana* (Ant.) Parlatore in De Candolle Prodr. 16, 2: 415 (1868).
- Picea tianschanica* Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 7, 14: 72 (Osten-Sacken & Ruprecht, Sert. Tiansch.) (1869).
- Pinus Abies* L. f. *Schrenkiana* (Fisch. & Mey.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908].
- P. Wilsonii** Masters in Gard. Chron. ser. 3, 33: 133, fig. 55, 56 (1903).
- Picea Mastersii* Mayr, Fremdländ. Wald- & Parkbäume, 328, fig. 105–7 (1906).
- Picea Watsoniana* Masters in Jour. Linn. Soc. Lond. Bot. 37: 419 (1906). — Lacassagne in Trav. Lab. For. Toulouse, II, 3, 1: 242, fig. (Ét. Anat. Syst. Picea) (1934).
- P. Maximowiczii** Hort. Petrop. ex Regel in Ind. Sem. Hort. Petrop. 1865: 33 (1866), nom. — Masters in Gard. Chron., ser. 3, 13: 363 (1880).
- Abies obovata* Loud. var. *japonica* Maximowicz in Ind. Sem. Hort. Petrop. 1866: 1, 3 (1867).
- Picea obovata* var. *japonica* (Maxim.) Beissner in Jäger & Beissner, Ziergeh. ed. 2, 441 (1884). — Beissner, Syst. Eintheil. Conif. 38 (1887) “(f.)”; Handb. Nadelh. 370 (1891).
- ?*Picea acicularis* (Maxim., non Hort.) Beissner, Handb. Nadelh. 380 (1891), non Wenderoth (1851).
- Picea Tschonoskii* Mayr, Fremdl. Wald- & Parkbäume, 339 (1906).
- Picea excelsa* var. *obovata japonica* (Maxim.) Beissner, Handb. Nadelh. ed. 2, 220 (1909).
- P. polita** (Sieb. & Zucc.) Carrière, Traité Conif. 256 (1855). — Wilson, Conif. Taxads Jap. 36, t. 19, 20 (1916).
- Abies Torano* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 12 (Syn. Pl. Oecon. Jap.) (1830).
- ?*Abies Thunbergii* (Lambert) Lindley in Penny Cycl. 1: 34 (1833), nom.
- Abies polita* Siebold & Zuccarini, Fl. Jap. 2: 20, t. 111 (1842).
- Pinus polita* (Sieb. & Zucc.) Antoine, Conif. 95, t. 36, fig. 1 (1845)?
- Picea Torano* Koehne, Deutsche Dendr. 22 (1893).
- Pinus torano* (Sieb.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908].
- Picea Thunbergii* Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 300 (1912).
- P. asperata** Masters in Jour. Linn. Soc. Lond. Bot. 37: 419 (1906). — Pardé in Bull. Soc. Dendr. France, 1924: 22 (1924).
- P. asperata** var. *notabilis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 23 (1914).
- Picea notabilis* (Rehd. & Wils.) Lacassagne in Trav. Lab. For. Toulouse, II, 3, 1: 180, fig. (Ét. Anat. Syst. Picea) (1934).
- P. asperata** var. *ponderosa* Rehder & Wilson, l. c. (1914).
- Picea ponderosa* (Rehd. & Wils.) Lacassagne in Trav. Lab. For. Toulouse, II, 3, 1: 203, fig. (Ét. Anat. Syst. Picea) (1934).
- P. asperata** var. *heterolepis* (Rehd. & Wils.) Cheng ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 24 (1940).
- Picea heterolepis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 24 (1914). — Lacassagne in Trav. Lab. For. Toulouse, II, 3, 1: 121, fig. (Ét. Anat. Syst. Picea) (1934).
- P. aurantiaca** Masters in Jour. Linn. Soc. Lond. Bot. 37: 420 (1906). — Lacassagne in op. cit. 70, fig. (1934).
- P. Meyeri** Rehder & Wilson in Sargent, Pl. Wilson. 2: 28 (1914). — Lacassagne in op. cit. 154, fig. (1934).
- P. retroflexa** Masters l. c. (1906). — Lacassagne in op. cit. 216, fig. (1934).
- P. Abies** (L.) Karsten, Deutsch. Fl. Pharm.-med. Bot. 324 (1881).
- Pinus Abies* Linnaeus, Sp. Pl. 1002 (1753).
- Abies Picea* Miller, Gard. Dict. ed. 8, A. no. 2 (1768).

**Picea Abies** (continued)

- Pinus-Abies Picea* Weston, Bot. Univ. 1: 211 (1770).  
*Pinus Picea* Du Roi, Obs. Bot. 37 (1771).  
*Pinus excelsa* Lamarck, Fl. Franç. 2: 202 (1778) "excelsus."  
*Abies pectinata* Gilibert, Exerc. Phytol. 2: 411 (1792),  
 non *Pinus pectinata* Lam. (1778).  
*Pinus pyramidalis* Salisbury, Prodr. Stirp. Chap. Allert.  
 399 (1796).  
*Abies excelsa* Poiret, Encycl. Méth. Bot. 6: 518 (1805).  
*Peuce rubra* L. C. Richard in Ann. Mus. Hist. Nat. Paris,  
 16: 298 (1810).  
*Picea rubra* A. Dietrich, Fl. Geg. Berlin, 2: 795 (1824).  
*Picea vulgaris* Link in Abh. Akad. Wiss. Berlin, 1827: 180  
 (Fam. Pinus. 1827) (1830).  
*Abies communis* Lawson, Agric. Man. 365 (1836).  
*Abies excelsa* var. 1. *communis* Loudon, Arb. Brit. 4: 2294  
 (1838).  
*Picea excelsa* Link in Linnaea, 15: 517 (1841).  
*Pinus Picea* var. *a. vulgaris* Loud. ex Endlicher, Syn. Conif.  
 117 (1847).  
*Abies vulgaris* Wenderoth, Pflanz. Bot. Gärt. i. Conif. 15  
 (1851), non Poir. (1805).  
*Picea vulgaris* var. *europaea* Teplouchof in Bull. Soc. Nat.  
 Moscou, 41, 2: 249, fig. 1 (1868).  
*Abies excelsa a. vulgaris* Willkomm, Forstl. Fl. 66 (1875).  
*Picea vulgaris a. vulgaris* Beck in Blätt. Ver. Landesk.  
 Niederoestr. 1890: 73 (1890).  
*Picea excelsa* var. *γ. europaea* (Tepl.) Schröter in Viertel-  
 jahrsschr. Naturf. Ges. Zürich, 43: 142, 232, figs. (1898).  
 — (Koch) Neumann, Sver. Fl. 819 (1901) "f."  
*Abies Abies* (L.) Borbas in Magyar Bot. Lap. 1: 28 (1902).  
 — Druce in Rep. Bot. Exch. Club Brit. Isls. 7 (1924):  
 689 (1925).  
*Pinus Abies* L. (subsp.) *vulgaris* Voss in Putlitz & Meyer,  
 Landlex. 4: 770 (1913).  
*Picea Abies f. europaea* Lindman, Svensk. Fanerog. 39, fig.  
 (1918).
- P. Abies f. erythrocarpa** (Purkyně) Rehder in Jour.  
 Arnold Arb. 4: 111 (1923).  
*Picea excelsa* var. *erythrocarpa* Purkyně in Allg. Forst- &  
 Jagdzeit. 53: 1, 1, t. fig. 7–12, 17–20, fig. 24–26, 30–32, 34,  
 36, 39, 40 (1877). — Voss, Vilmor. Blumengärt. 1: 1241  
 (1895) "f." — Wittrock ex Schröter in Vierteljahrsschr.  
 Naturf. Ges. Zürich, 43: 250 (1898) "var. *vulgaris* f. e."  
*Picea vulgaris* var. *erythrocarpa* (Purk.) Jacobasch in Sitz-  
 ber. Bot. Ver. Prov. Brandenb. 24: 98 (1882).  
*Pinus Abies f. erythrocarpa* Voss in Putlitz & Meyer, Land-  
 lex. 4: 770 (1913).
- P. Abies f. chlorocarpa** [Purk.] Th. Fries in Bot. Notiser,  
 1890: 255 (1890); in Bot. Centralbl. 53: 137 (1893).  
*Picea excelsa* var. *chlorocarpa* Purkyně in Allg. Forst- &  
 Jagdzeit. 53: 1, 1, t. fig. 1–6, 13–16, t. 2, fig. 21–23, 27–29,  
 33, 35, 37, 38 (1877). — Voss, Vilmor. Blumengärt. 1:  
 1241 (1896) "f." — Wittrock ex Schröter in Vierteljahrss-  
 chr. Naturf. Ges. Zürich, 43: 250 (1898) "var. *vulgaris*  
 f. c."  
*Picea vulgaris* var. *chlorocarpa* (Purk.) Jacobasch in Sitz-  
 ber. Bot. Ver. Prov. Brandenb. 24: 98 (1882).
- P. Abies f. nigra** [Loud.] Th. Fries in Bot. Notiser, 1890:  
 254 (1890); in Bot. Centralbl. 53: 137 (1893).  
*Abies excelsa* var. 2. *nigra* Loudon, Arb. Brit. 4: 2294  
 (1838). — A. Murray in [Ravenscroft], Pinet. Brit. 2:  
 137, fig. 20–27 (1867).  
*Pinus Abies* 3. *nigra* (Loud.) Antoine, Conif. 91 (1842–57).  
 — Voss in Putlitz & Meyer, Landlex. 4: 770 (1913)  
 "f."
- Pinus Picea* var. *γ. nigra* (Loud.) Endlicher, Syn. Conif.  
 117 (1847).  
*Picea excelsa γ. nigra* (Loud.) Willkomm, Forstl. Fl. ed. 2,  
 77 (1887). — Voss, Vilmor. Blumengärt. 1: 1241 (1896)  
 "f." — Schröter in Vierteljahrsschr. Naturf. Ges. Zürich,  
 43: 203, 234 (1898) "lus."
- P. Abies f. argentea** (Beiss.) Rehder in Jour. Arnold Arb.  
 4: 109 (1923).  
*Abies excelsa argentea* Fr. Berg in Schrift. Dorpat. Naturf.-  
 Ges. 2: 39 (1887), nom.  
*Picea excelsa argentea* Hort. ex Beissner, Handb. Nadelh.  
 367 (1891). — Schröter in Ber. Schweiz. Bot. Ges. 10:  
 133 (1900) "lus." — Lipa, Dendrofl. U. R. S. R. 1: 72  
 (1939) "f."
- P. Abies f. argenteo-spica** (Beiss.) Rehder in Jour. Arnold  
 Arb. 1: 55 (1919).  
*Picea excelsa argenteo-spica* Hesse ex Beissner, Handb.  
 Nadelh. 367 (1891). — R. E. Fries in Act. Hort. Berg.  
 6, 3: t. 79 (1918) "f."  
*Picea excelsa argenteo-spicata* Hesse ex Beissner, Handb.  
 Nadelh. ed. 2, 240 (1909).  
*Pinus Abies f. argentei-spicata* Voss in Putlitz & Meyer,  
 Landlex. 4: 770 (1913).
- P. Abies f. finedonensis** (Gord.), grad. nov.  
*Abies excelsa finedonensis* Paul ex Gordon, Pinet. Suppl. 4  
 (1862).  
*Picea excelsa finedonensis* Carrière, Traité Conif. ed. 2,  
 334 (1867). — Schneider in Silva Tarouca, Uns. Freil.-  
 Nadelh. 231 (1913) "var. *aurea* subv. f." — Lipa, Den-  
 drofl. U. R. S. R. 1: 72 (1939) "f."  
*Picea Abies* var. *Finedonensis* Nash in Jour. New York  
 Bot. Gard. 18: 88 (1917), nom.
- P. Abies f. pyramidata** (Carr.) Rehder in Jour. Arnold  
 Arb. 1: 56 (1919).  
*Picea excelsa pyramidata* Carrière, Traité Conif. 247  
 (1855). — Schröter in Ber. Schweiz. Bot. Ges. 13: 107,  
 fig. 3 (1903) "var. *europaea* lus. p." — Schneider in  
 Silva Tarouca, Uns. Freil.-Nadelh. 230, fig. 122 (1913)  
 "var. *pyramidalis* subvar. p."; var. *columnaris* sub fig.  
*Abies excelsa pyramidalis* Hort. ex Gordon, Pinet. Suppl.  
 5 (1862).  
*Picea excelsa pyramidalis* Vos, Bered. Woordenb. Heest.  
 Conif. 176 (1867). — Regel, Russ. Dendr. ed. 2, 33  
 (1883) "(f.) κ." — Fr. Berg in Schrift. Naturf. Ges.  
 Univ. Dorpat, 2: 17, pl. 6 (1887) "f."  
*Picea excelsa* lus. *erecta* Schröter in Vierteljahrsschr. Naturf.  
 Ges. Zürich, 43: 158, 233 (Vielgest. Fichte, 38, 113)  
 (1898).  
*Picea Abies* var. *pyramidalis* Nash in Jour. New York Bot.  
 Gard. 18: 89 (1917), nom. — R. E. Fries in Acta Hort.  
 Berg. 6, 3: t. 78 (1918) "f."
- P. Abies f. cupressina** (F. Thomas) Rehder in Jour. Arnold  
 Arb. 4: 110 (1923).  
*Picea excelsa* lus. *cupressina* F. Thomas in Mitt. Deutsch.  
 Dendr. Ges. 1907(16): 252, t. 8 [1908]. — Schneider in  
 Silva Tarouca, Uns. Freil.-Nadelh. 230 (1913) "var.  
*pyramidalis* subvar. c."
- P. Abies f. columnaris** (Jacques) Rehder in Jour. Arnold  
 Arb. 4: 110 (1923).  
*Abies excelsa* var. *columnaris* Jacques in Ann. Soc. Hort.  
 Paris, 44: 653 (1853).  
*Picea excelsa columnaris* (Jacques) Carrière, Traité Conif.  
 248 (1855). — Conwentz in Abh. Landesk. Prov. West-  
 preuss. 9: 158 (1895) "f." — B. Böhm in Zeitschr. Forst-  
 & Jagdwes. 25: 228, fig. 4 (1895) "var." — (Carr.)

- Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, **43**: 173, 233, fig. 19–21 (Vielgest. Fichte, 53, 113) (1898) "lus." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 230 (1913), fig. exclud. "var. *pyramidalis* subvar. *c.*"
- P. *Abies f. pendula*** [Laws.] N. Sylvén in Lustgård. **1**: 163, fig. (1920) "(Jacq. & Her.)."
- Abies communis pendula* Lawson, Agric. Man. 366 (1836).
- Abies excelsa* (var.) *4. pendula* (Booth) Loudon, Arb. Brit. **4**: 2294 (1838).
- Pinus Picea* Du Roi var. *pendula* Lawson, List Pl. Fir Tribe, **18** (1851).
- Picea excelsa pendula* (Booth) Carrière, Traité Conif. 247 (1855). — Carrière in Jacques & Herincq, Man. Pl. Arb. Arbust. **4**: 340 (1857). — Conwentz in Abh. Landeskr. Prov. Westpreuss. **9**: 135, fig. 13–17, t. 3 (1895) "forma *p.* (Jacq. & Her.)." — Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 197 (1897) "lus." — Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, **43**: 152, 233, fig. 8–9 (Vielgest. Fichte, 32, 113) (1898) "lus. *p.* (Jacq. & Her.)." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 230 (1913) "var. *pendula* subvar. *p.*"
- Pinus Abies* L. f. *pendula* (Jacq. & Her.) Voss in Putlitz & Meyer, Landlex. **4**: 770 (1913).
- Picea Abies* var. *pendula* Nash in Jour. New York Bot. Gard. **18**: 89 (1917).
- P. *Abies f. inversa*** (Gord.), grad. nov.
- Abies excelsa inverta* Smith ex Gordon, Pinet. Suppl. **4** (1862). — [Nelson], Pinac. **48** (1866).
- Picea excelsa inverta* Carrière, Traité Conif. ed. 2, 335 (1867).
- Picea excelsa inversa* Beissner, Einheit. Conif.-Ben. **25** (1891). — Voss, Vilmor. Blumengärt. **1**: 1241 (1896) "f." — D. S. Fish in Gard. Chron. ser. 3, **29**: 262, fig. 98 (1901) "var." — Scharke in Gartenwelt, **19**: 94, fig. (1915) "*inversa pendula*."
- Pinus Abies* L. f. *inversa* (Beiss.) Voss in Putlitz & Meyer, Landlex. **4**: 770 (1913).
- Picea Abies* var. *inversa* Nash in Jour. New York Bot. Gard. **18**: 89 (1917).
- P. *Abies f. viminalis*** [Alstr.] Lindman, Svensk Fanerog. **39** (1918) "(Sparrm.)"
- Pinus viminalis* Sparrman ex Alstroemer in Svensk Vet. Akad. Handl. **38**: 310, pl. 8, 9 (1777).
- Pinus hybrida* Liljeblad, Utk. Svensk Fl. **208** (1792).
- Pinus Abies* v. *viminalis* Liljeblad, op. cit. ed. 2, 310 (1798). — Wahlenberg, Fl. Suec. **650** (1824–26).
- Pinus Picea* var. *β. viminalis* (Wahlenb.) Endlicher, Syn. Conif. **117** (1847).
- Abies excelsa* (v) *viminalis* (Wahlenb.) Lindley & Gordon in Jour. Hort. Soc. Lond. **5**: 212 (1850).
- Abies vulgaris* a. *viminalis* Wenderoth, Pflanz. Bot. Gärt. **1**. Conif. **15** (1851).
- Picea vulgaris* var. *viminalis* (Alstr.) Caspary in Schrift. Phys.-ökon. Ges. Königsb. **14**: 125 (1873).
- Picea excelsa* var. *viminalis* Caspary in op. cit. **19**: 153, pl. 5 (1878). — Wittrock in Hartman, Handb. Skand. Fl. ed. 12, 35 (1889) "f." — Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 197 (1897) "lus." — Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, **43**: 150 (Vielgest. Fichte, 30) (1898) "lus." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 230 (1913) "var. *pendula* subv. *v.*"
- P. *Abies f. virgata*** [Jacques] Rehder in Rhodora, **9**: 110 (1907).
- Abies excelsa Cranstonii* Knight & Perry, Syn. Conif. **36** (1850), nom.
- Abies excelsa* var. *virgata* Jacques in Ann. Soc. Hort. Paris, **44**: 653 (1853).
- Picea excelsa denudata* Carrière in Rev. Hort. **1854**: 101, fig. 7, 9 (1854).
- Picea excelsa Cranstonii* Carrière, Traité Conif. 248 (1855).
- Picea excelsa* var. *virgata* (Jacques) Caspary in Schrift. Phys.-ökon. Ges. Königsb. **14**: 125, t. 15, fig. 1–4, t. 16 (1873) "a. *vulgaris* f. *v.*" — Wittrock in Hartman, Handb. Skand. Fl. ed. 12, 35 (1889) "f." — Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 197 (1897) "lus."
- Pinus Abies* var. *virgata* Nordstedt in Bot. Notiser, **1877**: 84 (1877).
- Picea vulgaris* f. *virgata* (Casp.) Beck, Fl. Nieder-Oester. **1**: 7 (1890).
- Picea Abies virgata* Th. Fries in Bot. Notiser, **1890**: 257 (1890).
- P. *Abies f. monstrosa*** (Loud.) Rehder in Jour. Arnold Arb. **1**: 56 (1919).
- Abies excelsa* var. **11. monstrosa** Hort. ex Loudon, Arb. Brit. **4**: 2295 (1838).
- Abies monstrosa* Hort. ex Loudon, l. c. (1838), pro syn.
- Pinus Abies* var. **11. monstrosa** (Loud.) Antoine, Conif. **92** (1842–5).
- Abies aelada* Savi in Flora, **27**: 519 (1844).
- Pinus Picea* var. **λ. monstrosa** Endlicher, Syn. Conif. **118** (1847).
- Pinus excelsa monstrosa* Rinz in Gartenfl. **6**: 334 (1857), nom.
- "*Abies monocaulis*" Nördlinger, Deutsche Forstbot. **2**: 439 (1876), pro syn. sub *A. excelsa*.
- Picea excelsa* l. *monstrosa* Regel, Russk. Dendr. ed. 2, 33 (1883). — Beissner, Handb. Nadelh. ed. 2, 266 (1909) "*P. e. m.*", non ed. 1 (1891), nec Beissner (1884), nec *P. e. monstrosa* Carr. (1855). — Schröder in Vierteljahrsschr. Naturf. Ges. Zürich, **43**: 170, fig. 18 (Vielgest. Fichte, 50) (1898) "lus.," sphalm. *monstrosa*.
- Picea excelsa* e. *monocaulis* Nördl. ex Willkomm, Forstl. Fl. ed. 2, 76 [1886]. — Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 198 (1897) "lus."
- Picea vulgaris* f. *monocaulis* Beck, Fl. Nieder-Oester. **1**: 7 (1890).
- P. *Abies f. conica*** (Endl.), grad. nov.
- Pinus Picea* var. *η. conica* Endlicher, Syn. Conif. **117** (1847).
- Picea excelsa conica* Carrière, Traité Conif. 249 (1855).
- Abies excelsa conica* Keteleer ex Carrière, l. c. (1855), pro syn. — Jäger, Ziergeh. **342** (1865) "var."
- Picea Abies conica* Th. Fries in Bot. Notiser, **1890**: 259 (1890); in Bot. Centralbl. **53**: 140 (1893). — Rehder in Bailey, Cult. Evergr. **276** (1923) "var."
- P. *Abies f. elegans*** (Forbes) Rehder in Jour. Arnold Arb. **1**: 56 (1919); in Bailey, Cult. Evergr. **276** (1923) "var."
- Abies excelsa* β. *elegans* Forbes, Pinet. Woburn. **90** (1839).
- Pinus excelsa elegans* Rinz in Gartenfl. **6**: 334 (1857), nom.
- Picea excelsa elegans* Hort. ex Beissner, Handb. Nadelh. **363** (1891).
- Picea excelsa* var. *conica elegans* Hort. ex Hornibrook, Dwarf Conif. **103** (1923).
- P. *Abies f. Remontii*** (R. Smith) Rehder in Jour. Arnold Arb. **1**: 57 (1919); in Bailey, Cult. Evergr. **277** (1923) "var."
- Abies excelsa Remontii* R. Smith, Pl. Fir Tribe, **5** (1874?).
- Picea excelsa Remonti* Beissner, Syst. Eintheil. Conif. **37** (1887). — Purpus in Möller's Deutsch. Gärt.-Zeit. **21**: 557, fig. 4 (1906). — Schneider in Silva Tarouca, Uns.



**Picea Abies f. Remontii** (*continued*)

Freil.-Nadelh. 230, fig. 206 (1913) "var." — Lipa, Dendrofl. U. R. S. R. 1: 71 (1939) "f."

**P. Abies f. pygmaea** (Loud.) Rehder in Jour. Arnold Arb.

1: 56 (1919); in Bailey, Cult. Evergr. 277 (1923) "var." — Hornibrook, Dwarf Conif. ed. 2, 143 (1939) "var."

*Abies excelsa* (var.) 8. *pygmaea* Loudon, Arb. Brit. 4: 2295 (1838).

*Pinus Abies* [var.] 8. *pygmaea* (Loud.) Antoine, Conif. 91 (1842-45).

*Pinus Picea* var. 8. *pygmaea* (Loud.) Endlicher, Syn. Conif. 118 (1847).

*Abies parvula* Knight & Perry, Syn. Conif. 36 (1850).

*Abies pygmaea* (Fisch.) Wenderoth, Pflanz. Bot. Gärt. 1. Conif. 17 (1851).

*Picea excelsa pygmaea* (Loud.) Carrière, Traité Conif. 250 (1855).

*Pinus excelsa pygmaea* Rinz in Gartenfl. 6: 334 (1857).

**P. Abies f. Barryi** (Beiss.), grad. nov.

*Picea excelsa Barry* Beissner, Handb. Nadelh. 365 (1891).

— Hort. Späth ex Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 230, fig. 48 (1913) "var."

*Picea excelsa* var. *Barryi* Rehder in Bailey, Cycl. Am. Hort. 3: 1333 (1901). — Beissner, Handb. Nadelh. ed. 2, 236 (1909). — Lipa, Dendrofl. U. R. S. R. 1: 71 (1939) "f."

*Picea Abies* var. *Barryi* Nash in Jour. New York Bot. Gard. 18: 88 (1917). — Hornibrook, Dwarf Conif. ed. 2, 170 (1939).

**P. Abies f. Ellwangeriana** (Beiss.) Rehder in Jour. Arnold Arb.

1: 56 (1919); in Bailey, Cult. Evergr. 276 (1923) "var."

*Picea excelsa Ellwangeriana* Beissner, Handb. Nadelh. 366 (1891). — Hornibrook, Dwarf Conif. 106 (1923) "var."

*Abies excelsa Ellwangeriana* Hort. ex Beissner, l. c. (1891), pro syn.

**P. Abies f. mucronata** (Loud.) Rehder in Jour. Arnold Arb.

4: 109 (Apr. 1923); in Bailey, Cult. Evergr. 276 (Oct. 1923) "var."

*Abies communis mucronata* Loudon in Gard. Mag. (London), n. ser., 7: 386 (1841).

*Abies excelsa* var. 12. *mucronata* Hort. ex Loudon, Encycl. Trees Shrubs, 1027 (1842). — Gordon, Pinet. 5 (1858).

*Pinus Picea* Du Roi var. *mucronata* Endl. ex Lawson, List Pl. Fir Tribe, 18 (1851).

*Picea excelsa mucronata* Carrière, Traité Conif. 247 (1855). — Hornibrook, Dwarf Conif. 114 (1923) "var."

*Abies mucronata* Rauch ex Gordon, l. c. (1858), pro syn., non Rafinesque (1832).

**P. Abies f. nana** (Carr.), grad. nov.

*Picea excelsa* (F.) *nana* Hort. ex Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 212 (1850), nom. — Carrière, Traité Conif. 249 (1855). — Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, 43: 182, 233 (Vielgest. Fichte, 62, 113) (1898) "lus.," sensu ampl. — Lipa, Dendrofl. U. R. S. R. 1: 71 (1939) "f."

*Abies vulgaris* d. *nana* Wenderoth, Pflanz. Bot. Gard. 1. Conif. 15 (1851).

*Picea Abies* var. *nana* Hornibrook, Dwarf Conif. ed. 2, 142, t. (1939).

**P. Abies f. parviformis** (Maxwell) Rehder in Jour. Arnold Arb.

1: 56 (1919).

*Picea excelsa parviformis* [Otto] in Hamburg. Gart.- & Blumenzeit. 22: 158 (1866), nom. — Maxwell in Horticulturist, 29: 201 (1874). — R. Smith, Pl. Fir Tribe,

5 (1874?). — Beissner, Syst. Eintheil. Conif. 37 (1887) "f."

**P. Abies f. microsperma** (Hornibr.), grad. nov.

*Picea excelsa* var. *microsperma* [Masters] Kew Hand-list Conif. 67 (1896), nom. — Hornibrook, Dwarf Conif. 116 (1923).

*Picea Abies* var. *microsperma* (Hornibr.) Rehder in Bailey, Cult. Evergr. 278, t. 34, fig. 4 (1923).

**P. Abies f. compacta** (Kirchn.), grad. nov.

*Picea excelsa* 3. *compacta* Booth ex Kirchner in Petzold & Kirchner, Arb. Muscav. 695 (1864). — Sénéclauze, Conif. 26 (1868).

*Picea Abies* var. *compacta* Nash in Jour. New York Bot. Gard. 18: 88 (1917). — Rehder in Bailey, Cult. Evergr. 277 (1923).

**P. Abies f. Clanbrassiliana** (Laws.), grad. nov.

*Pinus clanbrassiliana* Loddiges & Sons, Cat. Pl. ed. 12, 31 (1820), an prius?; nom.

*Abies Clanbrassiliana* Lawson, Agric. Man. 370 (1836).

*Abies excelsa* var. 6. *Clanbrassiliana* (Lodd.) Loudon, Arb. Brit. 4: 2294 (1838). — [Forbes], Pinet. Woburn. 92 (1839) "e. *Clanbrassiliana*."

*Picea excelsa* (var.) *clanbrassiliana* Carrière, Traité Conif. 250 (1855). — Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 198 (1897) "lus. *Clanbrassiliana*."

— Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, 18: 182, 233 (Vielgest. Fichte, 113) (1898) "lus. *nana* sublus. *Clanbrassiliana*." — Neuman, Sver. Fl. 819 (1901) "f. *clanbrassiliana*."

*Pinus Abies* 6. *Clanbrassiliana* (Loud.) Antoine, Conif. 91 (1842-45).

*Pinus Picea* 8. *Clanbrassiliana* (Loud.) Endlicher, Syn. Conif. 117 (1847).

*Picea Abies Clanbrassiliana* Th. Fries in Bot. Notiser, 1890: 259 (1890). — Hornibrook, Dwarf Conif. ed. 2, 152, t. (opp. p. 160) (1939) "var. *Clanbrassiliana*."

**P. Abies f. Gregoryana** (Gord.), grad. nov.

*Abies excelsa Gregoryana* Paul ex Gordon, Pinet. Suppl. 4 (1862).

*Picea excelsa Gregoryana* Carrière, Traité Conif. ed. 2, 335 (1867).

*Picea excelsa Gregoryi* R. Smith, Pl. Fir Tribe, 5 (1874?).

*Picea Abies* var. *Gregoryana* Nash in Jour. New York Bot. Gard. 16: 52 (1915). — Hornibrook, Dwarf Conif. ed. 2, 147, t. (1939).

**P. Abies f. Veitchii** (Hornibr.) Rehder in Jour. Arnold Arb.

4: 110 (1923, Apr.); in Bailey, Cult. Evergr. 277 (1923, Oct.) "var."

*Picea excelsa Gregoryana* forma *Veitchii* Hornibrook, Dwarf Conif. 97, t. (1923). — Fitschen in Beissner, Handb. Nadelh. ed. 3, 211 (1930) "*excelsa Veitchii*."

*Picea Abies* var. *Gregoryana Veitchii* Hornibrook, Dwarf Conif. ed. 2, 150, t. (p. 146) (1939).

**P. Abies f. Parsonsii** (Hornibr.) Rehder in Jour. Arnold Arb.

4: 110 (1923); Man. Cult. Trees Shrubs, 44 (1927) "var."

*Picea excelsa Gregoryana* f. *Parsonsii* Hornibrook, Dwarf Conif. 98 (1923). — Fitschen in Beissner, Handb. Nadelh. ed. 3, 211 (1930).

*Picea Abies* var. *Gregoryana Parsonsii* Hornibrook, Dwarf Conif. ed. 2, 149, t. (p. 1463) (1939).

**P. Abies f. Merckii** (Beiss.) Rehder in Jour. Arnold Arb.

1: 56 (1919); in Bailey, Cult. Evergr. 277 (1923) "var."

- Picea excelsa* var. *Merkii* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 440 (1884).  
*Abies excelsa Merkii* Dieck, Haupt-Cat. Zöschchen, 86 (1885). — Fr. Berg in Schrift. Naturf. Ges. Univ. Dorpat, 2: 39 (1887).
- P. Abies f. pumila** [R. Smith] Voss, Vilmor. Blumengärt. 1: 1241 (1896).  
*Picea excelsa pumila* [Otto] in Hamburg. Gart.- & Blumenzzeit. 22: 158 (1866), nom. — Beissner in Jäger & Beissner, Ziergeh. ed. 2, 440 (1884) "var." — Voss, Vilmor. Blumengärt. 1: 1241 (1896) "f." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 230, fig. 44 (1913) "var."  
*Abies excelsa pumila* A. Murray in [Ravenscroft], Pinet. Brit. 2: 138 (1867), nom. — Maxwell in Horticulturist, 29: 201 (1875). — R. Smith, Pl. Fir Tribe, 5 (1874?).  
*Picea excelsa f. pumila nigra* Voss, Vilmor. Blumengärt. 1: 1241 (1896). — Beissner, Handb. Nadelh. ed. 2, 236 (1909).  
*Pinus Abies f. pumila* (Beiss.) Voss in Putlitz & Meyer, Landlex. 4: 770 (1913).  
*Pinus Abies f. pumila nigra* Voss, l. c. (1913).  
*Picea Abies* var. *pumila* Nash in Jour. New York Bot. Gard. 16: 52 (1915).  
*Picea Abies pumila nigra* Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 118 (1932).
- P. Abies f. "pumila glauca"** (Kent), grad. nov.  
*Abies excelsa pumila glauca*, Kent, Man. Conif. 71 (1881).  
*Picea excelsa pumila glauca*, Nicholson, Ill. Dict. Gard. 3: 122 (1887). — Beissner, Handb. Nadelh. 365 (1891). — Voss, Vilmor. Blumengärt. 1: 1241 (1896) "f. *pumila glauca*." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. fig. 224 (p. 215) (1913) "var. *pumila f. glauca*."  
*Pinus Abies f. pumila glauca* Voss in Putlitz & Meyer, Landlex. 4: 770 (1913).  
*Picea Abies* var. *pumila glauca* Bailey, Cult. Conif. 106 (1933).
- P. Abies f. Maxwellii** (R. Smith), grad. nov.  
*Picea excelsa Maxwellii* T. C. Maxwell Bros. [Cat. 1873]. — Beissner, Handb. Nadelh. 366 (1891), p. p. — Hornibrook, Dwarf Conif. 103 (1923).  
*Abies excelsa Maxwellii* R. Smith, Pl. Fir. Tribe, 5 (1874?).  
*Picea Abies* var. *Maxwellii* Nash in Jour. New York Bot. Gard. 16: 52 (1915). — Hornibrook, Dwarf Conif. ed. 2, 140, pl. (1939).
- P. Abies f. procumbens** (Carr.) Rehder in Jour. Arnold Arb. 1: 56 (1919); in Bailey, Cult. Evergr. 278 (1923) "var."  
*Picea excelsa procumbens* Carrière, Traité Conif. 251 (1855). — Lipa, Dendrofl. U. R. S. R. 1: 71 (1939) "f."  
*Abies excelsa procumbens* A. Murray [Ravenscroft], Pinet. Brit. 2: 138 (1867), nom.  
*Picea excelsa* var. *prostrata* Zederbauer in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, 116: 1937 (1907), p. p. — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 230 (1913).
- P. Abies f. tabulaeformis** (Carr.), grad. nov.  
*Picea excelsa tabulaeformis* Carrière, Product. Fix. Variet. 52 (1865). — Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 198 (1897) "lus. *tabuliformis*." — Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, 43: 182, 233 (Vielgest. Fichte, 62, 113) (1898) "lus. *nana* sublus. *t*."  
*Abies excelsa* var. *tabulaeformis* Hort. ex Hartwig & Rümpfer, Bäume & Sträucher. 637 (1875).  
*Picea Abies tabulaeformis* Th. Fries in Bot. Notiser, 1890: 259 (1890). — Torsander in Bot. Notiser, 1897: 169 (1897) "f.," pro syn. — Hornibrook, Dwarf Conif. ed. 2, 169 (1939) "var."
- P. obovata** Ledebour, Fl. Alt. 4: 201 (1833). — Komarov, Fl. U. R. S. S. 1: 145 (1934).  
*Pinus Abies* sensu Pallas, Fl. Ross. 1, 1: 6, t. 1, fig. G. (1788), non Linnaeus (1753).  
*Abies obovata* (Ledeb.) D. Don ex Loudon, Arb. Brit. 4: 2329 (1838).  
*Pinus obovata* (Ledeb.) Antoine, Conif. 69, t. 37, fig. 2 (1847).  
*Pinus Abies obovata* Andersson ex A. Murray in [Ravenscroft], Pinet. Brit. 2: 162 (1868).  
*Picea vulgaris* var. *altaica* Teplouchof in Bull. Soc. Nat. Moscou, 41, 2: 250, fig. 4 (1868).  
*Abies excelsa* var. *obovata* (Ledeb.) K. Koch, Dendr. 2, 2: 238 (1872).  
*Picea excelsa* β. *obovata* (Ledeb.) Blytt, Norges Fl. 2: 391 (1874). — Beissner, Einheitl. Conif.-Ben. ed. 2, 27 (1892).  
*Abies excelsa* γ. *altaica* (Tepl.) Willkomm, Forstl. Fl. 67 (1875).  
*Pinus Abies f. obovata* (Ledeb.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 (1908); in Putlitz & Meyer, Landlex. 4: 770 (1913).  
*Picea excelsa* v. *P. obovata* (Ledeb.) Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 308 (1913).  
*Picea Abies f. obovata* (Ledeb.), Lindman, Svensk Fanerog. 39, fig. 49, 5 (1918).
- P. obovata** var. *fennica* (Reg.) Henry in Elwes & Henry, Trees Gr. Brit. Irel. 6: 1360 (1912).  
*Pinus Abies* var. *fennica* Regel in Gartenfl. 12: 95, fig. b (1863).  
*Pinus Abies* L. var. *medioxima* Nylander in Bull. Soc. Bot. France, 10: 501 (1863). — Voss in Putlitz & Meyer, Landlex. 4: 770 (1915) "[subsp.]"  
*Picea vulgaris* var. *Uwarowii* N. Kauffmann, Moskovsk. Fl. 605 (1866).  
*Abies excelsa medioxima* A. Murray in [Ravenscroft], Pinet. Brit. 2: 138 [1867]; 3: 327 [1884]. — Hisinger in Bot. Notiser, 1867: 53 (1867) "var."  
*Picea vulgaris* var. *uralensis* Teplouchof in Bull. Soc. Nat. Moscou, 41, 2: 249, fig. 2, 3 (1868).  
*Picea excelsa fennica* Regel, Russ. Dendr. 18 (1870), nom. — Neumann, Sver. Fl. 819 (1901) "f."  
*Picea excelsa* β. *medioxima* (Nyl.) Willkomm, Forstl. Fl. ed. 2, 75 (1887). — Koehne, Deutsche Dendr. 23 (1893) "subsp." — Lipa, Dendrofl. U. R. S. R. 1: 69 (1939).  
*Picea vulgaris* ε. *fennica* (Regel) Beck in Blätt. Ver. Landes. Niederöster. 1890: 74 (1890).  
*Picea excelsa* var. *fennica* subvar. *medioxima* (Nyl.) Schröter in Vierteljahrsschr. Naturf. Ges. Zürich, 43: 140 (Vielgest. Fichte, 20) (1898).  
*Picea excelsa* c. *P. fennica* (Reg.) Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 307 (1913).  
*Picea Abies f. fennica* (Reg.) Lindman, Svensk Fanerog. 39, fig. 49, 3 (1918).  
*Picea fennica* (Reg.) Komarov, Fl. U. R. S. S. 1: 145 (1934).  
*Picea excelsa septentrionalis* Hort. ex Komarov, l. c. (1934), pro syn.
- P. obovata** var. *alpestris* (Bruegg.) Henry in Elwes & Henry, Trees Gr. Brit. Irel. 6: 1360 (1912).  
*Pinus Picea f. medioxima* (Nyl.) sensu Christ, Fl. Suisse, 254 (1883), non *P. Abies* var. *medioxima* Nyl.  
*Picea alpestris* Bruegger in Jahresber. Naturf. Ges. Graubünd. n. ser., 29: 167 (1886).

**Picea obovata** var. **alpestris** (*continued*)

*Picea excelsa alpestris* (Bruegg.) Beissner, Handb. Nadelh. 357 (1891).

*Picea excelsa* v. *P. alpestris* (Bruegg.) Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 306 (1913).

**P. orientalis** (L.) Link in Linnaea, 20: 294 (1847). — Carrière, Traité Conif. 244 (1855).

*Pinus orientalis* Linnaeus, Sp. Pl. ed. 2, 1421 (1763).

*Pinus Abies orientalis* Münchhausen, Hausvat. 5: 225 (1770).

*Pinus-Abies orientalis* Weston, Bot. Univ. 1: 211 (1770).

*Abies orientalis* (L.) Poirét, Encycl. Méth. Bot. 6: 518 (1805).

*Picea Wittmanniana* Carrière, Traité Conif. 260 (1855); ed. 2, 325 (1867), pro syn.

*Abies Wittmanniana* Hort. ex Carrière, Traité Conif. ed. 2, 325 (1867), pro syn.

**P. orientalis** f. **aureo-spicata** Beissner in Mitt. Deutsch. Dendr. Ges. 1906(15): 98 [1907] "f." — Rehder in Bailey, Stand. Cycl. Hort. 5: 2619 (1916) "var."

*Pinus orientalis* f. *aureospicata* Voss in Putlitz & Meyer, Landlex. 4: 771 (1913).

**P. orientalis** f. **aurea** [Otto] Beissner, Syst. Eintheil. Conif. 39 (1897) ("f.") Lipa, Dendrofl. U.R.S.R. 1: 77 (1939) "f."

*Picea orientalis* var. *aurea* Hort. ex Otto in Hamburg. Gart.- & Blumenzeit. 29: 202 (1873). — Hesse ex Beissner, Handb. Nadelh. 376 (1891).

*Abies orientalis aurea* Beissner, Syst. Eintheil. Conif. 39 (1897), pro syn.

**P. orientalis** f. **nana** (Carr.), grad. nov.

*Picea orientalis nana* Carrière in Rev. Hort. 1891: 120 (1891). — [Masters] in Kew Hand-list Conif. 71 (1896) "var."

*Picea orientalis* var. *compacta* Hort. ex Rehder in Bailey, Cult. Evergr. 279 (1923), pro syn.

*Picea orientalis* var. *gracilis nana* Hort. ex Hornibrook, Dwarf Conif. 126 (1923), pro syn.

**P. Koyamai** Shirasawa in Bot. Mag. Tokyo, 27: (128), t. 2, fig. 28-35 (1913).

*Picea koyaiensis* Nakai in Bot. Mag. Tokyo, 33: 195 (1919).

*Picea Moramomi* Hort. ex Rehder in Bailey, Cult. Evergr. 280 (1923), pro syn.

**P. bicolor** (Maxim.) Mayr, Monog. Abiet. Jap. 49, t. 3, fig. 8 (1890). — Wilson, Conif. Taxads Jap. 42 (1916).

*Abies Alcockiana* J. G. Veitch ex Lindley in Gard. Chron. 1861: 23 (1861), p. p. — J. G. Veitch in Gard. Chron. 1862: 308 (1862).

*Abies bicolor* Maximowicz in Bull. Acad. Sci. St. Pétersb. 10: 488 (1866).

*Picea Alcockiana* Carrière, Traité Conif. ed. 2, 343 (1867).

*Picea japonica* Maximowicz in Ind. Sem. Hort. Petrop. 1865: 33 (1866), nom.; 1866: 3 (1867), pro syn.

*Picea bicolor* Regel ex Sénéclauze, Conif. 24 (1868), nom.

*Pinus japonica* Parlatores in De Candolle, Prodr. 16, 2: 431 (1868), sp. dub.

*Pinus Alcockiana* Parlatores in op. cit. 417 (1868).

**P. bicolor** var. **acicularis** (Maxim.) Shirasawa & Koyama in Bot. Mag. Tokyo, 27: (129), t. 2, fig. 1-8 (1913).

*Abies acicularis* Maximowicz in Ind. Sem. Hort. Petrop. 1868: 74 (1869), nom.

**P. bicolor** var. **reflexa** Shirasawa & Koyama in Bot. Mag. Tokyo, 27: (129), t. 2 fig. 9-17 (1913).**P. Glehnii** (Fr. Schmidt) Masters in Gard. Chron. n. ser. 13: 300, fig. 54 (1880). — Wilson, Conif. Taxads Jap. 40 (1916).

*Abies Glehnii* Fr. Schmidt in Mém. Acad. Sci. St. Pétersb., sér. 7, 12, 2: 176, t. 4, fig. 8-12 (Reise Amur Saghal.) (1868).

*Pinus Glehnii* (Mast.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 (1908).

**P. rubens** Sargent, Silva N. Am. 12: 33, t. 597 (1898).

*Pinus-Abies canadensis* 2. *rubescens* Weston, Bot. Univ. 1: 211 (1770).

*Pinus Abies acutissima* Münchhausen, Hausvat. 5: 225 (1770).

*Pinus Mariana rubra* Du Roi, Obs. Bot. 39 (1771).

*Pinus americana rubra* Wangenheim, Beytr. Teutsch. Holzger. Forstwiss. Nordam. Holz. 75, t. 16, fig. 54 (1787).

*Pinus rubra* Lambert, Descr. Pinus 1: 43, t. 28 (1803); non Miller (1768), nec Michaux f. (1810).

*Abies rubra* Poirét, Encycl. Méth. Bot. 6: 520 (1805).

*Picea rubra* (Du Roi) Link, Handb. Erkenn. Gew. 2: 478 (1831), non A. Dietr. (1824).

*Abies nigra* β. Spach, Hist. Nat. Vég. Phan. 11: 377 (1842).

*Abies americana* K. Koch, Dendr. 2, 2: 241 (1873), non Miller (1768), nec Provencher (1862).

*Abies Arctica* Cunningham ex Gordon, Pinet. ed. 2, 17 (1875), pro syn.; non A. Murray (1867).

*Abies rubra Arctica* Hort. ex Gordon, l. c. (1875), pro syn.

*Picea nigra* var. *rubra* Engelman in Gard. Chron. ser. 2, 11: 334 (1879).

*Picea acutissima* J. G. Jack in Gard. & For. 10: 63 (1897), nom. tentat.

*Picea australis* Small, Fl. Southeast. U. S. 30 (1903).

**P. rubens** f. **virgata** (Rehd.) Fernald & Weatherby in Rhodora, 34: 211 (1932).

*Picea rubra* f. *virgata* Rehder in Rhodora, 9: 110 (1907); in Bailey, Stand. Cycl. Hort. 5: 2619 (1916) "var."

**P. mariana** (Mill.) Britton, Sterns & Poggenburg, Prelim. Cat. Pl. New York City, 71 (1888). — Sargent, Silva N. Am. 12: 28, t. 596 (1898).

*Abies mariana* Miller, Gard. Dict. ed. 8, A. no. 5 (1768).

*Pinus Abies mariana* Münchhausen, Hausvat. 5: 224 (1770).

*Pinus-Abies canadensis* 3. *nigricans* Weston, Bot. Univ. 1: 211 (1770).

*Pinus mariana* (Mill.) Du Roi, Obs. Bot. 38 (1771).

*Pinus nigra* Aiton, Hort. Kew. 3: 370 (1789).

*Pinus canadensis* β. *nigra* Castiglioni, Viagg. Stati Uniti, 2: 315 (1790).

*Pinus americana* Gaertner, Fruct. Sem. 2: 60, t. 91, fig. a-e (1791), non Miller (1768).

*Abies denticulata* Michaux, Fl. Bor.-Am. 2: 206 (1803).

*Abies nigra* (Ait.) Poirét, Encycl. Méth. Bot. 6: 520 (1804).

*Pinus denticulata* Michx. ex Muhlenberg, Cat. Pl. Am. Sept. 89 (1813).

*Picea nigra* (L.) Link, Handb. Erkenn. Gew. 2: 478 (1831); in Linnaea 15: 520 (1841) "(Michx.)."

*Picea brevifolia* Peck, Spruces Adirond. 13 (1897).

*Picea nigra* var. *brevifolia* (Peck) Rehder in Bailey, Cycl. Am. Hort. 3: 1334 (1901).

*Picea mariana* var. *brevifolia* (Peck) Rehder in Rhodora, 9: 109 (1907).

*Abies marylandica* hort. ex Beissner, Handb. Nadelh. ed. 2, 257 (1909), pro syn.

**P. mariana** f. **Doumetii** (Carr.) Lipa, Dendrofl. U. R. S. R. 1: 82 (1939).

*Picea nigra Doumetii* Carrière, Traité Conif. 242 (1855). —

- Beissner, Syst. Eintheil. Conif. 34 (1887) "(f.) *Doumetti*." — Hornibrook, Dwarf Conif. 123 (1923) "var. *Doumetti*."
- Abies nigra* var. *Doumeti* (Carr.) Lavallée, Arb. Segrez. 261 (1877).
- Picea mariana* *Doumetti* (Carr.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 34 (Nomencl. Arb. Fl. U. S.) (1897). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 227, fig. 211 (1913) "var. *Doumetii*."
- P. mariana** f. *Beissneri* (Rehd.), grad. nov.
- Picea nigra* (f.) *Mariana* Beissner, Syst. Eintheil. Conif. 34 (1887), nom.; Handb. Nadelh. 336 (1891).
- Picea mariana* var. *Beissneri* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 213 [1916, Jan. ?].
- Picea mariana* var. *Beissneriana* Rehder in Bailey, Stand. Cycl. Hort. 5: 2619 (1916, Oct. 4) "var."
- Picea mariana* var. *compacta* Hornibrook in Chittenden, Conif. Cult. Rep. Conif. Confer. 81 (1932).
- P. mariana** f. *fastigiata* (Carr.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 213 [1916, Jan. ?]; in Bailey, Stand. Cycl. Hort. 5: 2619 (1916, Oct. 4) "var."
- Picea nigra* var. *fastigiata* Carrière, Traité Conif. 242 (1855).
- Abies nigra* *pumila* Carrière, Traité Conif. 242 (1855), pro syn. — Knight ex Gordon, Pinet. 8 (1858).
- Picea mariana* *pumila* (Carr.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 34 (Nomencl. Arb. Fl. U. S.) (1897).
- Pinus mariana* f. *fastigiata* (Carr.) Voss in Putlitz & Meyer, Landlex. 4: 771 (1913).
- P. mariana** f. *nana* (Beissn.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 214 [1916].
- Abies nigra* var. *nana* Jacques in Ann. Fl. Pomone, 5: 328 (1836), nom.; Monog. Fam. Conif. 69 (1837), nom.
- Picea nigra* *nana* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 441 (1884).
- Picea Mariana nana* Beissner, Handb. Conif.-Ben. 58 (1887), pro syn. — Biemüller in Gartenfl. 50: 192, fig. 35 (1901).
- Picea Mariana humilis* Sudworth in U. S. Dept. Agric. Div. For. Bull. 14: 34 (Nomencl. Arb. Fl. U. S.) (1897).
- Pinus mariana* f. *nana* Voss in Putlitz & Meyer, Landlex. 4: 771 (1913).
- P. mariana** f. *ericoides* [Bean] Rehder in Jour. Arnold Arb. 1: 193 (1920); in Bailey, Cult. Evergr. 281 (1923) "var."
- Picea ericoides* Masters in Kew Hand-list Conif. 65 (1896), nom. — Bean, Trees Shrubs, 2: 160 (1914).
- P. glauca** (Moench) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908].
- Abies canadensis* Miller, Gard. Dict. ed. 8, A. no. 4 (1768).
- Pinus Abies alba* Münchhausen, Hausvat. 5: 222 (1770).
- Pinus-Abies canadensis* Weston, Bot. Univ. 1: 211 (1770). — Marshall, Arbust. Am. 103 (1785).
- Pinus glauca* Moench, Verz. Ausl. Bäume Weissenst. 73 (1785).
- Pinus alba* Aiton, Hort. Kew. 3: 371 (1789).
- Pinus canadensis* a. *alba* Castiglioni, Viagg. Stati Uniti, 2: 314 (1790).
- Abies curvifolia* Salisbury in Trans. Linn. Soc. Lond. 8: 315 (1807).
- Abies alba* Michaux, Hist. Arb. Am. Sept. 1: 133, t. 12 (1810), non Miller (1768).
- Picea alba* Link, Handb. Erkenn. Gew. 2: 478 (1831).
- Abies acutissima* Knight ex Perry, Syn. Conif. 37 (1850), p. p.
- Picea canadensis* (Mill.) Britton, Sterns & Poggenburg, Prelim. Cat. Anthoph. Pterid. N. York, 71 (1888). — Sargent, Silva N. Am. 12: 37, t. 698 (1890). — Non Link (1841).
- Picea laxa* (Ehrh.) Sargent in Gard. & For. 2: 496 (1888), non *Pinus laxa* Ehrh.
- P. glauca** f. *coerulea* (Nels.) Rehder in Jour. Arnold Arb. 1: 57 (1919); in Bailey, Cult. Evergr. 282 (1923) "var."
- Abies alba glauca* Dimsdale ex Knight & Perry, Syn. Conif. 36 (1850) nom. — Plumbly ex Gordon, Pinet. 3 (1858).
- Abies alba caerulea* [Nelson], Pinac. 47 (1866).
- Picea alba caerulea* Carrière, Traité Conif. ed. 2, 320 (1867).
- Picea alba glauca* Hort. ex Sénéclauze, Conif. 23 (1868).
- Picea laxa* f. *coerulea* Voss, Vilmor. Blumengärt. 1: 1241 (1896).
- Picea canadensis glauca* (Moench) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 37 (Nomencl. Arb. Fl. U. S.) (1897), p. p.
- Picea alba* var. *argentea* Zederbauer in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, 116: 1938 (1907).
- Picea canadensis* var. *coerulea* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 224 (1913). — Lipa, Dendrofl. U. R. S. R. 1: 80 (1939) "f."
- Pinus glauca* f. *coerulea* Voss in Putlitz & Meyer, Landlex. 4: 771 (1913).
- P. glauca** f. *aurea* (Nels.) Rehder in Jour. Arnold Arb. 1: 57 (1919); in Bailey, Cult. Evergr. 282 (1923) "var."
- Abies canadensis aurea* [Nelson], Pinac. 32 (1866).
- Picea alba aurea* Sénéclauze, Conif. 23 (1868).
- Picea laxa* f. *aurea* Voss, Vilmor. Blumengärt. 1: 1241 (1896).
- Picea canadensis aurea* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 38 (Nomencl. Arb. Fl. U. S.) (1897). — Lipa, Dendrofl. U. R. S. R. 1: 80 (1939) "f."
- P. glauca** f. *nana* (Jacques) Rehder in Jour. Arnold Arb. 1: 57 (1919); in Bailey, Cult. Evergr. 282 (1923) "var."
- Abies alba* var. *nana* Jacques in Ann. Fl. Pom. 5: 326 (1836). — Loudon, Arb. Brit. 4: 2311 (1838).
- Pinus alba nana* (Loud.) Antoine, Conif. 87 (1843?). — Endlicher, Syn. Conif. 113 (1847) "β."
- Picea alba nana* Carrière, Traité Conif. 239 (1855).
- Abies alba prostrata* Hort. ex Beissner, Handb. Nadelh. 342 (1891), pro syn.
- Picea canadensis nana* (Loud.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 38 (Nomencl. Arb. Fl. U. S.) (1897).
- P. glauca** f. *parva* (Victorin) Fernald & Weatherby in Rhodora, 34: 187 (1932).
- Picea canadensis* f. *parva* Victorin in Contrib. Lab. Bot. Univ. Montréal, no. 10: 16, fig. 4 (1927).
- Picea glauca* f. *tabuliformis* Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 121 (1932). — Bailey, Cult. Conif. 108 (1933) "var."
- Picea glauca* var. *procumbens* F. Meyer in Blumen- & Pflanzenbau, 38: 206, fig. (1934).
- P. glauca** var. *densata* Bailey, Cult. Conif. 108 (1933).
- P. glauca** var. *albertiana* (S. Br.) Sargent in Bot. Gaz. 67: 208 (1919).
- Picea columbiana* sensu Rydberg in Mem. New York Bot. Gard. 1: 11 (1900), non Lemmon (1897).
- Picea alba* sensu Rehder in Möller's Deutsch. Gärt.-Zeit. 20: 116, fig. 11 (1905), non Link (1831).
- Picea albertiana* Stew. Brown in Torreyia, 7: 126 (1907).
- Picea alba albertiana* (S. Br.) Beissner, Handb. Nadelh. ed. 2, 273 (1909).

***Picea glauca* va. *albertiana*** (continued)

*Picea canadensis* var. *Albertiana* (S. Br.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 213 (1916).—Lacasagne in Trav. Lab. For. Toulouse, II. **3**, 1: 95, fig. (1934).—Lipa, Dendrofl. U. R. S. R. **1**: 80 (1939) "f."

**P. glauca** f. *conica* Rehder in Jour. Arnold Arb. **1**: 192 (1920) "var. *albertiana* f."—Bailey, Cult. Conif. 108, pl. 27 (1933) "var."

*Picea Albertiana* A. C. B. in Gard. Chron., ser. 3, **69**: 223, fig. 97 (1921), non Stew. Brown (1907).

*Picea albertiana conica* Bean in Gard. Chron., ser. 3, **69**: 255 (1921); Trees Shrubs Brit. Isl. **3**: 280 (1933) "var. c."—Hornibrook, Dwarf Conif., ed. 2, 179, t. (1939) "var."

*Picea alba* var. *Albertiana* f. *conica* (Rehd.) Hornibrook, Dwarf Conif. 82, t. (1923).

Sect. II. CASICTA Mayr, Monog. Abiet. Jap. 44 (1890).

*Picea* sect. *Alcockiana* Pardé in Bull. Soc. Dendr. France, **1911**: 9 (1911), p. p.

*Picea* sect. *Bicolor* Fitzpatrick in Sci. Proc. Roy. Irish Acad. n. ser. **19**: 198 (1929), p. p.

*Veitchia* Lindley in Gard. Chron. **1861**: 265 (1861).

**P. Engelmanni** (Parry) Engelmann in Trans. Acad. Sci. St. Louis, **2**: 212 (1863).—Sargent, Silva N. Am. **12**: 43, t. 599 (1898).—Little in Am. Jour. Bot. **31**: 593 (1944).

*Abies Engelmanni* Parry in Trans. Acad. Sci. St. Louis, **2**: 122 (1863), nom.—Parry ex Engelmann in Gard. Chron. **1863**: 1035 (1863).

*Pinus commutata* Parlatore in De Candolle, Prodr. **16**: 2: 417 (1868).

*Picea columbiana* Lemmon in Gard. & Forest, **10**: 183 (1897).

*Picea Engelmanni* var. *columbiana* (Lemm.) Beissner in Mitt. Deutsch. Dendr. Ges. **1897**(6): 52 (1897).

**P. Engelmanni** f. *glauca* [R. Sm.] Beissner, Syst. Eintheil. Conif. 35 (1887) "(f.)"—Voss, Vilmor. Blumengärt. **1**: 1242 (1896).—Rehder in Bailey, Cycl. Am. Hort. **3**: 1334 (1901) "var."

*Abies Engelmanni glauca* R. Smith, Pl. Fir Tribe 4 (1871?).

*Picea Engelmanni griseifolia* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 39 (Nomencl. Arb. Fl. U. S.) (1897).

**P. Engelmanni** f. *argentea* (Beiss.) Voss, Vilmor. Blumengärt. **1**: 1242 (1896).

*Picea Engelmanni argentea* Hort. ex Beissner, Handb. Nadelh. 345 (1891).—Rehder in Bailey, Cycl. Am. Hort. **3**: 1334 (1901) "var."

*Picea Engelmanni argyrophylla* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 39 (Nomencl. Arb. Fl. U. S.) (1897).

**P. Engelmanni** f. *Fendleri* (Henry), grad. nov.

*Picea Engelmanni* (f.) *pendula* Hort. Wernig. ex Schelle, Winterh. Nadelh. Mitteleur. 98 (1909), non *P. E. glauca pendula* Beissn. (1899).

*Picea Engelmanni* var. *Fendleri* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **6**: 1387 (1912).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 28 (1940).

**P. Engelmanni** f. *microphylla* (Beissn.) Voss, Vilmor. Blumengärt. **1**: 1242 (1896).

*Picea Engelmanni microphylla* Hesse ex Beissner, Handb. Nadelh. 345 (1891).—Hesse ex Hornibrook, Dwarf Conif. 83 (1923) "var."

*Picea Engelmanni minutifolia* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 39 (Nomencl. Arb. Fl. U. S.) (1897).

**P. Hurstii** (*P. Engelmanni* × *pungens*) De Hurst [Seed Cat. 1938?].—Schumacher, Seeds Nurs. For. **1938–39**: 5 (1938), nom. nud.

**P. pungens** Engelmann in Gard. Chron. n. ser., **11**: 334 (1879).—Sargent, Man. Trees N. Am. ed. 2, 39, fig. 43 (1922).

*Abies Menziesii* sensu Engelmann in Am. Jour. Sci. ser. 2, **34**: 330 (1862), non Lindley (1833).

*Picea Menziesii* Engelmann in Trans. Acad. Sci. St. Louis, **2**: 214 (1863), non Carrière (1855).

*Picea Menziesii Parryana* André in Ill. Hort. **23**: 198 (1876).

*Picea Parryana* Barrow ex Freudenberg, Bekannt. Cult. Nadelh. 6 (1886), nom. subnud.—Sargent in Gard. & For. **10**: 481 (1897); Silva N. Am. **12**: 47, t. 600 (1898).

*Pinus Parryana* (Ehrh. 1788) ex Voss in Mitt. Deutsch. Dendr. Ges. **1907**(16): 93 [1908], non Gordon (1858), nec Engelmann (1862).

*Pinus armata* Voss in op. cit. 95 [1908], nom. event.

**P. pungens** f. *viridis* (Reg.) Lipa, Dendrofl. U. R. S. R. **1**: 88 (1939).

*Picea pungens* a. *viridis* Regel, Russ. Dendr. ed. 2, 37 (1883).

*Picea commutata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [3]: 1334 (1901), pro syn.

*Picea pungens* f. *typica* Schwerin in Mitt. Deutsch. Dendr. Ges. **1920**(29): 232 (1920).

**P. pungens** f. *glauca* [Reg.] Beissner, Syst. Eintheil. Conif. 35 (1887) "(f.)"—Voss, Vilmor. Blumengärt. **1**: 1242 (1896).

*Picea pungens* β. *glauca* Regel, Russ. Dendr. ed. 2, 37 (1883).

*Picea Parryana* b. *glauca* Freudenberg, Bekannt. Kult. Nadelh. 6 (1886).

*Abies commutata glauca* Chargueraud in Rev. Hort. **1889**: 428 (1889).

*Picea pungens glaucescens* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 40 (Nomencl. Arb. Fl. U. S.) (1897).

*Picea Parryana glaucescens* Sudworth in op. cit. **17**: 22 (Check List For. Trees U. S.) (1898).

*Pinus Parryana* f. *glauca* (Beiss.) Voss in Putlitz & Meyer, Landlex. **4**: 772 (1913).

**P. pungens** f. *coerulea* (Beiss.) Voss, Vilmor. Blumengärt. **1**: 1242 (1896).

*Picea pungens coerulea* Hort. ex Beissner, Handb. Nadelh. 347 (1891).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 228 (1913) "var."—Rehder in Bailey, Stand. Cycl. Hort. **5**: 2620 (1916) "var. *caerulea*."

**P. pungens** f. *argentea* [Rosenthal] Beissner, Syst. Eintheil. Conif. 35 (1887).—Voss, Vilmor. Blumengärt. **1**: 1242 (1896).

*Picea pungens* (f.) *argentea* Beissner, Syst. Eintheil. Conif. 35 (1887, April), nom.—Rosenthal in Wien. Ill. Garten-Zeit. **12**: 485, t. 4 (1887, Dec.) "*P. Parryana argentea glauca*" in t.—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 228, t. 7 (1913).

*Picea Parryana argentea* (Beiss.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. **17**: 22 (Nomencl. Arb. Fl. U. S.) (1898).

*Picea pungens* var. *Kosteri* Beissner, Handb. Nadelh. ed. 2, 279, fig. 60 (1909).

- Pinus Parryana* f. *argentea* (Beiss.) Voss in Putlitz & Meyer, *Landlex.* 4: 772 (1913).
- P. pungens f. pendens** (Sudw.) grad. nov.  
*Picea pungens glauca pendula* Beissner, *Handb. Nadelh.* 348 (1891); in *Mitt. Deutsch. Dendr. Ges.* 1898(7): 26 (1898). — Mouillefert, *Traité Arb. Arbriss.* 2: 1277 (1898) "var. *glauca* subvar. *pendula*." — Non *p. pungens* f. *pendula* Schwerin in *Mitt. Deutsch. Dendr. Ges.* 1920(29): 234 (1920) = forma ramis pendulis, foliis viridibus, non var. *p.* Zederbauer (1907).  
*Picea pungens glauca pendens* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 40 (Nomencl. Arb. Fl. U. S.) (1897).  
*Picea Parryana glauca pendens* Sudworth in op. cit. 17: 22 (Check List For. Trees U. S.) (1898).  
*Picea pungens argentea pendula* Beissner in *Mitt. Deutsch. Dendr. Ges.* 1899(15): 115 (1899), cf. p. 144; nom. subnud.  
*Picea Parryana glauca pendula* André in *Rev. Hort.* 1901: 181, fig. 67 (1901).  
*Picea pungens* var. *kosteriana* [Masters in] *Kew Handlist Conif.* ed. 2, 85 (1903), nom. — Henry in *Elwes & Henry, Trees Gt. Brit. Irel.* 6: 1390 (1912) "*Kosteriana*." — Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 29 (1940). — Lipa, *Dendrofl. U. R. S. R.* 1: 88, photo. 23 (1939) "f."  
*Picea pungens* var. *pendula* Zederbauer in *Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien*, 116: 1938 (1907).  
*Picea pungens* f. *glauca-pendula* (Mast.) Schwerin in *Mitt. Deutsch. Dendr. Ges.* 1920(29): 234 (1920).
- P. pungens f. compacta** Rehder in *Mitt. Deutsch. Dendr. Ges.* 1915(24): 214 [1916, Jan.]; in Bailey, *Stand. Cycl. Hort.* 5: 2620 (1916) "var." — Hornibrook, *Dwarf Conif.* 127, t. (opp. p. 128) (1923) "var."
- P. pungens f. Hunnewelliana** (Hornibr.), grad. nov.  
*Picea pungens* var. *Hunnewelliana* Hornibrook, *Dwarf Conif.* 128, t. (1923).
- P. likiangensis** (Franch.) Pritzl in *Bot. Jahrb.* 29: 217 (1900). — Lacassagne in *Trav. Lab. For. Toulouse*, II, 3,1: 146, fig. (Ét. Anat. Syst. Picea) (1934).  
*Abies likiangensis* Franchet in *Jour. de Bot.* 13: 257 (1899).  
*Picea Alcockiana* sensu Masters in *Jour. Linn. Soc. Lond. Bot.* 37: 418 (1906), non Carrière.  
*Picea yunnanensis* Hort. ex Wilson in *Jour. Arnold Arb.* 7: 47 (1926), pro syn. — Dallimore in Chittenden, *Conif. Cult. Rep. Conif. Confer.* 26 (1932). — Lacassagne in *Trav. Lab. For. Toulouse*, II, 3,1: 246, fig. (Ét. Anat. Syst. Picea) (1934).
- P. likiangensis** var. *Balfouriana* (Rehd. & Wils.) Cheng (in lit., May 15, 1939) ex Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 29 (1940).  
*Picea Balfouriana* Rehder & Wilson in *Sargent, Pl. Wilson.* 2: 30 (1914). — Lacassagne in *Trav. Lab. For. Toulouse*, II, 3,1: 74, fig. (Ét. Anat. Syst. Picea) (1934).
- P. purpurea** Masters in *Jour. Linn. Soc. Lond. Bot.* 37: 418 (1906). — Lacassagne in op. cit. 212, fig. (1934).  
*Picea likiangensis* var. *purpurea* (Mast.) Dallimore & Jackson, *Handb. Conif.* 334, fig. 74 (1923).
- P. montigena** Masters in *Gard. Chron. ser. 3*, 39: 146, fig. 56 (1906), exclud. strobilo. — Patschke in *Bot. Jahrb.* 48: 632 (1913). — Rehder & Wilson in *Sargent, Pl. Wilson.* 2: 33 (1914), emend.
- P. jezoensis** (Sieb. & Zucc.) Carrière, *Traité Conif.* 255 (1855). — Wilson, *Conif. Taxads Jap.* 44, t. 27, 28 (1916), cum syn. multis.  
*Abies jezoensis* Siebold & Zuccarini, *Fl. Jap.* 2: 19, t. 110 (1842).  
*Pinus jezoensis* Antoine, *Conif.* 97, t. 37, fig. 1 (1847).  
*Abies ajanensis* Lindley & Gordon in *Jour. Hort. Soc. Lond.* 5: 212 (1850), nom., sphalm. "*A. ajanensis*"; cum syn. "*Picea ajanensis*." — Knight & Perry, *Syn. Conif.* in "Errata" [1850?] "*Picea ajanensis*" p. 39, nom. — Ruprecht & Maximowicz in *Bull. Phys.-Math. Acad. Sci. St. Pétersb.* 15: 382 (in *Mél. Biol.* 2: 566. 1858) (1857).  
*Picea ajanensis* Fischer ex Carrière, *Traité Conif.* 259 (1855), descr. manca. — Fischer ex Trautvetter & Meyer in *Middendorff, Reise Sibir.* 1, 2: 87 (Fl. Ochot.) (1856). — Trautvetter & Maximowicz in *Mém. Div. Sav. Acad. Sci. St. Pétersb.* 9: 261 (Prim. Fl. Amur.) (1859).  
*Pinus firma* var. *β. jezoensis* Endlicher, *Syn. Conif.* 99 (1847).  
*Abies firma β. jezoensis* Carrière, *Traité Conif.* 212 (1855).  
*Abies microsperma* Lindley in *Gard. Chron.* 1861: 22 (1861).  
*Picea microsperma* Carrière, *Traité Conif.* ed. 2, 339 (1867).  
*Abies Menziesii* sensu Franchet & Savatier, *Enum. Pl. Jap.* 1: 467 (1875), non Lindley (1833).  
*Picea ajanensis* var. *microsperma* (Lindley) Masters in *Gard. Chron. ser. 2*, 13: 115 (1880).  
*Abies ajanensis microsperma* Veitch, *Man. Conif.* 66 (1881).  
*Tsuga ajanensis* Regel, *Russ. Dendr.* ed. 2, 39 (1883).  
*Pinus jezoensis* f. *microsperma* (Mast.) Voss in Putlitz & Meyer, *Landlex.* 4: 772 (1913).
- P. jezoensis** var. *hondoensis* (Mayr) Rehder in *Mitt. Deutsch. Dendr. Ges.* 1915(24): 214 [1916].  
*Abies Alcoquiana* J. G. Veitch ex Lindley in *Gard. Chron.* 1861: 23 (1861), p. p.  
*Picea hondoensis* Mayr, *Monog. Abiet. Jap.* 51, t. 4, fig. 9 (1890). — Lacassagne in *Trav. Lab. For. Toulouse* II, 3,1: 129, fig. (Ét. Anat. Syst. Picea) (1934).  
*Pinus hondoensis* (Mayr) Voss in *Mitt. Deutsch. Dendr. Ges.* 1907(16): 93 [1908].  
*Picea ajanensis* var. *microsperma* sensu Beissner, *Handb. Nadelh.* ed. 2, 291 (1909), non Masters (1880).
- P. Moseri** [*P. jezoensis* × *mariana*] Masters in *Jour. Hort. Soc. Lond.* 26: 102, fig. 29 (1901) "*P. ajanensis* × *nigra Doumetii*."
- P. Saaghii** [*P. jezoensis* × *glauca*] Gayer in *Mitt. Deutsch. Dendr. Ges.* 1929(41): 404 (1929) "*P. ajanensis* × *canadensis*."
- P. notha** (*P. Glehnii* × *jezoensis* var. *hondoensis*) Rehder in *Jour. Arnold Arb.* 20: 85 (1939).
- P. sitchensis** (Bong.) Carrière, *Traité Conif.* 260 (1855). — Sargent, *Silva N. Am.* 12: 55, t. 602 (1898). — Little in *Am. Jour. Bot.* 31: 588 (1944).  
*Pinus sitchensis* Bongard in *Mém. Acad. Sci. St. Pétersb.* 2: 163 (Obs. Végét. Sitcha, 54. 1832) (1833).  
*Abies trigona* Rafinesque, *Med. Fl.* 2: 182 (1830), nom.; in *Atlant. Jour.* 1: 119 (1832).  
*Abies falcata* Rafinesque, l. c. (1830), nom.; in op. cit. 120 (1832).  
*Pinus Menziesii* Dougl. ex D. Don in *Lambert, Descr. Pinus*, ed. 3, 2: p. sine num. inter 144 et 145 inserta (1832).  
*Abies Menziesii* Lindley in *Penny Cycl.* 1: 32 (1833).  
*Abies Pseudo-Menziesii* Wenderoth, *Pflanz. Bot. Gart. i. Conif.* 17 (1851).

***Picea sitchensis*** (continued)

*Picea sitkaensis* Mayr, Wald. Nordam. 338 (1890). — Beissner, Handb. Nadelh. ed. 2, 292 (1909).

*Pinus sitkaensis* Bongard ex Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908].

*Pinus sitkaensis* f. *Menziesii* Voss in Putlitz & Meyer, Landlex. 4: 772 (1913).

?*Picea falcata* (Raf.) Suringar in Mitt. Deutsch. Dendr. Ges. 1927(38): 321 (1927). — Fitschen in Beissner, Handb. Nadelh. ed. 3, 274, fig. 70 (1930).

***P. sitchensis* f. *speciosa*** (Beiss.), grad. nov.

*Picea sitchensis speciosa* Beissner, Handb. Nadelh. 392 (1891). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 234, fig. 65 (1913) "var."

*Picea sitkaensis speciosa* Beissner, Einheitl. Conif.-Ben. 26 (1891).

*Pinus sitkaensis* f. *speciosa* (Beiss.) Voss in Putlitz & Meyer, Landlex. 4: 772 (1913).

Sect. III. OMORICA Willkomm, Forstl. Fl. ed. 2, 66 (1887). — Mayr, Monog. Abiet. Jap. 44 (1890).

*Picea* I. Omorika Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 194 (1897).

***P. brachytyla*** (Franch.) Pritzl in Bot. Jahrb. 29: 216 (1900). — Lacassagne in Trav. Lab. For. Toulouse II. 3, 1: 79, fig. (Ét. Anat. Syst. Picea) (1934).

*Abies brachytyla* Franchet in Jour. de Bot. 13: 258 (1899), exclud. specim. Delavay.

*Picea ajanensis* sensu Masters in Jour. Linn. Soc. Lond. Bot. 26: 553 (1902), non Carrière (1855).

*Picea Alcockiana* sensu Masters in Jour. Bot. 41: 269 (1903), non Carrière (1867).

*Picea pachyclada* Patschke in Bot. Jahrb. 47: 630 (1913).

*Picea Sargentiana* Rehder & Wilson in Sargent, Pl. Wilson. 2: 35 (1914).

*Picea brachytyla* f. *latisquama* Stapf in Bot. Mag. 148: t. 8969, [p. 4] (1922). — Lacassagne in Trav. Lab. For. Toulouse, II. 3, 1: 83, fig. (Ét. Anat. Syst. Picea) (1934).

***P. brachytyla* f. *rhombisquama*** Stapf in Bot. Mag. 148: t. 8969 [p. 4] (1922).

*Picea ascendens* Patschke in Bot. Jahrb. 47: 630 (1913). — Lacassagne in Trav. Lab. For. Toulouse, II. 3, 1: 62 (Ét. Anat. Syst. Picea) (1934).

***P. brachytyla* var. *complanata*** (Mast.) Cheng ex Hu in Proc. Fifth Pacif. Sci. Congr. 4: 3277 (1934).

*Picea complanata* Masters in Gard. Chron. ser. 3, 39: 146, fig. 57 (1906), exclud. strobilo immat. — Lacassagne in Trav. Lab. For. Toulouse, II. 3, 1: 99, fig. (Ét. Anat. Syst. Picea) (1934).

*Picea brachytyla* sensu Stapf in Bot. Mag. 148: t. 8969 (1922), non Pritzl (1900).

***P. Omorika*** (Pančić) Purkyne in Oester. Monatschr. Forstwes. 27: 446 (1877). — Stein in Gartenfl. 36: 13, fig. 4, 5 (1887) "*Omorica*." — Fitschen in Beissner, Handb. Nadelh. ed. 3, 278, fig. 71, 72 (1830) "*omorica*."

*Pinus Omorika* Pančić, Neue Conif. Oestl. Alp. 4 (1876). — Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908] "*omorica*."

*Abies Omorika* Nyman, Consp. Fl. Eur. 673 (1881).

***P. Breweriana*** S. Watson in Proc. Am. Acad. Arts Sci. 20: 378 (1885). — Sargent, Silva N. Am. 12: 51, t. 601 (1898). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 83, t. 29 (1906). — Melville in Bot. Mag. 161: t. 9543 (1938).

*Picea pendula* S. Watson, Bot. Calif. 2: 122 (1880), nom. subnud.

*Pinus Breweriana* (S. Wats.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908].

***P. spinulosa*** (Griff.) Henry in Gard. Chron. ser. 3, 39: 219 (1906).

*Abies spinulosa* Griffith, Jour. 259 (1847).

*Picea alcockiana* var. *morindoides* Mottet, Conif. Taxac. 273 (1902), nom. nud.

*Picea morindoides* Rehder in Sargent, Trees & Shrubs, 1: 95, t. 48 (1903).

**PSEUDOLARIX** Gordon, Pinet. 292 (1858).

*Abies* Lindley in Gard. Chron. 1854: 255 (1854), quoad *A. Kaempferi*, exclud. syn.

*Larix* Carrière in Fl. des Serr., 11: 97 (1856), quoad *L. Kaempferi*.

*Pinus* subgen. *Sapinus* Endl. Sect. *Pseudolarix* Parlatores in De Candolle, Prodr. 16, 2: 412 (1868).

*Laricopsis* Kent, Veitch's Man. Conif. ed. 2, 403 (1900).

TYPUS: *Abies Kaempferi* Lindl. = *P. amabilis* (Nels.) Rehd.

***P. amabilis*** (Nelson) Rehder in Jour. Arnold Arb. 1: 53 (1919).

*Abies Kaempferi* Lindley in Gard. Chron. 1854: 255, 455, fig. (1854), exclud. syn.; non Lindley (1833).

*Larix Kaempferi* (Lindl.) Carrière in Fl. des Serr. 11: 97 (1856).

*Pseudolarix Kaempferi* Gordon, Pinet. 292 (1858).

*Larix amabilis* [Nelson], Pinac. 84 (1866).

*Pinus Kaempferi* Parlatores in De Candolle, Prodr. 16, 2: 412 (1868), non Lambert (1828).

*Pseudolarix Fortunei* Mayr, Monog. Abiet. Jap. 99 (1890).

*Laricopsis Kaempferi* (Lindl.) Kent, Veitch's Man. Conif., ed. 2, 404, fig. 105, 106 (1900).

**LARIX** Miller, Gard. Dict. abridg. ed. 4, 2 (1754), sp. no. 3 exclud. — Jussieu, Fam. Pl. 480 (1763). — Ostenfeld & Syrach-Larsen in Biol. Medel. Dansk. Vidensk. Selsk. 9, 2: 177 pp., fig. (1930).

*Pinus* Linnaeus, Sp. Pl. 1000 (1753) quoad *P. Larix*; Gen. Pl. ed. 5, 434 (1754), p. p.

*Pinus* III. *Larix* Münchenhausen, Hausvat. 5: 226 (1770), p. p. — Nuttall, Gen. N. Am. Pl. 2: 223 (1818) "\* \* *Larix*." — Sweet, Hort. Brit. ed. 2, 475 (1830) "group."

— Koch, Syn. Fl. Germ. Helv. ed. 2, 2: 769 (1844) "sect." — Endlicher, Syn. Conif. 128 (1847) "sect."

*Pinus-Larix* Weston, Bot. Univ. 1: 210 (1770), p. p.

*Abies* Poirer, Encycl. Méth. Bot. 6: 511 (1805), quoad *A. larix*.

*Peuce* L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810), p. p.

*Abies* sect. 3. *Larix* De Candolle ex Koch, Syn. Fl. Germ. Helv. 667 (1837).

*Pinus* subgen. *Sapinus* Endl. sect. II. *Larix* (Endl.) Parlatores in De Candolle, Prodr. 16, 2: 409 (1868).

LECTOTYPUS: *Pinus Larix* L. = *L. decidua* Mill.

***L. Potaninii*** Batalin in Act. Hort. Petrop. 13: 385 (1893).

— Rehder & Wilson in Sargent, Pl. Wilson. 2: 18 (1914).

*Larix chinensis* Beissner in Mitt. Deutsch. Dendr. Ges. 1896(5): 68 (1896).

*Larix thibetica* Franchet in Jour. de Bot. 13: 262 (1899).

*Larix Griffithii* sensu Masters in Jour. Linn. Soc. Lond. Bot. 26: 558 (1902); 37: 424 (1906); non Hooker f. & Thomson (1855).

*Pinus sinensis* (Beiss.) Voss in Putlitz & Meyer, Landlex 4: 769 (1913), non Lambert (1832).



- L. Mastersiana** Rehder & Wilson in Sargent, Pl. Wilson. 2: 19 (1914).
- L. Lyallii** Parlatores in Enum. Sem. Hort. Bot. Florent. 1863: 259 (1863). — Seemann in Jour. Bot. 1: 35 (1863). — Sargent, Silva N. Am. 12: 15, t. 595 (1898).  
*Pinus Lyallii* (Parl.) Parlatores in De Candolle, Prodr. 16,2: 412 (1868).
- L. occidentalis** Nuttall, N. Am. Sylva, 3: 143 (1849). — Sargent, op. cit. 11, t. 594 (1898).  
*Pinus Nuttallii* Parlatores in De Candolle, Prodr. 16,2: 412 (1868); non *P. occidentalis* Swartz (1788).
- L. Griffithiana** Hort. ex Carrière, Traité Conif. 278 (June, 1855). — Gordon, Pinet. 126 (1858).  
*Abies Griffithiana* Hooker f. ex Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 214 (1850), nom. subnud.  
*Larix Griffithii* Hooker f., Himal. Jour. 2: 44 (1854), nom. — Hooker f. & Thomson, Ill. Himal. Pl. t. 21 (July 1855), exclud. fig. 1-4. — Hooker f., Fl. Brit. Ind. 5: 655 (1888). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 32 (1940).  
*Pinus Larix Griffithii* (Hook. f. & Thoms.) Courtin, Fam. Conif. 65 (1858).  
*Pinus Griffithii* (Hook. f. & Thoms.) Parlatores in De Candolle, Prodr. 16, 2: 411 (1868), non McClelland (1854).  
*Pinus Griffithiana* (Lindl. & Gord.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 93 [1908].
- L. leptolepis** (Sieb. & Zucc.) Gordon, Pinet. 128 (1858). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 384, t. 108 (1907).  
*Pinus Larix* sensu Thunberg, Fl. Jap. 275 (1784), non Linnaeus (1753).  
*Pinus Kaempferi* Lambert, Descr. Pinus, ed. 2, 1: vii (1828), nom. subnud.  
*Abies Kaempferi* Lindley in Penny Cycl. 1: 34 (1833), nom.  
*Abies leptolepis* Siebold & Zuccarini, Fl. Jap. 2: 12, t. 105 [1842].  
*Pinus leptolepis* (Sieb. & Zucc.) Endlicher, Syn. Conif. 130 (1847).  
*Larix japonica* Hort. ex Endlicher, l. c. (1847), pro syn. — Carrière, Traité Conif. 272 (1855).  
*Larix orientalis* Hort. ex B. D. Jackson in Ind. Kew. 2: 31 (1895), pro syn.  
*Larix Kaempferi* (Lamb.) Sargent, Silva N. Am. 12: 2, note 2 (1898). — Wilson, Conif. Taxads Jap. 30, t. 15, 16 (1916). — Non Carrière (1856).
- L. leptolepis f. minor** (Murray), grad. nov.  
*Larix leptolepis* var. *minor* Murray in Proc. Hort. Soc. Lond. 2: 637, fig. 155 (1862).  
*Larix Kaempferi* var. *β. nana* Masters in Jour. Linn. Soc. Lond. Bot. 18: 523 (1881), nom.  
*Larix Kaempferi* var. *minor* (Murr.) Sargent, Silva N. Am. 12: 2 (1899).  
*Larix leptolepis β. Murrayana* Maximowicz in Ind. Sem. Hort. Petrop. 1866: 3 (1867).  
*Larix leptolepis dumosa* Beissner in Mitt. Deutsch. Dendr. Ges. 1902(11): 73 (1902).  
*Larix Kaempferi* var. *dumosa* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 213 (1913).
- L. leptolepis f. pendula**, grad. nov.  
*Larix leptolepis pendula* Beissner in Mitt. Deutsch. Dendr. Ges. 1897(6): 92 (1897); 1902(11): 73 (1902). — Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1938 (1907) "var."
- Larix Kaempferi* var. *pendula* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 213 (1913). — Lipa, Dendrofl. U. R. S. R. 1: 103 (1939) "f."
- L. eurolepis** (*L. decidua* × *leptolepis*) Henry in Gard. Chron. ser. 3, 66: 4 (Jan. 1919); Henry in Henry & Flood in Proc. Roy. Irish Acad. 35B: 60, t. 11 (Sept. 1919).  
*Larix europaea* × *leptolepis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 388 (1907). — J. M. Murray in Trans. Scott. Arb. Soc. 29: 149, t. 15 (1915).  
*Larix hybrida* Farquhar, Cat. New Rare Pl. 7 (1916), nom. — Rehder in Bailey, Stand. Cycl. Hort. 6: 3569 (1916). — Non Schröder (1894).  
*Larix Henryana* Rehder in Jour. Arnold Arb. 1: 52 (July 1919).
- L. marschlini** [*L. leptolepis* × *sibirica*] Coaz in Schweiz. Zeitschr. Forstwes. 68: 12, fig. 4 (1917) "*L. leptolepis* × *decidua*." — Henry & Flood in Proc. Roy. Irish Acad. 35B: 55 (1919) "*L. leptolepis* × *sibirica*."
- L. decidua** Miller, Gard. Dict. ed. 8, L. no. 1 (1768).  
*Pinus Larix* Linnaeus, Sp. Pl. 1001 (1753).  
*Pinus-Larix Larix* Weston, Bot. Univ. 1: 210 (1770).  
*Pinus Larix* var. *alba* et var. *rubra* C. F. Ludwig, Neu. Wilde Baumz. 33 (1783), nom.  
*Larix caducifolia* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 413 (1790).  
*Pinus laeta* Salisbury, Prodr. Stirp. Chap. Allert. 399 (1796).  
*Abies Larix* Poiret, Encycl. Méth. Bot. 6: 511 (1805).  
*Larix europaea* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 277 (1805).  
*Peuce Larix* L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810).  
*Larix gracilis* A. Dietrich, Fl. Geg. Berlin, 797 (1824).  
*Larix Europaea communis* Lawson, Agric. Man. 386 (1836).  
*Pinus Larix* var. *a. communis* (Laws.) Endlicher, Syn. Conif. 134 (1847).  
*Larix decidua a. communis* Henkel & Hochstetter, Syn. Nadelh. 130 (1865).  
*Larix europaea a. typica* Regel, Russ. Dendr. 28 (1870).  
*Larix Larix* (L.) Karsten, Deutsche Fl. Pharm.-med. Bot. 326 (1881?).
- L. decidua f. pendula** (Laws.) R. E. Fries in Act. Hort. Berg. 6,4: 5, t. 1, fig. 4-7 (1919).  
*Larix europaea pendula* Lawson, Agric. Man. 386 (1836). — Kent, Veitch's Man. Conif. ed. 2, 392, fig. 99 (1900) "var." — Beissner, Syst. Eintheil. Conif. 33 (1887) "(f.)"  
*Pinus Larix* var. *β. pendula* Endlicher, Syn. Conif. 134 (1847).  
*Abies Larix* (c) *pendula* Hort. ex Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 213 (1850).  
*Larix decidua pendula* Hort. ex Henkel & Hochstetter, Syn. Nadelh. 134 (1865). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 217 (1913) "var."  
*Larix europaea β. pendulina* Regel, Russ. Dendr. 28 (1870).  
*Larix decidua δ. pendulina* Regel in Gartenfl. 20: 101, t. 684, fig. 5, 6 (1871).
- L. decidua var. polonica** (Racib.) Ostenfeld & Syrach-Larsen in Pflanzenareale, 2: 63 (1930); in Biol. Meddel. Dansk. Vidensk. Selsk. 9, 2: 78, fig. 24 (1930).  
*Larix polonica* Raciborski in Kosmos (1890) ex Safer in Kosmos (Kopernika), 38: 1298 (1913); Raciborski in

**Larix decidua** var. **polonica** (*continued*)

- Raciborski & Szafer, Fl. Polska, 51, fig. 12, F<sub>1</sub>-F<sub>3</sub> (1919), cum descr. Latin.
- Larix polonica typica* Szafer in Kosmos (Kopernika), 38: 1303 (1913).
- L. sibirica** Ledebour, Fl. Alt. 4: 204 (1833). — Komarov, Fl. S.S.S.R. 1: 155, t. 7, fig. 1, 2, 15 (1934).
- Pinus Larix* d. *sibirica* Münchhausen, Hausvat. 5: 226 (1770). — (Fisch.) Antoine, Conif. 51 (1840).
- Pinus Laryx Europaeae* Pallas, Fl. Ross. 1: 2, t. 1, fig. A.-D (1784).
- Larix Sibirica* Sabine in Trans. Hort. Soc. Lond. 4: 417 (1821) "*Sabirica*," nom. subnud.
- Larix intermedia* Fischer ex Turczaninov in Ukaz. Otkr. Fizik. Khim. Estestv. Ist. Tekhn. [Schtschegloff, Anz. Entdeck. Phys. Chem. Naturgesch. Techn.] 8: 411? (1831); reprint: Besser in Flora, Beibl. 1: 24 (1834), nom. nud. — Lawson, Agric. Man. 389 (1836), nom. subnud.
- Pinus intermedia* (Fisch.) Turczaninov in Bull. Soc. Nat. Moscou, 1838(11): 101 (1838). — Loddiges Cat. (1836) ex Parlature in De Candolle Prodr. 16.2: 411 (1868), pro syn.; non Pott (1800).
- Pinus Larix* 11. *intermedia* (Laws.) Antoine, Conif. 52 (1840).
- Pinus Larix* var. *γ. russica* Endlicher, Syn. Conif. 134 (1847). — Courtin, Fam. Conif. 66 (1858) "*rossica*."
- Larix europaea* var. 8. *sibirica* (Fisch.) Loudon, Arb. Brit. 4: 2352 (1838).
- Abies Ledebourii* Ruprecht, Beitr. Pflanzenk. Russ. Reich, 2: 56 (1845).
- Pinus Ledebouri* (Rupr.) Endlicher, Syn. Conif. 131 (1847). — Parlature in De Candolle, Prodr. 16.2: 410 (1868).
- Larix decidua* var. *rossica* Henkel & Hochstetter, Syn. Nadelh. 132 (1865). — (Sabine) Regel in Gartenfl. 20: 101, t. 684, fig. 4 (1871), "Russian Larch" Sabine in Trans. Hort. Soc. Lond. 4: 416 [1821].
- Larix decidua* var. *sibirica* (Ledeb.) Regel in Gartenfl. 1. c., fig. 1, 2 (1871).
- Larix rossica* Sabine ex Trautvetter in Act. Hort. Petrop. 9: 212 (1884).
- Larix europaea* var. *rossica* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 469 (1884).
- Larix sibirica typica* Szafer in Kosmos (Kopernika), 38: 1293 (1913).
- L. Gmelini** (Rupr.) [Ruprecht, Fl. bor.-ural. 48 (1854), nom. altern. in indice; in E. Hofmann, Nördl. Ural. 2(app.): 8 (1856). — Ledebour ex Gordon, Pinet. 123 (1858), pro syn. —] Kuzeneva in Trav. Mus. Bot. Acad. Sci. Russ. 18: 41 (1920). — Litvinov in Sched. Herb. Fl. Ross. 8: 77, no. 2546 (1922).
- Larix europaea* var. 9. *dahurica* (Laws.) Loudon, Arb. Brit. 4: 2352 (1838).
- Pinus Larix* 10. *dahurica* (Laws.) Antoine, Conif. 51 (1840?).
- Abies Gmelini* Ruprecht, Beitr. Pflanzenk. Russ. Reich. 2: 56 (1845).
- Larix dahurica* Lawson, Agric. Man. 389 (1836), nom. — Turczaninov ex Trautvetter, Pl. Imag. Fl. Russ. [fasc. 7] 48, t. 32 (1846). — Wilson, Conif. Taxads Jap. 32, t. 15 (1916).
- Pinus dahurica* Fischer ex Turczaninov in Bull. Soc. Nat. Moscou, 1838 [11]: 101 (1838), nom. nud. — Endlicher, Syn. Conif. 128 (1847).
- Larix dahurica a. typica* Regel in Gartenfl. 20: 105, t. 684, fig. 9, 10 (1871); in Act. Hort. Petrop. 1: 160 (1871).

*Larix Cajanderi* Mayr, Fremdl. Wald- & Parkbäume, 297, fig. 88 (1906).

*Larix dahurica Cajanderi* (Mayr) Szafer in Kosmos (Kopernika) 38: 1296 (1913).

**L. Gmelini** var. **japonica** (Reg.) Pilger in Nat. Pflanzenfam. ed. 2, 13: 327 (1926).

- Abies Kamtschatica* Ruprecht, Beitr. Pflanz. Russ. Reich. 2: 57 (1845).
- Pinus kamtschatica* Endlicher, Syn. Conif. 135 (1847).
- Larix kamtschatica* Hort. ex Carrière, Traité Conif. 279 (1855).
- Larix dahurica γ. japonica* Maxim. ex Regel in Gartenfl. 20: 105, t. 685, fig. 6 (1871). — Wilson, Conif. Taxads Jap. 33, t. 17, 18 (1916).
- Larix kurilensis* Mayr, Monog. Abiet. Jap. 66, 103, t. 5, fig. 15 (1890).
- Larix Dahurica* var. *Kurilensis* (Mayr) Sargent, Silva, N. Am. 12: 4 (1898).
- Larix dahurica* var. *pubescens* Patschke in Bot. Jahrb. 48: 651 (1913).
- Pinus kurilensis* (Mayr) Voss in Putlitz & Meyer, Landlex. 4: 770 (1913).
- Larix dahurica* var. *kamtschatica* (Rupr.) Miyabe & Kudo, Icon. Ess. For. Hokkaido, 26 (1921), nom. provis.

**L. Gmelini** var. **Principis Rupprechtii** (Mayr) Pilger in Nat. Pflanzenfam. ed. 2, 13: 327 (1926). — Ostenfeld & Syrach-Larsen in Pflanzenareale, 2: 62 (1930).

- Larix Principis Rupprechtii* Mayr, Fremdl. Wald- & Parkbäume, 309 (1906).
- Larix dahurica* var. *Principis Rupprechtii* (Mayr) Rehder & Wilson in Sargent, Pl. Wilson. 2: 21 (1914).

**L. Gmelini** var. **olgensis** (Henry) Ostenfeld & Syrach-Larsen in Pflanzenareale, 2: 62 (1930); in Biol. Meddel. Dansk. Vidensk. Selsk. 9.2: 51 (1930).

- Larix olgensis* Henry in Gard. Chron. ser. 3, 57: 109, fig. 31, 32 (1915).
- Larix koreensis* Rafn in Mitt. Deutsch. Dendr. Ges. 1915 (24): 257 [1916], nom.
- Larix dahurica* var. *koreana* Nakai in Tozawa & Nakai, Atlas Ill. Geog. Distr. Kor. Pl. 1: 1 (1929).

**L. laricina** (Du Roi) K. Koch, Dendr. 2.2: 263 (1873).

- Pinus Larix Americana nigra* Münchhausen, Hausvat. 5: 226 (1770).
- Pinus laricina* Du Roi, Obs. Bot. 49 (1771). — Wangenheim, Beytr. Deutsch. Holzger. Forstwiss. Nordam. Holz. 42, fig. 37 (1787).
- Pinus Laryx Americanae* Pallas, Fl. Ross. 1: 2, t. 1, fig. E (1784).
- Pinus-Larix rubra*, *P.-L. alba*, *P.-L. nigra* Marshall, Arbust. Am. 104 (1785).
- Pinus Larix β. rubra*, *γ. nigra*, *δ. alba* Castiglioni, Viagg. Stati Uniti, 2: 315 (1790).
- Pinus intermedia* Pott in Du Roi, Harbk. Baumz. ed. 2, 2: 114 (1800).
- Larix americana* Michaux, Fl. Bor.-Am. 2: 203 (1803). — Sargent, Silva N. Am. 12: 7, t. 593 (1898).
- Pinus microcarpa* Lambert, Descr. Pinus, 1: 58, t. 37 (1803).
- Larix tenuifolia* Salisbury in Trans. Linn. Soc. Lond. 8: 314 (1808).
- Larix microcarpa* Desfontaines, Hist. Arb. ed. 2, 597 (1809). — Forbes, Pinet. Woburn. 139, t. 47 (1839).
- Pinus pendula* sensu Pursh, Fl. Am. Sept. 2: 645 (1814), p. p. — Hooker, Fl. Bor.-Am. 2: 164 (1840), p. p. — Non Aiton (1789).
- Larix intermedia* Lawson, Agric. Man. 389 (1836).

- Pinus Larix* 12. *Fraseri* Antoine, Confif. 52 (1840).  
*Abies microcarpa* (Poir.) Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 213 (1850).  
*Larix decidua* γ. *americana* Henkel & Hochstetter, Syn. Nadelh. 133 (1865).  
*Larix alaskensis* W. F. Wight in Smithson. Inst. Misc. Coll. 50: 174, t. 17 (1907).  
*Pinus Larix* f. *laricina* (Du Roi) Voss in Putlitz & Meyer, Landlex. 4: 769 (1913), p. p. exclud. descr.
- L. pendula** [*L. decidua* × *laricina*] (Soland.) Salisbury in Trans. Linn. Soc. Lond. 8: 31 (1807).—Henry in Gard. Chron. ser. 3, 58: 178, 234, fig. 58–61 (1915).  
*Pinus pendula* Aiton, Hort. Kew. 3: 369 (1789).—Lambert, Descr. Pinus, 1: 56, t. 36 (1803).  
*Pinus Larix* 4. *pendula* Antoine, Confif. 51, t. 21, fig. 3 (1840?).  
*Larix americana* var. *pendula* Loudon, Encycl. Trees Shrubs, 1057 (1842).  
*Larix microcarpa* var. *pendula* (Loud.) Carrière, Traité Confif. 275 (1855).  
*Larix decidua* ε. *pendula* Regel in Gartenfl. 20: 102, t. 684, fig. 11 (1871).  
*Larix Larix* f. *pendula* (Salisb.) Voss, Vilmor. Blumen-gärt. ed. 3, 1: 1231 (1896).
- CEDRUS** Trew, Cedrorum Libani Hist. 4 (1757).—Loudon, Arb. Brit. 4: 2402 (1838).—NOM. CONSERV. PROPOS. cf. Little in Madroño, 7: 243 (1944).—Non *Cedrus* Du Hamel (1755).  
*Pinus* Linnaeus, Sp. Pl. 1000 (1753), p. p. quoad *P. Cedrus*; Gen. Pl. ed. 5, 434, no. 956 (1754), p. p.  
*Larix* Miller, Gard. Dict. abridg. ed. 4, 2 (1754), p. p. quoad no. 3; Gard. Dict. ed. 8, L. no. 3 (1768), p. p.  
*Pinus-Larix* Weston, Bot. Univ. 1: 210 (1770), quoad *P.-L. Cedrus*.  
*Pinus* III. *Larix* Münchhausen, Hausvat. 5: 226 (1770), quoad *P. L. Cedrus*.—Koch, Syn. Fl. Germ. Helv. 667 (1837) "sect."  
*Abies* Poiret, Encycl. Méth. Bot. 6: 510 (1804), p. p.  
*Peuce* L. C. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810), p. p.  
*Pinus* [group] *Cedrus* Sweet, Hort. Brit., ed. 2, 475 (1830).—Endlicher, Syn. Confif. 137 (1847) "*P.* subgen. II. *Sapinus* Endl. sect. 1. *C.*"  
**TYPE:** *Pinus Cedrus* L. = *C. Libani* Loud.
- C. atlantica** Manetti, Cat. Pl. Hort. Modic. (Suppl. 8. 1844); Suppl. 2: 9 (1845).—Hooker f. in Nat. Hist. Rev. [n. ser.] 1862 (no. 5): 15, t. 2 (1862).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 3: 469 (1908).  
*Cedrus* [*libani*] "cèdre du Liban" sensu Renou in Ann. For. Paris, 3: 2, t. 1 (1844), non Loudon (1830).  
*Pinus atlantica* Endlicher, Syn. Confif. 137 (1847).  
*Abies atlantica* Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 214 (1850).  
*Cedrus africana* Hort. ex Lindley & Gordon, l. c. (1850), pro syn.  
*Cedrus elegans* Hort. ex Lindley & Gordon, l. c. (1850), pro syn.—Hort. ex Knight & Perry, Syn. Confif. Pl. 42 [1850].  
*Cedrus Libani* var. *atlantica* Hort. ex Carrière, Traité Gén. Confif. ed. 2, 374 (1867), pro syn.  
*Cedrus libani africana* A. Murray [in Ravenscroft], Pinet. Brit. 3: 223 (1867).  
*Pinus Cedrus* γ. *atlantica* Parlatores in De Candolle, Prodr. 16.2: 408 (1868).  
*Cedrus Libani* var. *atlantica* (Parl.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 92 [1908], nom. altern.
- C. atlantica** f. *glauca* Beissner, Syst. Eintheil. Confif. 32 (1887) "(f.)"—Voss, Vilmor. Blumengärt. 1: 1231 (1896).  
*Cedrus atlantica glauca* Carrière, Traité Confif. ed. 2, 374 (1867).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 160, fig. 71, t. 3 (1913) "var."
- C. atlantica** f. *argentea* (Murray), grad. nov.  
*Cedrus argentea* Renou in Ann. For. Paris, 3: 3, t. 2 (1844), nom. provis.  
*Cedrus atlantica argentea* (Renou) A. Murray [in Ravenscroft], Pinet. Brit. 3: 224, 217 (1867).—Battandier & Trabut, Fl. Anal. Alger. Tunis, 397 (1902) "β. a."
- C. atlantica** f. *pendula* (Carr.), grad. nov.  
*Cedrus atlantica pendula* Carrière in Rev. Hort. 1875: 160 (1875).—[Masters] in Kew Hand-list Confif. 73 (1896) "var."
- C. atlantica** f. *fastigiata* (Carr.), grad. nov.  
*Cedrus atlantica columnaris erecta* Otin ex Chargueraud in Rev. Hort. 1889: 476 (1889).  
*Cedrus atlantica fastigiata* Carrière in Rev. Hort. 1890: 32, fig. 9 (1890).—Rehder, Man. Cult. Trees Shrubs, 53 (1927) "var."; ed. 2, 34 (1940).  
*Cedrus atlantica columnaris* Otin ex Beissner, Handb. Nadelh. 304 (1891).
- C. libani** [Barrelier, Pl. Icon. 409 (1714);] Loudon, Hort. Brit. 388 (1830).—Lawson, Agric. Man. 380 (1836).—Suringar in Mitt. Deutsch. Dendr. Ges. 1927(38): 308 (1927).  
*Pinus Cedrus* Linnaeus, Sp. Pl. 1000 (1753).  
*Larix Cedrus* Miller, Gard. Dict. ed. 8, L. no. 3 (1768).  
*Pinus-Larix Cedrus* Weston, Bot. Univ. 1: 210 (1770).  
*Pinus effusa* Salisbury, Prodr. Stirp. Chap. Allert. 399 (1796).  
*Abies Cedrus* Poiret, Encycl. Méth. Bot. 6: 510 (1805).  
*Larix patula* Salisbury in Trans. Linn. Soc. Lond. 8: 4314 (1807).  
*Peuce Cedrus* A. Richard in Ann. Mus. Hist. Nat. Paris, 16: 298 (1810).  
*Cedrus libanotica* Link, Handb. Erkenn. Gew. 2: 480 (1831).—Rehder in Jour. Arnold Arb. 6: 205 (1925); 7: 145 (1926).  
*Cedrus patula* (Salisb.) K. Koch, Dendr. 2: 268 (1873).  
*Cedrus Cedrus* (L.) Huth in Helios, 11: 133 (1893).  
*Cedrus effusa* (Salisb.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 92 [1908].  
*Pinus Cedrus* var. *effusa* (Salisb.) Voss in Putlitz & Meyer, Landlex. 4: 768 (1913).  
*Cedrus libanotica* subsp. *C. Libani* Holmboe in Bergens Mus. Skrift. ser. 1, 1.2: 30 (Stud. Veg. Cyprus) (1914).  
*Cedrus libanitica* [Trew, Cedror. Libani Hist. 4 (1757), nomencl. praelinn.—] Trew ex Pilger in Nat. Pflanzenfam. ed. 2, 13: 329 (1926).
- C. libani** f. *glauca* (Carr.) Beissner, Syst. Eintheil. Confif. 31 (1887) "(f.)"—Holmboe in Bergens Mus. Skrift. n. ser. 1, 1.2: 30 (Stud. Veg. Cyprus) (1914).  
*Cedrus Libani* 2. *foliis argenteis* Loudon, Arb. Brit. 4: 2402 (1838).  
*Pinus Cedrus* 1. *foliis argenteis* (Loud.) Antoine, Confif. 57 (1840).  
*Cedrus Libani glauca* Knight & Perry, Syn. Confif. 42 (1850), nom.—Carrière, Traité Confif. 284 (1855).  
*Abies Cedrus* (B) *argentea* Hort. ex Lindley & Gordon, in Jour. Hort. Soc. Lond. 5: 214 (1850), nom.  
*Cedrus Libani argentea* Loudon ex Gordon, Pinet. 44

**Cedrus libani** f. *glauca* (continued)

(1858). — Rehder in Bailey, Cycl. Am. Hort. [1]: 266 (1900) "var."

*Pinus Cedrus* β. *glauca* Parlature in De Candolle, Prodr. 16, 2: 408 (1868).

*Cedrus Cedrus* f. *glauca* Voss, Vilmor. Blumengärt. 1: 1231 (1896).

*Cedrus libanotica* f. *glauca* (Carr.) Holmboe in Bergens Mus. Skrift. ser. 1, 1, 2: 30 (Stud. Veg. Cyprus) (1914). — Rehder in Jour. Arnold Arb. 6: 204 (1925).

*Cedrus libanitica* var. *glauca* (Gord.) Bailey, Cult. Conif. 130 (1933).

**C. libani** f. *nana* (Loud.) Beissner, Syst. Eintheil. Conif. 32 (1887) "(f.)."

*Cedrus Libani* var. 3. *nana* Loudon, Arb. Brit. 4: 2403 (1838).

*Pinus Cedrus* 2. *nana* (Loud.) Antoine, Conif. 57 (1840).

*Cedrus libanotica* f. *nana* (Loud.) Rehder in Jour. Arnold Arb. 6: 205 (1925).

*Cedrus libanitica* var. *nana* Bailey, Cult. Conif. 130 (1933).

**C. libani** f. *pendula* [Carr.] Beissner, Syst. Eintheil. Conif. 32 (1887) "(f.)."

*Cedrus Libani pendula* Knight & Perry, Syn. Conif. 42 (1850), nom. — Carrière, Traité Conif. 284 (1855).

*Cedrus libanotica* f. *pendula* (Carr.) Rehder in Jour. Arnold Arb. 6: 205 (1925).

*Cedrus libani* var. *Sargentii pendula* Hort. ex Hornibrook, Dwarf Conif. 26 (1923).

*Cedrus libanitica* var. *pendula* (Rehd.) Bailey, Cult. Conif. 130 (1933).

**C. brevifolia** (Hook. f.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 3: 467 (1908).

*Cedrus Libani* var. *brevifolia* Hooker f. in Jour. Linn. Soc. Lond. Bot. 17: 518 (1880).

*Cedrus libanotica* subsp. *brevifolia* (Hook. f.) Holmboe in Bergens Mus. Skrift. ser. 1, 1, 2: 29 (Stud. Veg. Cyprus) (1914).

**C. Deodara** (Roxb.) Loudon, Hort. Brit. 388 (1830); Arb. Brit. 4: 2428 (1838).

*Pinus Deodara* Roxburgh, Hort. Bengal. 69 (1814), nom.; Fl. Ind. 3: 651 (1832) "*Devdara*."

*Cedrus Libani* var. *Deodara* Hooker f., Himal. Jour. 1: 257 (1854); in Nat. Hist. Rev. 2: 11, t. 1-3 (1862); Fl. Brit. Ind. 5: 653 (1888).

*Pinus Cedrus Deodara* Rinz in Gartenfl. 6: 334 (1857). — F. v. Mueller in Ann. Rep. Accl. Soc. Victoria [1870-71]: 37 (1871) "var." — Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 92 [1908] "var."

*Cedrus Cedrus* var. *Deodara* (Hook. f.) Voss, l. c. [1908], nom, altern.

**C. Deodara** f. *argentea* [Nels.] Beissner, Syst. Eintheil. Conif. 32 (1887) "(f.)."

*Cedrus Deodara argentea* [Nelson], Pinac. 56 (1866). — Carrière, Traité Conif. ed. 2, 368 (1867). — Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 267 (1900) "var."

**C. Deodara** f. *aurea* (Nels.), grad. nov.

*Cedrus Deodara aurea* [Nelson], Pinac. 56 (1866). — Beissner, Handb. Nadelh. 308 (1801). — Tutenberg in Gartenwelt, 11: 88, fig. (1906) "var."

**C. Deodara** f. *robusta* [Laws.] Beissner, Syst. Eintheil. Conif. 32 (1887) "(f.)." — Rehder in Bailey, Cycl. Am. Hort. [1]: 267 (1900) "var."

*Pinus Deodara* var. *robusta* Lawson, List Pl. Fir. Tribe, 23 (1851).

*Cedrus Deodara robusta* Hort. ex Carrière, Traité Conif. 282 (1855).

**PINUS** Linnaeus, Sp. Pl. 1000 (1753), exclud. spec. nonnull.; Gen. Pl. ed. 5, 434, no. 956 (1754). — Duhamel, Traité Arb. Arbust. 2: 121 (1755). — Miller, Gard. Dict. ed. 8 (1768).

*Pinus* 1. *Pinus* Münchhausen, Hausvat. 5: 215 (1770). — Endlicher, Syn. Conif. 137 (1847) "sect." — Parlature in De Candolle, Prodr. 16, 2: 378 (1868) "subgen."

*Apinus* Necker, Elém. Bot. 3: 269 (1790) cum sp. 2: *A. cembra*, *A. pinea*. — Rydberg in Bull. Torrey Bot. Club, 32: 597 (1905).

*Pinus* sect. 1. *Pinaster* Koch, Syn. Fl. Germ. Helv. ed. 2, 2: 766 (1844).

LECTOTYPUS: *P. sylvestris* L.

## Subgen. 1. STROBUS (Sweet), grad. nov.

*Pinus* [group] *Strobus* Sweet, Hort. Brit. ed. 2, 475 (1830).

*Pinus* sect. III. *Strobus* Spach, Hist. Nat. Vég. Phan. 11: 394 (1842), sensu strict. — Parlature in De Candolle, Prodr. 16, 2: 402 (1868). — Engelmann in Trans. Acad. Sci. St. Louis, 4: 175 (Rev. Pinus, 15) (1880).

*Pinus* sect. *Quinae* Gordon, Pinet. 216 (1858), p. p.

*Pinus* sect. *Haploxyton* Koehne, Deutsche Dendr. 28 (1893). — Shaw, Gen. Pinus, 26 (1914).

*Pinus* div. *Tenuisquamae* Masters in Jour. Linn. Soc. Lond. Bot. 35: 569 (1904).

## Sect. 1. CEMBRA Spach, Hist. Nat. Vég. Phan. 11: 398 (1842). — Endlicher, Syn. Conif. 138 (1847), exclud. sp. nonnull. — Parlature in De Candolle, Prodr. 16, 2: 402 (1868), exclud. sp. nonnull.

Ser. I. CEMBRAE Engelmann in Trans. Acad. Sci. St. Louis, 4: 176 (Rev. Pinus, 16) (1880) "sect. *Strobus* ser. 2."

*Cembra* Opiz, Seznam Rostl. 27 (1852), nom.

*Pinus* subsect. *Cembra* ser. *Eucembra* Koehne, Deutsche Dendr. 30 (1893), p. p.

**P. koraiensis** Siebold & Zuccarini, Fl. Jap. 2: 28, t. 116, fig. 5-6 [1844], fig. 1-4 exclud. — Wilson, Conif. Taxads Jap. 15, t. 6, 7 (1916).

*Pinus strobus* sensu Thunberg, Fl. Jap. 275 (1784), non Linnaeus (1753).

*Pinus Cembra* (β. *excelsa*) Maximowicz ex Ruprecht in Bull. Phys. Math. Acad. Sci. St. Pétersb. 15: 141 (1857) (in Mém. Biol. 2: 437. 1858) (1857).

*Pinus mandshurica* Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 382 (in Mém. Biol. 2: 567. 1858) (1857).

*Pinus Cembra* var. *Manchurica* Masters in Bull. Herb. Boissier, 6: 271 (1896), nom.

**P. Cembra** Linnaeus, Sp. Pl. 1000 (1753).

*Pinus montana* Lamarck, Fl. Franç. 3: 651 (1778). — Salisbury, Prodr. Stirp. Chap. Allert. 398 (1796). — Non Miller (1768).

*Apinus cembra* Necker, Elem. Bot. 3: 270 (1790).

*Pinus Cembra* 3. *helvetica* (Lodd. Cat. 1836) Loudon, Arb. Brit. 4: 2276 (1838).

*Pinus Cembra* A. *communis* a. *vulgaris* Endlicher, Syn. Conif. 142 (1847).

*Pinus Cembra* A. *communis* β. *helvetica* Endlicher, l. c. (1847).

- P. Cembra f. columnaris** (Beiss.), grad. nov.  
*Pinus Cembra columnaris* Hellmann ex Beissner in Mitt. Deutsch. Dendr. Ges. **1897**(6): 57 (1897).
- P. Cembra** var. *sibirica* Loudon, Hort. Brit. 387 (1830); Arb. Brit. **4**: 2275 (1838).  
*Pinus sibirica* (Loud.) Mayr in Allg. Forst. & Jagd-Zeit, n. ser. **76**: 117 (1900); Fremdl. Wald- & Parkb. 388 (1906). — Komarov, Fl. S. S. S. R. **1**: 163, t. 7, fig. 23–25 (1934).
- P. pumila** [Pallas] Regel in Ind. Sem. Hort. Petrop. **1858**: 23 (1859) “(Endl.)”. — Komarov, Fl. S. S. S. R. **1**: 164, t. 7, fig. 16 (1934).  
*Pinus Cembra* var. *pumila* Pallas, Fl. Ross. **1**: 5 (1784). — Endlicher, Syn. Conif. 142 (1847) “*b. pumila*.”  
*Pinus Cembra* var. *pygmaea* Loudon, Arb. Brit. **4**: 2276 (1838).  
*Pinus pygmaea* Fisch. ex Spach, Hist. Nat. Vég. Phan. **11**: 399 (1842), pro syn.  
*Pinus mandshurica* sensu Murray in [Ravenscroft], Pinet. Brit. **1**: 61, fig. 1–6 [1866], non Ruprecht (1857).
- P. albicaulis** Engelm. in Trans. Acad. Sci. St. Louis, **2**: 209 (1863).  
*Pinus flexilis* sensu Balfour in A. Murray, Bot. Exped. Oregon, **1**, fig. (1853), non James (1823).  
*Pinus cembroides* sensu Newberry, Bot. Rep. (in U. S. War Dept. Rep. Explor. Surv. Railr. Mississippi Riv. Pacif. Oc. **6**, **3**: 44, fig.) (1857), non Zuccarini (1832).  
*Pinus Shasta* Carrière, Traité Conif., ed. 2, 390 (1867).  
*Pinus flexilis* var. *albicaulis* (Engelm.) Engelm. in S. Watson, Bot. Calif. **2**: 124 (1880).  
*Apinus albicaulis* (Engelm.) Rydberg in Bull. Torrey Bot. Club, **32**: 598 (1905).
- Ser. 2. **FLEXILES** Shaw, Gen. Pinus, 28 ((1914)).
- P. flexilis** James, Account Exped. Rocky Mts. under S. H. Long, **2**: 27, 35 (1823). — Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 249 (1828). — Sargent, Silva N. Am. **11**: 35, t. 546–7 (1897).  
*Pinus Lambertiana* ? *b. brevifolia* Endlicher, Syn. Conif. 150 (1847).  
*Pinus flexilis* var. *a. serrulata* Engelm. in Rothrock, Rep. Bot. Coll. 258 (Rep. U. S. Geog. Surv. W. 100th Mer. vol. **6**) (1878).  
*Pinus flexilis* var. *β. macrocarpa* Engelm., l. c. (1878).  
*Pinus reflexa* Engelm. in Bot. Gaz. **7**: 4 (1882).  
*Pinus strobiformis* sensu Sargent, Silva N. Am. **11**: 33, t. 454, 455 (1897), non Engelm. (1848).  
*Pinus flexilis megalocarpa* Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 16 (Nomencl. Arb. Fl. U. S.) (1897).  
*Apinus flexilis* (James) Rydberg in Bull. Torrey Bot. Club, **32**: 598 (1905).
- P. Armandi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **7**: 95, 96, t. 12 (Pl. David. **1**: 284) (1885). — Wilson, Conif. Taxads Jap. 20 (1916). — Rehder in Jour. Arnold Arb. **10**: 108 (1929).  
*Pinus quinque-folia* David, Jour. Voy. Emp. Chin. **1**: 192 (1875), nom.  
*Pinus koraiensis* sensu Beissner in Nuov. Giorn. Bot. Ital. n. ser., **4**: 184 (1897), non Siebold & Zuccarini (1844).  
*Pinus scipioniformis* Masters in Bull. Herb. Boissier, **6**: 270 (1898).  
*Pinus mandshurica* sensu Masters in Jour. Linn. Soc. Lond. Bot. **26**: 551 (1906), non Ruprecht (1857), nec Murray (1866).  
*Pinus Mastersiana* Hayata in Gard. Chron. ser. 3, **43**: 194 (1908).
- Pinus Armandi* var. *Mastersiana* Hayata in Jour. Coll. Sci. Tokyo, **25**, art. **19**: 215, fig. 8 (Fl. Mont. Formos.) (1908).  
*Pinus levis* Lemée & Léveillé in Repert. Sp. Nov. Reg. Veg. **8**: 60 (1910).  
*Pinus excelsa* var. *chinensis* Patschke in Bot. Jahrb. **48**: 657 (1912).  
*Pinus Komarovii* Léveillé, Fl. Kouy-Tchéou, 112 (1914).
- Ser. 3. **EUSTROBI** Engelm. in Trans. Acad. Sci. St. Louis, **4**: 15 (1880) “sect. **I. Strobis** § **I.**”  
*Pinus* sect. **III. Strobis** Spach, Hist. Nat. Vég. Phan. **11**: 394 (1842). — Koehne, Deutsche Dendr. 30 (1893).  
*Strobis* Opiz in Lotos Zeitschr. Naturwiss. **4**: 94 (1854).  
*Pinus* ser. *Strobi* Shaw, Gen. Pinus, 30 (1914).
- P. Lambertiana** Douglas in Trans. Linn. Soc. Lond. **15**: 500 (1827). — Sargent, Silva N. Am. **11**: 27, t. 542–3 (1897).
- P. Ayacahuite** Ehrenberg in Linnaea, **12**: 492 (1838). — Shaw, Pines Mex. 9, t. 4 (1909); Gen. Pinus, 30, t. 10, fig. 103–7 (1914).  
*Pinus strobiformis* Engelm. in Wislizenus, Mem. Tour. N. Mex. 102 (1848).  
*Pinus Bonaparteae* Roehl in Gard. Chron. **1858**: 358 (1858).  
*Pinus Loudoniana* Gordon, Pinet. 230 (1858).
- P. parviflora** Siebold & Zuccarini, Fl. Jap. **2**: 27, t. 115 [1842]. — Wilson, Conif. Taxads Jap. 22, t. 9, 10 (1916).  
*Pinus Cembra* sensu Thunberg, Fl. Jap. 274 (1784), non Linnaeus (1753).  
*Pinus koraiensis* Siebold & Zuccarini, Fl. Jap. **2**: t. 116, fig. 1–4 (1844), p. p. quoad fig. 1–4  
*Pinus Cembra* var. *Japonica* [Nelson], Pinac. 107 (1866).  
*Pinus pentaphylla* Mayr, Monog. Abiet. Jap. 78, 94, t. 6 (1890).  
*Pinus morrisonicola* Hayata in Gard. Chron. ser. 3, **43**: 194 (1908).  
*Pinus formosana* Hayata in Jour. Linn. Soc. Lond. Bot. **38**: 297, t. 22 (1908).  
*Pinus parviflora* var. *pentaphylla* (Mayr) Henry in Elwes & Henry, Trees Gt. Brit. Irel. **5**: 1033 (1909).
- P. parviflora f. glauca** Beissner, Handb. Nadelh. ed. 2, 358 (1909) “(f.)”
- P. Peuce** Grisebach, Spicil. Fl. Rumel. Byth. **2**: 349 (1844).  
*Pinus Cembra* var. *fruticosa* Grisebach, Reise Rumel. **2**: 189 (1841).  
*Pinus excelsa* var. *Peuce* (Griseb.) Beissner, Handb. Nadelh. 286 (1891).
- P. Griffithii** M'Clelland in Griffith, Notul. **4**: 17 (1854), nom. event.; Icon. Pl. As. **4**: t. 365 (1854), exclud. fig. 1–3. — Schwarz in Repert. Sp. Nov. Reg. Veg. **44**: 160 (1938).  
*Pinus excelsa* Wallich ex D. Don in Lambert, Descr. Gen. Pinus, **2**: 5, t. 3 (1824). — Wallich, Pl. As. Rar. **3**: 1, t. 201 (1832). — Non Lamarck (1778).  
*Pinus Chylla* Loddiges, Cat. **1836**: 50 (1836), nom. — Parlatore in De Candolle, Prodr. **16**: 2: 405 (1868), pro syn. — Schwarz in Repert. Sp. Nov. Reg. Veg. Beih. **100**: 214 (1938).  
*Pinus nepalensis* De Chambray, Traité Prat. Arb. Resin. Conif. 342 (1845), non Forbes (1839).  
*Pinus Dicksonii* Hort. ex Loudon, Encycl. Trees Shrubs, 1022 (1842), pro syn.  
*Pinus* sp. Griffith, Itin. Notes, 329 (Posth. Papers, II) (1848), cum descr.  
*Pinus Wallichiana* A. B. Jackson in Kew Bull. **1938**: 85 (1938).

**Pinus** (continued)

- P. Holfordiana** [*P. Ayacahuite* × *Griffithii*] A. B. Jackson in Gard. Chron. ser. 3, **93**: 152, figs. 68–9, 71 (1933) "*P. Ayacahuite* × *excelsa*."
- P. Schwerinii** [*P. Griffithii* × *Strobus*] Fitch in Beissner, Handb. Nadelh. ed. 3, 729 (1930) "*P. excelsus* × *strobos*."
- P. monticola** Douglas ex D. Don in Lambert, Descr. Gen. Pinus, **3**: 1 p., t. (1837).—Douglas, Jour. Travels N. Am. 1823–27 (ed. H. Wilks), 344 (1914).  
*Pinus Strobus* β. *monticola* Nuttall, Sylva N. Am. **2**: 118 (1849).  
*Pinus porphyrocarpa* A. Murray in [Ravenscroft], Pinet. Brit. **1**: 83, fig. (1866).  
*Pinus Grozelieri* Carrière in Rev. Hort. **1869**: 126, fig. 31 (1869).
- P. Strobus** Linnaeus, Sp. Pl. 1001 (1753).—Sargent, Silva N. Am. **11**: 17, t. 538–9 (1898).  
*Pinus tenuifolia* W. Young, Cat. Arb. Arbust. Am. 17 (1783), nom.—Salisbury, Prodr. Stirp. Chap. Allert. 399 (1796).  
*Pinus Strobus* var. *Excelsa* Makoi Cat. ex Jacques, Monog. Fam. Conif. 57 (1837), nom.  
*Strobus Weymouthiana* Opiz in Lotos Zeitschr. Naturwiss. **4**: 94 (1854).  
*Pinus alba* Hoffmannsegg, Verz. Pflanzenkult. 99 (1824), nom.; non Aiton (1789).  
*Pinus alba canadensis* Provancher, Fl. Canad. **2**: 554 (1862).  
*Strobus Strobus* Small, Fl. Southeast. U. S. 29 (1903).
- P. Strobus** f. *glauca* (Beiss.) Voss in Putlitz & Meyer, Landlex. **4**: 764 (1913).  
*Pinus Strobus glauca* Veillard ex Beissner in Mitt. Deutsch. Dendr. Ges. **1893**(2): 29 (1893); Handb. Nadelh. ed. 2, 351 (1909).
- P. Strobus** f. *fastigiata* Beissner, Syst. Eintheil. Conif. 31 (1887) "(f.)."  
*Pinus Strobus* var. *fastigiata* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 487 (1884).—L. C. C[hadwick] in Am. Nurseryman, **83**, 1: 34, fig. (p. 1) (1946).
- P. Strobus** f. *brevifolia* (Carr.), grad. nov.  
? *Pinus Strobus* var. *pygmaea* J. Makoi Cat. ex Jacques in Ann. Fl. Pomone, **6**: 147 (Monog. Fam. Conif. 57) (1837), nom.—Beissner, Handb. Nadelh. 291 (1891), pro syn.  
*Pinus Strobus* var. *brevifolia* Hort. ex Loudon, Arb. Brit. **4**: 2280 (1838), nom. subnud.—Carrière, Traité Conif. 303 (1855) "β."—Rehder in Bailey, Cycl. Am. Hort. [3]: 1350 (1901).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. ed. 2, 247 (1923).  
*Pinus Strobus compressa* Booth ex Loudon, Arb. Brit. **4**: 2280 (1838), nom. subnud.—Loddiges ex Gordon, Pinet. 240 (204) (1858), pro syn.  
*Pinus Strobus nova* Loddiges, Cat. ed. 1836 ex Loudon. l. c. (1838), pro syn.  
*Pinus Strobus nana* Knight & Perry, Syn. Conif. Pl. 34 (1850), nom.—Carrière, Traité Conif. 303 (1855), pro syn.; in Jacques & Herincq, Man. Pl. **4**: 347 (1857); Traité Conif. ed. 2, 400 (1867).—Beissner, Syst. Eintheil. Conif. 31 (1887) "(f.); Handb. Nadelh. 291 (1891).—Rehder, Man. Cult. Trees Shrubs, 58 (1927) "var."  
*Pinus compressa* Booth ex Carrière Traité Conif. 303 (1855), pro syn.
- Pinus Strobus alba* sensu Gordon, Pinet. 240 (204) (1858), non Loudon (1838).  
? *Pinus Strobus compacta* Hort. ex Gordon, Pinet. ed. 2, 427 (1875).
- P. Strobus** f. *umbraculifera* [Carr.] Beissner, Syst. Eintheil. Conif. 31 (1887) "(f.)."  
*Pinus Strobus umbraculifera* Knight & Perry, Syn. Conif. Pl. 34 [1850], nom.—Carrière, Traité Conif. 304 (1855); in Jacques & Herincq, Man. Pl. **4**: 347 (1857).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 243 (1913) "var. *nana* subvar."—Non var. *umbraculifera* Hornibrook, Dwarf Conif. 142, fig. (1923).  
*Pinus Strobus nana* Knight ex Gordon, Pinet. 240 (204) (1858).—Wilson in Gard. Mag. **32**: 39, fig. (1920).—Hornibrook, Dwarf Conif. 142, t. (1923).—Non Carrière (1857).  
*Pinus Strobus tabuliformis* Hort. ex Gordon, Pinet. 240 (204) (1858), pro syn.—Carrière, Traité Conif. ed. 2, 400 (1867) "*tabulaeformis*," pro syn.  
*Pinus Strobus* var. *radiata* Hornibrook, Dwarf Conif. 142 (1923); ed. 2, 208, t. (1939).
- P. Strobus** f. *prostrata* [Beiss.] Fernald & Weatherby in Rhodora, **34**: 168 (1932).  
*Pinus Strobus prostrata* Rehder ex Beissner in Mitt. Deutsch. Dendr. Ges. **1899**(8): 107 (1899).—Arb. Kew. ex Rehder in Bailey, Cycl. Am. Hort. [3]: 1350 (1901).—Beissner in op. cit. **1903**(12): 25 (1903).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. ed. 2, 248 (1923) "var. *nana* subvar. *p*."
- Sect. II. *PARRYA* Mayr, Wald. Nordam. 427 (1890).—Koehne, Deutsche Dendr. 32 (1893).  
*Pinus* §. *Integrifoliae* Engelm. in Trans. Acad. Sci. St. Louis, **4**: 176 (Rev. Pinus, 16) (1880).  
*Pinus* subsect. *Paracembra* Koehne, Deutsche Dendr. 30 (1893).—Rehder, Man. Cult. Trees Shrubs, 58 (1927) "sect."
- Ser. 4. *CEMBROIDES* (Engelm.) Shaw, Gen. Pinus, 38 (1914).  
*Pinus* [subser.] *Cembroides* Engelm. in Trans. Acad. Sci. St. Louis, **4**: 176 (Rev. Pinus, 16) (1880).
- P. cembroides** Zuccarini in Abh. Math.-phys. Cl. Akad. Wiss. Münch. **1**: 392 (1832).—Sargent, Silva N. Am. **11**: 47, t. 550 (1898).  
*Pinus Llaveana* Otto ex Loudon, Arb. Brit. **4**: 2267, fig. 2178 (1838), exclud. fig. 2179.—Schiede ex Schlechtendal in Linnaea, **12**: 488 (1838).  
*Pinus osteosperma* Engelm. in Wislizenus, Mem. Tour. N. Mex. 89 (1848).
- P. cembroides** var. *monophylla* (Torr.) Voss in Mitt. Deutsch. Dendr. Ges. **1907**(16): 95 [1908] "*cembroides*."  
*Pinus monophylla* Torrey in Frémont, Rep. Explor. Exp. Rocky Mts. 319 (1845).—Sargent, Silva N. Am. **11**: 51, t. 551 (1898).  
*Pinus Fremontiana* Endlicher, Syn. Conif. 183 (1847).  
*Pinus edulis* var. *monophylla* Torrey in Ives, Rep. Colorado Riv. **4**: 28 (1860).
- P. cembroides** var. *edulis* (Engelm.) Voss in Mitt. Deutsch. Dendr. Ges. **1907**(16): 95 [1908] "*cembroides*."  
*Pinus edulis* Engelm. in Wislizenus, Mem. Tour. N. Mex. 88 (1848).—Sargent, Silva N. Am. **11**: 55, t. 552 (1898).  
*Pinus monophylla* var. *edulis* (Engelm.) M. E. Jones in Zoë, **2**: 251 (1891).  
*Caryopitys edulis* (Engelm.) Small, Fl. Southeast. U. S. 29 (1903).

- P. cembroides** var. **Parryana** (Engelm.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 95 [1908] "*cembroides*."  
*Pinus Llaveana* sensu Torrey, Bot. Bound. 208, t. 53 (in Emory, Rep. U. S. Mex. Bound. 2, 1) (1859) "Schiede & Deppe"; non Loudon (1838).  
*Pinus Parryana* Engelm. in Am. Jour. Sci. ser. 2, 34: 332 (1862), non Gordon.  
*Pinus quadrifolia* Parry msc. ex Parlatores in De Candolle, Prodr., 16, 2: 402 (1868), pro syn. — Sudworth in U. S. Dept. Agric. Div. For. Bull. 14: 17 (Nomencl. Arb. Fl. U. S.) (1897). — Sargent, Silva N. Am. 11: 43, t. 549 (1898). — Little in Am. Jour. Bot. 31: 594 (1944).
- Ser. 5. GERARDIANAE (Engelm.) Shaw, Gen. Pinus, 40 (1914).  
*Pinus* subsect. *Halepenses* [subdiv.] *Gerardianae* Engelm. in Trans. Acad. Sci. St. Louis, 4: 176 (Rev. Pinus, 16) (1880).  
*Pinus* sect. *Serratifoliae* Masters in Jour. Linn. Soc. Lond. Bot. 35: 570 (1904).
- P. Bungeana** Zuccarini ex Endlicher, Syn. Conif. 166 (1847). — N. E. Brown in Bot. Mag. 135: t. 8240 (1909).
- Ser. 6. BALFOURIANAE (Engelm.) Shaw, Gen. Pinus, 42 (1914).  
*Pinus* [subser.] *Balfourianae* Engelm. in Trans. Acad. Sci. St. Louis, 4: 176 (1880).  
*Pinus* sect. *Balfouria* Mayr, Wald. Nordam. 428 (1890).
- P. Balfouriana** A. Murray, Bot. Exped. Oregon, 1, fig. (1853). — Sargent, Silva N. Am. 11: 59, t. 553 (1898).
- P. aristata** Engelm. in Am. Jour. Sci. ser. 2, 34: 331 (1862). — Sargent, op. cit. 63, t. 554 (1898).  
*Pinus Balfouriana* sensu S. Watson in C. King, Rep. Geol. Expl. 40th Parallel, 331 (1871), non Murray (1853).  
*Pinus Balfouriana* var. *aristata* (Engelm.) Engelm. in Rothrock, Rep. Bot. Coll. 375 (Rep. U. S. Geog. Survey West 100th Merid. vol. 6) (1878).
- Subgen. II. EUPITYS (Spach), grad. nov.  
*Pinus* [group] *Pinus* Sweet, Hort. Brit. ed. 2, 475 (1830).  
*Pinus* sect. *Eupitys* Spach, Hist. Nat. Vég. Phan. 11: 374 (1842), p. p.  
*Pinus* sect. I. *Binae* et II. *Ternatae*, Gordon, Pinet. 162, 187 (1858).  
*Pinus* sect. *Diploxylon* Koehne, Deutsche Dendr. 30 (1893). — Rehder, Man. Cult. Trees Shrubs, 59 (1927) "subgen."  
*Pinus* sect. II. *Pinaster* Engelm. in Trans. Acad. Sci. St. Louis, 4: 176 (Rev. Pinus, 16) (1880), p. p. typ.  
*Pinus* div. *Crassisquamae* Masters in Jour. Linn. Soc. Lond. Bot. 35: 570 (1904).
- Sect. III. TAEDA Spach, Hist. Nat. Vég. Phan. 11: 387 (1842).  
*Pinus* sect. *Pinaster* Endlicher, Syn. Conif. 156 (1847), p. p. typ.  
*Pinus* sect. *Pinea* v. *Taeda* Parlatores in De Candolle, Prodr. 16, 2: 390 (1868), p. p. typ.  
*Pinus* subsect. *Taetae* Engelm. in Trans. Acad. Sci. St. Louis, 4: 177 (Rev. Pinus, 17) (1880).  
*Pinus* sect. *Murraya* Mayr, Fremdl. Wald- & Parkbäume, 351 (1906).
- Ser. SYLVESTRES (Engelm.), grad. nov.  
*Pinus* subsect. *Sylvestres* Engelm. in Trans. Acad. Sci. St. Louis, 4: 176 (Rev. Pinus, 16) (1880). — Masters in Jour. Linn. Soc. Lond. Bot. 35: 571 (1904) "sect."  
*Pinus* subsect. *Pinaster* Endlicher, Syn. Conif. 166 (1847), p. p. — Mayr, Wald. Nordam. 426 (1890), p. p.  
*Pinus* subsect. *Ponderosae* [subdiv.] *Laricionis* Engelm. in Trans. Acad. Sci. St. Louis, 4: 177 (Rev. Pinus, 17) (1880).  
*Pinus* ser. *Laricionis* Shaw, Gen. Pinus, 51 (1914).
- P. resinosa** Aiton, Hort. Kew. 3: 367 (1789). — Sargent, Silva N. Am. 11: 67, t. 555-6 (1898).  
*Pinus sylvestris* β. *norvegica* Castiglioni, Viag. Stati Uniti, 2: 313 (1790).  
*Pinus rubra* Michaux f., Hist. Arb. Am. 1: 45, t. 1 (1810), non Miller (1768).  
*Pinus Laricio* γ. Spach, Hist. Nat. Vég. Phan. 11: 385 (1842).
- P. resinosa** f. **globosa** Rehder in Jour. Arnold Arb. 3: 41 (1922); in Bailey, Cult. Evergr. 314 (1923) "var."
- P. densiflora** Siebold & Zuccarini, Fl. Jap. 2: 22 (1842). — Wilson, Conif. Tax. Jap. 25, t. 11 (1916).  
*Pinus sylvestris* sensu Thunberg, Fl. Jap. 274 (1784), p. p.; non Linnaeus (1753).  
*Pinus sylvestris* (?) b. *rubra* ? Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 12 (Syn. Pl. Oecon. Jap.) (1830), nom.  
*Pinus japonica* Forbes, Pinet. Woburn. 33 (1839), non Thunberg (1784).  
*Pinus scopifera* Miquel in Zollinger, Syst. Verz. Ind. Arch. 2: 82 (1854), nom.  
*Pinus rubra* Siebold ex Gordon, Pinet. Suppl. 58 (1862), pro syn. — Siebold ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 166 (Prol. Fl. Jap. 330) (1867), pro syn. — Non Miller (1768).  
*Pinus Massoniana* Hort. ex Masters in Jour. Linn. Soc. Lond. Bot. 18: 503 (1881), pro syn.; non Lambert (1803).  
*Pinus nana* Faurie & Lemée in Repert. Sp. Nov. Reg. Veg. 8: 60 (1910).
- P. densiflora** f. **aurea** (Mayr) Wilson, Conif. Taxads Jap. 26 (1916).  
*Pinus densiflora* var. *aurea* Mayr, Monog. Abiet. Jap. 91 (1890).
- P. densiflora** f. **oculus-draconis** (Mayr) Beissner, Handb. Nadelh. ed. 2, 438 (1909) "(f.)."  
*Pinus densiflora* var. *oculus-draconis* Mayr, l. c. (1890).
- P. densiflora** f. **pendula** (Mayr) Beissner, l. c. (1909) "(f.)."  
*Pinus densiflora* var. *pendula*, Mayr, l. c. (1890).
- P. densiflora** f. **globosa** (Mayr) Beissner, l. c. (1909) "(f.)."  
*Pinus densiflora* var. *globosa* Mayr, l. c. (1890).
- P. densiflora** f. **umbraculifera** (Mayr) Beissner, l. c. (1909) "(f.)."  
*Pinus densiflora* var. *umbraculifera* Mayr, l. c. 92 (1890). — Wilson, Conif. Taxads Jap. 26, t. 12 (1916).  
*Pinus densiflora* *tabuliformis* Hort. ex Rehder in Bailey, Cult. Evergr. 313 (1923), pro syn.  
*Pinus densiflora* var. *Tanyosho* Hort. Jap. ex Hornibrook, Dwarf Conif. 133 (1923), pro syn.
- P. Massoniana** Lambert, Descr. Pinus, 1: 17, t. 12 (1803); 8° ed., 1: 20, t. 8 (1832). — Rehder in Jour. Arnold Arb. 17: 54 (1936).  
*Pinus sinensis* Lambert, Descr. Pinus, 8° ed., 1: 47, t. 29 (1832).  
*Pinus canaliculata* Miquel in Jour. Bot. Néerland. 1: 86 (1861).  
*Pinus Argyi* Lemée & Lévillé in Repert. Sp. Nov. Reg. Veg. 8: 60 (1910).  
*Pinus Argyi* var. *longevagins* Lévillé, l. c. (1910).  
*Pinus Cavaleriei* Lemée & Lévillé, l. c. (1910).



**Pinus** (continued)

- P. sylvestris** Linnaeus, Sp. Pl. 1000 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 337 (1912) "*silvestris*."
- Pinus binato folio* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 414 (1790).
- Pinus borealis* Salisbury, Prodr. Stirp. Chap. Allert. 398 (1796).
- Pinus sylvestris* a. *communis* Endlicher, Syn. Conif. 172 (1847), non Aiton (1789).
- Pinus sylvestris* a. *genuina* Heer in Verh. Schweizer. Naturf. Ges. 46: 180 (1862).
- P. sylvestris** f. *argentea* [Steven] Beissner, Syst. Eintheil. Conif. 27 (1887), "(Endl.)," "(f.)."
- Pinus silvestris* var. *argentea* Steven in Bull. Soc. Nat. Moscou, 1838[11]: 52 (1838). — Endlicher, Syn. Conif. 172 (1847) "*silvestris* c. a."
- P. sylvestris** f. *aurea* [Veitch] Beissner, Syst. Eintheil. Conif. 27 (1887) "(f.)." — Kihlmann in Meddel. Soc. Fauna Fl. Fenn. 29: 30, 256 (1904).
- Pinus sylvestris* var. *aurea* Veitch, Man. Conif. 157 (1881).
- P. sylvestris** f. *fastigiata* (Carr.) Beissner, Syst. Eintheil. Conif. 27 (1887) "(f.)." — Schneider in Silva Tarouca Uns. Freil.-Nadelh. 258 (1913) "var. *pyramidalis* f."
- Pinus sylvestris fastigiata* Carrière in Fl. des Serr. 11: 98 (1856). — Jäger, Ziergeh. 363 (1865) "var." — Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 222 (1897) "lus."
- Pinus sylvestris pyramidalis* Knight & Perry, Syn. Conif. 26 (1850), nom.
- P. sylvestris** f. *Watereri* (Beissn.) grad. nov.
- Pinus sylvestris Watereri* Beissner in Mitt. Deutsch. Dendr. Ges. 1902(11): 79 (1902).
- Pinus silvestris Watereriana* Beissner, l. c. (1902), nom. altern.
- P. sylvestris** f. *pendula* [Laws.] Beissner, Syst. Eintheil. Conif. 27 (1887) "(f.)." — Conwentz in Abh. Landeskr. Prov. Westpreuss. 9: 161 (1895) "*P. silvestris* f. p."
- Pinus sylvestris pendula* Knight & Perry, Syn. Conif. 26 (1850). — Hort. ex Lawson, List Pl. Fir Tribe, 43 (1851) "var." — Caspary in Schrift. Phys.-ökon. Ges. Königsb. 7: 49, t. 1 (1866) "var."
- P. sylvestris** f. *nana* (Carr.) Lipa, Dendrofl. U. R. S. R. 1: 115 (1939).
- Pinus sylvestris* (var.) *nana* Carrière, Traité Conif. 373 (1855).
- Pinus sylvestris pygmaea* Knight & Perry, Syn. Conif. 26 (1850), nom. — Beissner, Handb. Nadelh. 233 (1891). — Voss in Puttlitz & Meyer, Landlex. 4: 767 (1913) "f." — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 258 (1913) "var. *nana* f."
- P. sylvestris** f. *parvifolia* (Heer) Schröter in Bibl. Univ. Arch. Sci. Phys. Nat. ser. 3, 34: 390 (1895).
- Pinus sylvestris parvifolia* Heer in Verh. Schweizer. Naturf. Ges. 46: 181 (1862).
- Pinus sylvestris brevifolia* [Nelson], Pinac. 212 (1866). — Kuntze, Taschenfl. Leipzig, 6 (1867). — Non Link (1844).
- Pinus sylvestris* f. *brachyphylla* Wittrock in Hartman, Handb. Skand. Fl. ed. 12, 37 (1889).
- P. sylvestris** var. *rigensis* Loudon, Arb. Brit. 4: 2157 (1838).
- Pinus rigensis* Loddiges, Cat. ex Loudon, Hort. Brit. 387 (1830), nom. — Desfontaines ex Morogues in Mém. Soc. Agric. Sci. Orléans, sér. 2, 25: 43, pl. 5, fig. 10 (1885), pro syn.
- P. sylvestris** var. *scotica* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 488 (1884). — Schott in Forstwiss. Centralbl. 29: 278 (1907).
- Pinus rubra* Miller, Gard. Dict. ed. 8, P. no. 3 (1768). — Poiret, Encycl. Méth. Bot. 5: 335 (1804).
- Pinus sylvestris* β. *rubra* Reichard in Linnaeus, Syst. Pl. ed. noviss., 4: 172 (1780).
- Pinus sylvestris* a. *communis* Aiton, Hort. Kew. 3: 366 (1789).
- Pinus Hagenoviensis* Hort. ex Endlicher, Syn. Conif. 172 (1847), pro syn.
- Pinus scotica* Willd. ex Endlicher, l. c. (1847), pro syn.
- P. sylvestris** var. *lapponica* (Fr.) Hartman, Handb. Skand. Fl. ed. 5, 214 (1849).
- Pinus sylvestris* var. *lapponica* Fries, Summa Veget. Scand. 1: 58 (1846), nom.
- Pinus Frieseana* Wichura in Flora, 42: 409 (1859). — Ascherson & Graebner, Syn. Mitteleur. Fl., ed. 2, 1: 345 (1912).
- Pinus lapponica* (Hartm.) Mayr, Fremdl. Wald- & Parkbäume, 348 (1906).
- P. sylvestris** var. *engadinensis* (Heer) Hegi, Ill. Fl. Mitteleur. 1: 100 (1907).
- Pinus sylvestris* d. *engadinensis* Heer in Verh. Schweizer. Naturf. Ges. 46: 181 (1862). — Brügger in Jahresber. Naturf. Ges. Graubünd. n. ser., 29: 173 (1886) "f."
- P. Mugo** Turra, Fl. Ital. Prodr. 67 (1764). — Grande in Bull. Orto Bot. Napoli, 4: 184 (1914).
- Pinus montana* Miller, Gard. Dict. ed. 8, P. no. 5 (1768).
- Pinus Mughus* Scopoli, Fl. Carniol. ed. 2, 2: 247 (1772).
- Pinus sylvestris* γ. *montana* (Mill.) Aiton, Hort. Kew. 3: 366 (1789).
- Pinus Mugo* Poiret, Encycl. Méth. Bot. 5: 336 (1804).
- Pinus silvestris* var. *brevifolia* Link in Linnaea, 15: 487 (1844).
- P. Mugo** var. *Mughus* (Scop.) Zenari in Bull. Soc. Bot. Ital. 1921: 65 (1921).
- Pinus Mughus* Scopoli, Fl. Carniol. ed. 2, 2: 247 (1772).
- Pinus montana* var. *Mughus* Willkomm, Forstl. Fl. 175 (1875).
- P. Mugo** f. *Slavinii* (Hornibr.), grad. nov.
- Pinus montana* var. *Mughus* f. *Slavinii* Hornibrook in Gard. Chron. ser. 3, 81: 147, fig. 74 (1927) "*P. m. M.* var. *Slavinii*" sub fig.
- Pinus Mugo* var. *Slavinii* Bailey, Cult. Conif. 52 (1933).
- P. Mugo** var. *pumilio* (Haenke) Zenari in Bull. Soc. Bot. Ital. 1921: 65 (1921).
- Pinus pumilio* Haenke in Jirasek, Beob. Reis. Riesengeb. 68 (1791).
- Pinus magellensis* Schouw in Ann. Sci. Nat. sér. 3, 3: 233 (1845). — Christ in Flora, 46: 376, 379 (1863), pro syn.
- Pinus sylvestris* γ. *Pumilio* (Haenke) Wenderoth, Pflanz. Bot. Gärt. i. Conif. 20 (1851).
- Pinus carpatica* Hort. ex Gordon, Pinet. 180 (1858), pro syn.
- Pinus pumilio prostrata* R. Smith, Pl. Fir Tribe, 30 [1874?].
- Pinus montana* d. *pumilio* Heer in Verh. Schweizer. Naturf. Ges. 46: 187 (1862). — Christ in Flora, 46: 379 (1863) "f." — Willkomm, Forstl. Fl. 174 (1875) "var."
- Pinus montana* var. *prostrata* Tubeuf in Mitt. Deutsch. Dendr. Ges. 1912(21): 143, fig. 8–10 [1913].

**P. Mugo f. compacta** (D. Hill), grad. nov.

*Pinus Mugho compacta* D. Hill, Hill's Evergreens, ed. 1924, p. 30, fig. (p. 1, 31) (1924). — Rehder in Bailey, Cult. Evergr. 316 (1923) "*mugo* var." — Slavín in Nat. Hort. Mag. 13: 255, fig. (1934).

**P. Mugo var. rotundata** (Link) Hoopes, Book Evergr. 91 (1868).

*Pinus rotundata* Link in Abh. Akad. Wiss. Berlin, 1827: 168 (Fam. Pinus 12. 1827) (1830).

?*Pinus humilis* Link in op. cit. 170 (15. 1827) (1830).

*Pinus obliqua* Sauter ex Reichenbach, Fl. Germ. Excurs. 159 (1830).

*Pinus uliginosa* Neumann in Uebers. Arb. Schles. Ges. Vaterl. Kult. 1837: 95 (1838).

*Pinus uncinata* var. *β. rotundata* (Link) Antoine, Conif. 12 (1840).

?*Pinus sylvestris* var. *humilis* Link in Linnaea, 15: 488 (1841). — Heer in Verh. Schweizer. Naturf. Ges. 46: 186 (1862).

*Pinus sylvestris* var. *rotundata* Link in op. cit. 486 (1841).

*Pinus pumilio rotundata* Carrière in Jacques & Herincq, Man. Pl. 4: 355 (1857).

*Pinus montana* b. *P. uliginosa* Heer in Verh. Schweizer. Naturf. Ges. 46: 185 (1862).

?*Pinus montana* c. *P. humilis* (Lk.) Heer in op. cit. 186 (1862).

*Pinus montana* var. *rotundata* (Link) Willkomm, Forstl. Fl. 174 (1875).

*Pinus montana* var. *frutescens erecta* Tubeuf in Mitt. Deutsch. Dendr. Ges. 1912(21): 143, fig. 6, 7 [1913].

**P. Mugo var. rostrata** (Ant.) Hoopes, Book Evergr. 91 (1868).

*Pinus uncinata* Ramond ex De Candolle in Lamarck & De Candolle, Fl. Franç. 3: 726 (1805).

*Pinus sanguinea* Lapeyrouse, Hist. Pl. Pyrén. 587 (1813).

*Pinus uncinata* var. *a. rostrata* Antoine, Conif. 12 (1840).

*Pinus montana* a. *P. uncinata* Heer in Verh. Schweiz. Naturf. Ges. 46: 184 (1862).

*Pinus montana uncinata* Christ in Flora, 46: 379 (1863).

*Pinus pumilio rostrata* Carrière, Traité Conif. ed. 2, 478 (1867).

*Pinus montana* var. *arborea* Tubeuf in Mitt. Deutsch. Dendr. Ges. 1912(21): 143, fig. 2-5 [1913].

**P. rhaetica** [*Mugo* × *sylvestris*] Bruegger in Jahresber. Naturf. Ges. Graubünd. ser. 2, 23-4: 121 (1880).

*Pinus sylvestris hybrida* ? Heer in Verh. Schweiz. Naturf. Ges. 46: 182 (1862).

*Pinus rhaetica* Bruegger msc. ex Christ in Flora, 47: 150 (1864), pro syn.

*Pinus rhaetica* var. *Christii* Brügger in Jahresber. Naturf. Ges. Graubünd. ser. 2, 30: 178 (1886).

*Pinus digenea* (*sylvestris* × *uliginosa*) Beck in Ann. Nat. Hofmuseum Wien, 3: 77 (1888).

*Pinus Celakovskiorum* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 230 (1897).

**P. Heldreichii** Christ in Verh. Nat. Ges. Basel, 3: 549 (1863).

*Pinus Laricio* var. *Heldreichii* Anon. in Gard. Chron. ser. 2, 21: 740, fig. 140 (1884). — Masters in Gard. Chron. ser. 3, 31: 304, fig. 97 (1902).

*Pinus pindica* Formanek in Verh. Naturf. Ges. Brünn, 34: 372 (1896).

**P. Heldreichii** var. *leucodermis* (Ant.) Markgraf ex Fitschen in Beissner, Nadelh. ed. 3, 404 (1930). — Fiori in Alpe, 18: 39, fig. (1931. Jan.). — Markgraf in

Mitt. Deutsch. Dendr. Ges. 1931(43): 251, t. 27 (1931).

*Pinus leucodermis* Antoine in Oester. Bot. Zeitschr. 14: 366 (1864).

*Pinus Laricio* var. *leucodermis* (Ant.) Christ in Flora, 50: 81 (1867).

*Pinus nigra* var. *leucodermis* (Ant.) Rehder in Bailey, Stand. Cycl. Hort. 5: 2641 (1916).

**P. nigra** Arnold, Reise Mariazell, 8, t. (1785). — Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 331 (1912).

*Pinus austriaca* Hoess in Flora, 8, 1 (Beil.): 113 (1825).

*Pinus nigricans* Host, Fl. Austr. 2: 628 (1831).

*Pinus maritima* sensu Koch, Fl. Germ. Helv. 667 (1837).

— K. Koch, Dendr. 2, 2: 287 (1873). — Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 18: 226 (1936); 19: 135 (1938). — Vix Miller (1768). — NOM AMBIG. PROPOS. cf. Jour. Arnold Arb. 19: 282 (1938).

**P. nigra** var. *austriaca* (Hoess) Badoux, Beaux Arbres Vaud, 52 (1910).

*Pinus austriaca* Hoess in Flora, 8, 1 (Beil.): 113 (1825).

*Pinus nigricans* Host, Fl. Austr. 2: 628 (1831).

*Pinus Laricio* var. *austriaca* (Hoess) Loudon, Arb. Brit. 4: 2201 (1838). — Endlicher, Syn. Conif. 179 (1847).

?*Pinus Laricio* 2. *banatica* Schenk ex Kirchner in Petzold & Kirchner, Arb. Muscav. 685 (1864), nom. subnud.

*Pinus Laricio* b. *pachyphylla β. nigricans* (Host) Christ in Bot. Zeit. 23: 230 (1865).

*Pinus Laricio γ. nigricans* (Host) Parlato in De Candolle, Prodr. 16, 2: 387 (1868). — Voss, Vilmor. Blumen-gärt. 1: 1232 (1896) "subsp."

*Pinus Laricio* b. *crassifolia δ. austriaca* (Endl.) Willkomm, Forstl. Fl. 187 (1875).

*Pinus Laricio* var. *nigra* Engelmann in Trans. Acad. Sci. St. Louis, 4: 181 (1880), nom. altern. — Richter, Pl. Eur. 1: 2 (1890).

*Pinus nigra* A. *pachyphylla ι. austriaca* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 213 (1897).

*Pinus nigra* f. *austriaca* (Hoess) L. M. Neumann, Sver. Fl. 817 (1901).

*Pinus nigra* subsp. *nigra* (Arn.) Ronniger ex Novak in Preslia, 4: 54, fig. (1926).

**P. nigra** var. *caramanica* (Loud.) Rehder, Man. Cult. Trees Shrubs, 61 (1927).

?*Pinus tartarica* Weston, Bot. Univ. 1: 209 (1770), nom. subnud.

*Pinus romeniaca* Cels, Cat. Arb. Pl. 28 (1817), nom.

*Pinus Romania* Hort. Belv. ex Steudel, Nomencl. Bot. 622 (1821), nom.

*Pinus Pallasiana* D. Don in Lambert, Descr. Pinus, 2: 1, t. 1 (1824).

*Pinus caramanica* Bosc ex Delamarre, Traité Prat. Cult. Pins, ed. 3, 25 (1834), nom. — Loudon, Arb. Brit. 4: 2201 (1838), pro syn.

*Pinus caramaniensis* ex Bon Jard. 1837: 974 (1837) ex Loudon, l. c. (1838), pro syn.

*Pinus Laricio* var. *caramanica* (Bosc) Loudon, l. c. (1838).

*Pinus romana* Hort. ex Loudon, l. c. (1838), pro syn.

*Abies Romania* Loudon ex Steudel, Nomencl. Bot., ed. 2, 2: 338 (1841), pro syn.

*Pinus Laricio* var. *c. Pallasiana* (Lamb.) Endlicher, Syn. Conif. 179 (1847).

*Pinus corsica* var. *caramanica* (Loud.) [Nelson], Pinac. 110, 204 (1866).

*Pinus corsica* var. *Pallasiana* (Lamb.) [Nelson], l. c. (1866).

*Pinus Laricio* b. *crassifolia ε. Pallasiana* (Endl.) Willkomm, Forstl. Fl. 187 (1875).

***Pinus nigra* var. *caramanica*** (continued)

- Pinus Laricio* subsp. *nigricans* f. *Pallasiana* Voss, Vilmor. Blumengärt. 1: 1232 (1896).  
*Pinus nigra* A. *pachyphylla* H.B. *Pallasiana* (Lamb.) Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 214 (1897).  
*Pinus Laricio* subsp. 5. *karamana* Vilm. ex Masters in Jour. Linn. Soc. Lond. Bot. 35: 628 (1904), nom.  
*Pinus nigra* var. *Pallasiana* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 261 (1913).

***P. nigra* var. *Poiretiana*** [Ant.] Schneider in Silva Tarouca, l. c. (1913).

- Pinus Laricio* Poiret, Encycl. Méth. Bot. 5: 399 (1804).  
*Pinus Laricio* var. 1. *corsicana* Loudon, Arb. Brit. 4: 2201 (1838).  
*Pinus Laricio* var. 4. *calabrica* Loudon, l. c. (1838). — Vilmorin ex Masters in Jour. Linn. Soc. Lond. Bot. 35: 628 (1904).  
*Pinus Laricio* var. a. *Poiretiana* Antoine, Conf. 4 (1840). — Endlicher, Syn. Conf. 178 (1847) "var. a."  
*Pinus Laricio* b. *pachyphylla* a. *Poiretiana* (Endl.) Christ in Bot. Zeit. 23: 230 (1865).  
*Pinus corsica calabrica* [Nelson], Pinac. 110, 203 (1866).  
*Pinus Laricio* b. *crassifolia* γ. *Poiretiana* (Endl.) Willkomm, Forstl. Fl. 187 (1875).  
*Pinus Laricio* subsp. *nigricans* f. *calabrica* Voss, Vilmor. Blumengärt. 1: 1232 (1896).  
*Pinus Laricio* a. *typica* Pospichal, Fl. Oester. Küstenl. 1: 23 (1897).  
*Pinus nigra* A. *pachyphylla* H.B. *Poiretiana* (Ant.) Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 214 (1897).  
*Pinus Laricio* (var.) *corsica* Mouillefert, Traité Arb. Arbriss. 2: 1301, atl. t. 136 (1898).  
*Pinus nigra* var. *calabrica*, Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 261 (1913).  
*Pinus nigra* (subsp.) *pachyphylla* var. *calabrica* Voss in Putlitz & Meyer, Landlex. 4: 766 (1913).

***P. nigra* var. *cebennensis*** (Godr.) Rehder in Jour. Arnold Arb. 3: 208 (1922).

- Pinus pyrenaica* Lapeyrouse, Hist. Abr. Pl. Pyrén. Suppl. 146 (1818), p. p. — Hort. ex Carrière, Traité Conf. 390 (1855), pro syn.  
*Pinus Laricio* var. *pyrenaica* Loudon, Arb. Brit. 4: 2202 (1838), p.p. — Godron in Grenier & Godron, Fl. France, 3: 153 (1855) "β. p."  
*Pinus Laricio monspeliensis* Knight & Perry, Syn. Conf. 27 (1850), nom.  
*Pinus Salzmanni* Dunal in Mém. Acad. Sci. Montpellier. 2: 81, t. 12 (1851).  
*Pinus monspeliensis* Salzmann ex Dunal, l. c. (1851), pro syn.  
*Pinus Laricio* γ *cebennensis* Godron, l. c. (1855).  
*?Pinus Parolinianus* Webb mss. ex Carrière, Traité Conf. 391 (1855), pro syn.  
*Pinus Laricio* var. *leptophylla* Christ in Bot. Zeit. 23: 230 (1865).  
*Pinus Laricio* β. *tenuifolia* Parlatores in De Candolle, Prodr. 16,2: 387 (1868).  
*Pinus Laricio* a. *tenuifolia* β. *cebennensis* (Gren. & Godr.) Willkomm, Forstl. Fl. 186 (1875).  
*Pinus Laricio* var. *monspeliensis* (Salzm.) Hort. ex Laval-lée, Arb. Segrez. 246 (1877). — Koehne, Deutsche Dendr. 38 (1893) "subsp."  
*Pinus Laricio* var. *Salzmanni* (Dunal) Richter, Pl. Eur. 1: 2 (1890).  
*Pinus nigra* B. *Salzmannii* (Dunal) Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 215 (1897).

*Pinus nigra* var. *tenuifolia* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 262 (1913).

*Pinus nigra leptophylla* var. *monspeliensis* (Beiss.) Voss in Putlitz & Meyer, Landlex. 4: 766 (1913).

*Pinus nigra monspeliensis* Slavin in Nat. Hort. Mag. 12: 316, fig. (1933).

***P. nigra* f. *pendula*** (Carr.) Voss in Putlitz & Meyer, Landlex. 4: 766 (1913). — Rehder in Bailey, Stand. Cycl. Hort. 5: 2641 (1916, Oct.); 6: 3574 (1917); "var."

*Pinus Laricio pendula* Hort. ex Carrière, Traité Conf. 386 (1855).

?*Pinus corsica pendula* [Nelson], Pinac. 110 (1866).

*Pinus austriaca* var. *pendula* Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1914 (1907).

***P. nigra* f. *pyramidalis*** Slavin in Chittenden, Conf. Cult. Rep. Conf. Confer. 133 (1932); in Nat. Hort. Mag. 13: 132, fig. (1934).***P. nigra* f. *Hornibrookiana*** Slavin in Chittenden, op. cit. 132 (1932).***P. nigra* f. *pygmaea*** (Carr.), grad. nov.

*Pinus Laricio pygmaea* Carrière, Traité Conf. 385 (1855); ed. 2, 493 (1867). — Beissner, Handb. Conf.-Ben. 52 (1887, Oct.) "(f.)"; Handb. Nadelh. 243 (1891). — Hornibrook, Dwarf Conf. 135 (1923), exclud. syn. Rauch. — Non Rauch ex Gordon (1858).

*Pinus Laricio nana* Carrière, l. c. (1855), nom. altern., pro syn. in indice (p. 647), non *P. nigra* var. *nana* Grootend[orst] ex Hornibrook (1939).

*Pinus nigra* var. *pygmaea* Rehder in Bailey, Stand. Cycl. Hort. 5: 2641 (1916); 6: 3574 (1917). — Hornibrook, Dwarf Conf. ed. 2, 202 [1939], exclud. syn. Rauch ex Gordon. — Anon. in Gard. Chron. ser. 3, 112: 107, fig. 57 (1942).

?*Pinus nigra* var. *globosa* Hort. ex Bailey, Cult. Conf. 48 (1933).

***P. nigra* f. *Moseri*** (Moser), grad. nov.

*Pinus Laricio* (var.) *Moseri* in Jour. Soc. Hort. France, ser. 4, 1: 53 (1900). — Beissner in Mitt. Deutsch. Dendr. Ges. 1900(9): 62 (1900) "(f.)". — Hornibrook, Dwarf Conf. 135 (1923).

*Pinus nigra* var. *Moseri* Fitschen in Beissner, Handb. Nadelh., ed. 3, 400 (1930). — Hornibrook in Chittenden, Conf. Cult. Rep. Conf. Confer. 81 (1932); Dwarf Conf., ed. 2, 201 [1939].

***P. nigra* f. *prostrata*** (Beissn.), grad. nov.

*Pinus Laricio* var. *prostrata* Beissner in Mitt. Deutsch. Dendr. Ges. 1903(12): 26 (1903).

*Pinus nigra* var. *prostrata* (Beissn.) Rehder in Bailey, Stand. Cycl. Hort. 5: 2641 (1916); 6: 3574 (1917).

***P. Thunbergii*** Parlatores in De Candolle, Prodr. 16,2: 388 (1868). — Wilson, Conf. Taxads Jap. 27, t.13, 14 (1916). — Non Lambert (1828), pl. obscura.

*Pinus sylvestris* sensu Thunberg, Fl. Jap. 274 (1784), p. p.; non Linnaeus (1753).

*Pinus sylvestris* b. *rubra* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 12 (Syn. Pl. Oec. Jap.) (1830), nom.

*Pinus Massoniana* sensu Siebold & Zuccarini, Fl. Jap. 2: 24, t. 113, 114 [1842], non Lambert (1803).

*Pinus rubra* Sieb. ex Siebold & Zuccarini, op. cit. 2: 25 [1842], pro syn.; non Miller (1868), nec Michaux f. (1810), nec Lambert (1828).

- P. Thunbergii** f. *oculus-draconis* (Mayr), grad. nov.  
*Pinus Thunbergii* var. c. *Oculus draconis* Mayr, Monogr. Abiet. Jap. 89 (1890).
- P. tabulaeformis** Hort. ex Carrière, Traité Conif. ed. 2, 510 (1867).—Rehder in Jour. Arnold Arb. 7: 22 (1926).  
*Pinus leucosperma* Maximowicz in Bull. Acad. Sci. St. Pétersb. 16: 558 (in Mém. Biol. 11: 347) (1881).  
*Pinus Thunbergii* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 7: 95 (Pl. David. 1: 285) (1884), non Parlatores (1868).  
*Pinus densiflora* sensu Franchet in Jour. de Bot. 13: 253 (1899), non Siebold & Zuccarini (1842).  
*Pinus funebris* Komarov in Act. Hort. Petrop. 20: 177 (1901).  
*Pinus densiflora* var. *tabuliformis* Fortune ex Masters in Jour. Linn. Soc. Lond. Bot. 26: 549 (1902).  
*Pinus Henryi* Masters in op. cit. 550 (1902).  
*Pinus sinensis* sensu Mayr, Fremdl. Wald- & Parkbäume, 349, fig. 113 (1906).—Shaw in Sargent, Pl. Wilson. 2: 15 (1914), p. p.; Gen. Pinus, 60, t. 23, fig. 205-7 (1916).—Non Lambert (1832).  
*Pinus Wilsonii* Shaw in Sargent, Pl. Wilson. 1: 3 (1911).
- P. tabulaeformis** var. *densata* (Mast.) Rehder in Jour. Arnold Arb. 7: 22 (1926).  
*Pinus densata* Masters in Jour. Linn. Soc. Lond. Bot. 37: 417 (1906).  
*Pinus prominens* Masters, l. c. (1906).  
*Pinus sinensis* var. *densata* Shaw in Sargent, Pl. Wilson. 2: 17 (1914); Gen. Pinus, 60, t. 23, fig. 201 (1914).
- P. yunnanensis** Franchet in Jour. de Bot. 13: 253 (1899).  
*Pinus sinensis* var. *yunnanensis* Shaw in Sargent, l. c. (1914); Gen. Pinus, 60, t. 23, fig. 22-24 (1914).
- Ser. 8. AUSTRALIS Engelm. in Trans. Acad. Sci. St. Louis, 4: 177 (Rev. Pinus, 17) (1880) "subsect."  
*Pinus* sect. *Taeda* Spach, Hist. Nat. Vég. Phan. 11: 387 (1842).  
*Pinus* sect. VIII. *Pseudo-Strobis* Endlicher, Syn. Conif. 151 (1847).—Parlatore in De Candolle, Prodr. 16, 2: 398 (1868), p. p. typ.  
*Pinus* subsect. *Ponderosae* Engelm. in l. c. (1880), p. p. typ.  
*Pinus* sect. *Cubenses* Masters in Jour. Linn. Soc. Lond. Bot. 35: 570 (1904), p. p.  
*Pinus* sect. *Jeffreya* Mayr, Fremdl. Wald- & Parkbäume, 364 (1906), p. p. typ.
- P. ponderosa** Douglas ex Lawson, Agric. Man. 354 (1836).—Sabine ex Douglas, Jour. Travels N. Am., 1823-27 (ed. W. Wilks) 345 (1914).—Sargent, Silva N. Am. 11: 77, t. 560-1 (1897).  
*Pinus Benthamiana* Hartweg in Jour. Hort. Soc. Lond. 2: 189 (1847).  
*Pinus brachyptera* Engelm. in Wislizenus, Mem. Tour. N. Mex. 89 (1848).  
*Pinus Beardsleyi* A. Murray in Edinb. New Philos. Jour. n. ser., 1: 286 t. 6 (1855).  
*Pinus Craigiana* A. Murray, l. c. 288, t. 7 (1855).  
*Pinus Parryana* Gordon, Pinet. 202 (1858).  
*Pinus ponderosa* var. *Benthamiana* (Hartw.) Vasey in Rep. U. S. Dept. Agric. 1875: 178 (Cat. For. Trees U. S. 30) (1876).  
*Pinus ponderosa* var. *brachyptera* (Engelm.) Lemmon in Bienn. Rep. Calif. State Board For. 2: 73, 97 (Pines Pacif. Slope) (1888).  
*Pinus latifolia* Sargent in Gard. & For. 2: 496, fig. 135 (1889).
- Pinus Apachea* Lemmon in Erythea, 2: 103, t. 3 (1894).  
*Pinus Mayriana* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 21 (Nomencl. Arb. Fl. U. S.) (1897).  
*Pinus ponderosa* var. *Mayriana* (Sudw.) Sargent, Silva N. Am. 11: 81 (1897).
- P. ponderosa** f. *pendula* (H. W. Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 44 (1940) "(f.)"  
*Pinus ponderosa pendula* H. W. Sargent in Gard. Chron. n. ser. 10: 37, fig. (1878).—Rehder in Bailey, Cycl. Am. Hort. 3: 1352 (1901) "var."
- P. ponderosa** var. *scopulorum* Engelm. in S. Watson, Bot. Calif. 2: 126 (1880).  
*Pinus scopulorum* (Engelm.) Lemmon in Gard. & For. 10: 183 (1897).
- P. Jeffreyi** Balfour in A. Murray, Bot. Exp. Oregon, 2, fig. (1853).—Hort. ex Gordon, Pinet. 198 (1858) "*Jeffreyi*."—Oreg. Com. ex A. Murray in Edinb. New Philos. Jour. new ser., 11: 224, t. 8, 9 (1860) "described by Prof. Balfour."  
*Pinus Jeffreyana* Low & Co. ex Loudon, Encycl. Pl. n. ed., 1544 (1855), nom.—Van Houtte ex Gordon, l. c. (1858), pro syn.  
*Pinus deflexa* Torrey in Emory, Rep. U. S. Mex. Bound. Surv. 2, 1: 209, t. 56 (1859).  
*Pinus ponderosa* var. *Jeffreyi* [A. Murr.] Vasey in Rep. U. S. Dept. Agric. 1875: 179 (Cat. Forest Trees U. S. 31) (1876).—Sargent, Silva N. Am. 11: 79, t. 562-3 (1897).  
*Pinus Jeffreyi* var. *nigricans* Lemmon in Bienn. Rep. Calif. State Board For. 2: 74, 100, t. (Pines Pacific Slope) (1888).  
*Pinus Jeffreyi* var. (b.) *deflexa* (Torr.) Lemmon, l. c. (1888).  
*Pinus Jeffreyi* var. (c.) *montana* Lemmon, W. Am. Cone-Bear. 35 (1895).  
*Pinus ponderosa* var. *nigricans* Lemmon, op. cit. 33 (1895).
- P. palustris** Miller, Gard. Dict. ed. 8, P. no. 14 (1768).—Sargent, Silva N. Am. 11: 151, t. 589-90 (1897).  
*Pinus longifolia* Salisbury, Prodr. Stirp. Chap. Allert. 398 (1796).  
*Pinus australis* Michaux, Hist. Arb. For. Am. Sept. 1: 64 (1810).
- P. Taeda** Linnaeus, Sp. Pl. 1000 (1753).—Sargent, Silva N. Am. 11: 111, t. 177-8 (1897).  
*Pinus lutea* Walter, Fl. Carol. 237 (1788).  
*Pinus heterophylla* sensu Small, Fl. Southeast. U. S. 28 (1903), non Sudworth (1893).
- P. echinata** Miller, Gard. Dict. ed. 8, P. no. 12 (1768).—Sargent, Silva N. Am. 11: 143, t. 587 (1897).  
*Pinus Virginiana* b. *echinata* (Mill.) Du Roi, Obs. Bot. 44 (1771).  
*Pinus squarrosa* Walter, Fl. Carol. 237 (1788).  
*Pinus Taeda* γ. *variabilis* Aiton, Hort. Kew. 3: 368 (1789).  
*Pinus Taeda* β. *echinata* (Mill.) Castiglioni, Viagg. Stati Uniti, 2: 312 (1790).  
*Pinus mitis* Michaux, Fl. Bor. Am. 2: 204 (1803).  
*Pinus variabilis* (Ait.) Lambert, Descr. Gen. Pinus, 1: 22, t. 15 (1803).  
? *Pinus Royleana* Jamieson in Jour. Hort. Soc. Lond. 9: 52, fig. (1854).
- Ser. 9. INSIGNES Shaw, Gen. Pinus, 76 (1914).  
*Pinus* sect. *Pinaster* Endlicher, Syn. Conif. 166 (1847), spec. nonnull. exclud.  
*Pinus* sect. *Banksia* Mayr, Wald. N. Am. 426 (1890).  
*Pinus* sect. *Murraya* Mayr ex Koehne, Deutsche Dendr.

***Pinus echinata*** (*continued*)

33 (1893).—Mayr, *Fremdl. Wald- & Parkbäume*, 356 (1906).

***P. halepensis*** Miller, *Gard. Dict.* ed. 8, *P.* no. 8 (1768).—Poirot, *Encycl. Méth. Bot.* 5: 338 (1804) "*alepensis*."—Ascherson & Graebner, *Syn. Mitteleur. Fl.* ed. 2, 1: 326 (1912).

*Pinus maritima* sensu Lambert, *Descr. Pinus*, 1: 13, t. 10 (1803), non Miller (1768).—*NOM. AMBIGUUM PROPOS.* cf. Rehder in *Jour. Arnold Arb.* 19: 282 (1938).

*Pinus resinosa* sensu Loiseleur in Duhamel, *Traité Arb. Arbust.* éd. augm. [Nouv. Duhamel], 5: 237, t. 77 (1812), non Ait. (1789).

*Pinus arabica* Sieber ex Sprengel, *Syst. Veg.* 3: 886 (1826).

*Pinus hispanica* S. E. Cook (later Widdrington), *Sketch. Spain*, 2: 337 (1834).

*Pinus Pityusa* Steven in *Bull. Soc. Nat. Moscou*, 1838 [11]: 49, t. 2 (1838).

*Pinus carica* Don in *Ann. Mag. Nat. Hist.* 7: 459 (1841).

*Pinus persica* ? [Strangways] Loudon in *Gard. Mag.* (Loudon) n. ser., 5: 130 (1839), nom. subnud.—Strangw. ex Endlicher, *Syn. Conif.* 157 (1847).

*Pinus Abasica* Carrière, *Traité Conif.* 352 (1855).

*Pinus Abchasica* Hort. ex Carrière, l. c. (1855), pro syn.

*Pinus Loiseleuriana* Carrière, op. cit. 382 (1855).

*Pinus Parolinii* Visiani in *Mem. Istit. Venet.* 6: 243, t. 1 (1856).

***P. halepensis* var. *brutia*** (Ten.) Henry in Elwes & Henry, *Trees Gt. Brit. Irel.* 5: 1100 (1910).

*Pinus brutia* Tenore, *Cat. Hort. Neap. Appx.* 1: 75 (1815).—Ascherson & Graebner, *Syn. Mitteleur. Fl.* ed. 2, 1: 327 (1912).

*Pinus pyrenaica* Lapeyrouse, *Hist. Pl. Pyrén. Suppl.* 146 (1818), p. p.—[David in] *Ann. Soc. Hort. Paris*, 12: 186 (1833).

*Pinus eldarica* Medwyedev in Trudy Tiflis. Bot. Sad, 6: 21, t. (1902).—Beissner in *Mitt. Deutsch. Dendr. Ges.* 1903(12): 55 (1903).

*Pinus halepensis* var. *eldarica* Fitschen in Beissner, *Handb. Nadelh.* ed. 3, 392 (1930).

***P. halepensis*-*Pinaster*** (*P. halepensis* × *Pinaster*) Saporta in *Compt. Rend. Acad. Sci. Paris*, 109: 656 (1889).

***P. Pinaster*** Aiton, *Hort. Kew.* 3: 367 (1789).

?*Pinus maritima* Miller, *Gard. Dict.* ed. 8, *P.* no. 7 (1768).—Du Roi, *Harbk. Baumz.* 2: 42 (1772).—Poirot in Lamarck, *Encycl. Méth. Bot.* 5: 337 (1804).—*NOM. AMBIG. PROPOS.* cf. Rehder in *Jour. Arnold Arb.* 19: 282 (1938).

*Pinus glomerata* Salisbury, *Prodr. Stirp. Chap. Allert.* 398 (1796).

*Pinus escarena* Risso, *Hist. Nat.* 2: 340 (1826).

*Pinus Lemniana* Benthham in *Trans. Soc. Hort. Lond. ser.* 2, 1: 512, t. (1835).

*Pinus Hamiltonii* Tenore, *Cat. Hort. Napol.* 90 (1845).

***P. virginiana*** Miller, *Gard. Dict.* ed. 8, *P.* no. 9 (1768).—Sargent, *Silva N. Am.* 11: 123, t. 581 (1897).

*Pinus inops* Aiton, *Hort. Kew.* 3: 367 (1789).

***P. rigida*** Miller, op. cit. *P.* no. 10 (1768).—Sargent, op. cit. 115, t. 579 (1897).

***P. rigida* var. *serotina*** (Michx.) Loudon ex Hoopes, *Book Evergr.* 120 (1868).—Clausen in Torrey, 39: 126 (1939).—Little in *Am. Jour. Bot.* 31: 590 (1944).

*Pinus serotina* Michaux, *Fl. Bor.-Am.* 2: 205 (1803).—Sargent, *Silva N. Am.* 11: 119, t. 580 (1897).

***P. pungens*** Lambert in *Ann. Bot.* 2: 198 (1806).—Sargent, op. cit. 135, t. 584 (1897).

*Pinus montana* Noll, *Bot. Class. Book*, 340 (1856), non Miller (1768).

***P. Banksiana*** Lambert, *Descr. Pinus*, 1: 7, t. 3 (1803).—Sargent, *Man. Trees N. Am.* ed. 2, 24, fig. 28 (1922).

*Pinus sylvestris* ♂ *divaricata* Aiton, *Hort. Kew.* 3: 366 (1789).

*Pinus Hudsonia* Poirot in Lamarck, *Encycl. Méth. Bot.* 5: 339 (1804).

*Pinus rupestris* Michaux f., *Hist. Arb. Am.* 1: 49, t. 2 (1810).

*Pinus divaricata* (Ait.) Dumont de Courset, *Bot. Cult.*, ed. 2, 6: 457 (1811).—Sargent, *Silva N. Am.* 11: 147, t. 588 (1897).

*Pinus Hudsonica* Parlatore in De Candolle, *Prodr.* 16: 2: 380 (1868).

***P. contorta*** Douglas ex Loudon, *Arb. Brit.* 4: 2292, fig. 2210, 2211 (1838).—Sargent, *Silva N. Am.* 11: 89, t. 567 (1897).—Sabine ex Douglas, *Jour. Travels N. Am.* 1823–27 (ed. W. Wilks) (App. 8) 346 (1914).

*Pinus inops* sensu Bongard in *Mém. Acad. Sci. St. Pétersb. sér. 6*, 2: 163 (Obs. Vég. Sitcha, 45 [1832] (1833), non Aiton (1789).

*Pinus Bolanderi* Parlatore in De Candolle, *Prodr.* 16: 2: 379 (1868).

*Pinus contorta* var. *Bolanderi* (Parl.) Vasey in *Rep. U. S. Dept. Agric.* 1875: 177 (Cat. For. Trees U. S. 29) (1876).

*Pinus tenuis* Lemmon in *Erythea*, 6: 77 (1898).

***P. contorta* var. *latifolia*** Engelm. ex S. Watson in *King, Rep. U. S. Geol. Expl. 40th Parall.* 5: 331 (1871).—Engelmann in *Rep. U. S. Geog. Surv. West 100th Merid.* 6: 262 (1878).—Sargent, *Man. Trees N. Am.*, ed. 2, 23, fig. 27 (1922).

*Pinus Murrayana* Balfour ex A. Murray, *Bot. Exp. Oregon*, 2, fig. (1853) "described by Prof. Balfour."—*Oreg. Com. ex A. Murray in Edinb. New Philos. Jour. n. ser.*, 11: 226 (1860).

*Pinus Boursieri* Carrière in *Rev. Hort.* 1854: 225, fig. (1854); *Traité Conif.* 298 (1855).

*Pinus Tamrac* Murray in *Gard. Chron.* 1869: 191, fig. 1–9 (1869).

*Pinus contorta* var. *Murrayana* (Balf.) Engelmann in S. Watson, *Bot. Calif.* 2: 126 (1880).—Sargent, *Silva N. Am.* 11: 90, t. 568 (1897).

*Pinus Murrayana* var. *Sargentii* Mayr, *Wald. N. Am.* 349 (1890).

***P. muricata*** D. Don in *Trans. Linn. Soc. Lond.* 17: 441 (1837).—Sargent, *Silva N. Am.* 11: 139, t. 585–6 (1897).

*Pinus Edgariana* Hartweg in *Jour. Hort. Soc. Lond.* 3: 217 (1848).

***P. attenuata*** Lemmon in *Mining & Sci. Press*, 64: 45 (1892); in *Gard. & For.* 5: 65 (1892).—Sargent, op. cit. 107, t. 575–6 (1897).

*Pinus californica* Hartweg in *Jour. Hort. Soc. Lond.* 2: 189 (1847), non Loiseleur (1812).

*Pinus tuberculata* Gordon in *Jour. Hort. Soc. Lond.* 4: 218 (1849), non D. Don (1837).

***P. attenuuradiata*** (*P. attenuata* ♀ × *radiata*) Stockwell & Righter in *Madroño*, 8: 160 (1946).

***P. radiata*** D. Don in *Trans. Linn. Soc. Lond.* 17: 442 (1837).—Sargent, *Silva N. Am.* 11: 103, t. 573–4 (1897).

- ?*Pinus Californiana* Loiseleur in Duhamel, *Traité Arb. Arbust.* éd. augm. [Nouv. Duhamel] 5: 243 (1812). — Loudon, *Arb. Brit.* 4: 2268 (1838). — Hooker & Arnott, *Bot. Beechey's Voy.* 393 (1841).
- ?*Pinus adunca* Bosc ex Poiret, *Encycl. Méth. Bot. Suppl.* 4: 418 (1816).
- Pinus tuberculata* D. Don in *Trans. Linn. Soc. Lond.* 17: 442 (1837).
- Pinus insignis* Douglas ex Loudon, *Arb. Brit.* 4: 2265, fig. 2170-72 (1838).
- Pinus Sinclairii* Hooker & Arnott, *Bot. Beechey's Voy.* 392, t. 93 (1841), quoad fol.
- Pinus Sinclairiana* Carrière, *Traité Conif.* 355 (1855).
- Pinus Montereyensis* Rauch ex Gordon, *Pinet.* 197 (1858), pro syn.
- Ser. 10. MACROCARPAE Shaw, *Gen. Pinus* 90 (1916).
- Pinus* sect. VIII. *Pseudo-Strobis* Endlicher, *Syn. Conif.* 151 (1847), p. p.
- P. Sabiniana** Douglas in *Trans. Linn. Soc. Lond.* 16: 747 (1833). — Sargent, *Silva N. Am.* 11: 95, t. 569-70 (1897).
- P. Torreyana** Parry ex Carrière, *Traité Conif.* 326 (1855). — Parry in Emory, *U. S. & Mex. Bound. Surv.* 2, 1: 210, t. 58-9 (*Bot. Bound.*) (1859). — Sargent, op. cit. 71, t. 557-8 (1897).
- Pinus lophosperma* Lindley in *Gard. Chron.* 1860: 46 (1860).
- P. Coulteri** D. Don in *Trans. Linn. Soc. Lond.* 17: 440 (1837). — Sargent, op. cit. 99, t. 571-2 (1897).
- Pinus macrocarpa* Lindley in *Bot. Reg.* 26 (Misc.): 62 (1840).
- Subfam. II. TAXODIOIDEAE (Vierhapp.) Rehder in *Jour. Arnold Arb.* 26: 67 (1945).
- Cupressaceae* Horaninov, *Char. Ess. Reg. Veg.* 26 (1847), p. p.
- Coniferae* ord. I. *Cupressineae* § 5. *Taxodineae* Endlicher, *Syn. Conif.* 6 (1847).
- Coniferae* ord. II. *Abietineae* § 3. *Cunninghamieae* Endlicher, op. cit. 80 (1847).
- Coniferae* trib. *Abietineae* subtr. *Taxodieae* Parlatore in De Candolle, *Prodr.* 16, 2: 365 (1868). — Bentham & Hooker f., *Gen. Pl.* 3: 422 (1880) "*Coniferae* trib. *Taxodieae*."
- Taxodineae*, *Sequoieae*, *Sciadopityeae* Luerksen, *Grundzüge Bot.* 265 (1877) "fam." (subord. *Araucariaceae*).
- Coniferae* i. *Pinoideae* 1. *Abietineae* c. *Taxodiinae* Eichler in *Nat. Pflanzenfam.* II. 1: 65, 84 (1889).
- Araucariaceae* §. *Taxodieae* Engler, *Syllab. Vorles. grosse* Aug. 62 (1892).
- Taxodiaceae* F. W. Neger, *Nadelh.* 24, 127 (*Samml. Göschen*, no. 355 (1907)).
- Taxocupressaceae* subfam. *Taxodioideae* Vierhapper in *Abh. Zool.-Bot. Ges. Wien*, 5, 4: 23 (1910).
- Pinaceae* subfam. *Abietoideae* trib. *Taxodieae* Ascherson & Graebner, *Syn. Mitteleur. Fl.* ed. 2, 1: 280, 355 (1912). — Engler, *Syllab. Vorles.* ed. 9, 122 (1924) "*P.* §. *Taxodieae*."
- Pinaceae* subfam. 2. *Sciadopitoideae* Saxton in *New Phytol.* 12: 253 (1913).
- Cupressaceae* subfam. *Sequoieae* Saxton, l. c. (1913).
- SCIADOPITYS** Siebold & Zuccarini, *Fl. Jap.* 2: 3, t. 101, 102 [1842]. — Bentham & Hooker f., *Gen. Pl.* 3: 437 (1880).
- Typus: *Taxus verticillata* Thunb. = *S. verticillata* (Thunb.) Sieb. & Zucc.
- S. verticillata** (Thunb.) Siebold & Zuccarini, l. c. [1842]. — Wilson, *Conif. Taxads Jap.* 64, t. 46, 47 (1916).
- Taxus verticillata* Thunberg, *Fl. Jap.* 276 (1784).
- Pinus verticillata* (Thunb.) Siebold in *Verh. Batav. Genoot. Kunst. Wetensch.* 12: 12 (*Syn. Pl. Oecon. Jap.*) (1830).
- SEQUOIA** Endlicher, *Syn. Conif.* 197 (1847). — Bentham & Hooker f., *Gen. Pl.* 3: 429 (1880), *S. gigantea* exclud. — NOM. CONSERV.; cf. *Règl. Intern. Nom. Bot.* 72, no. 32 (1906).
- Steinhauera* Presl in Sternberg, *Fl. Vorwelt*, 2: 202, t. 49, 57 (1838), fossil.
- Gigantabies* [Nelson], *Pinac.* 77 (1866).
- Typus: *Taxodium sempervirens* Lamb. = *S. sempervirens* (Lamb.) Endl.
- S. sempervirens** (Lamb.) Endlicher, *Syn. Conif.* 198 (1847). — Sargent, *Silva N. Am.* 10: 141, t. 535 (1896).
- Taxodium sempervirens* Lambert, *Descr. Pinus* 2: 24, t. 7, fig. 1 (1824); ed. 2, 2: 107, t. 48 (1820). — Hooker, *Fl. Bor.-Am.* 2: 164 (1839).
- Abies religiosa* sensu Hooker & Arnott, *Bot. Beechey Voy.*, 160 (1841), non Lindley (1833).
- Schubertia sempervirens* (Lamb.) Spach, *Hist. Nat. Vég. Phan.* 11: 353 (1842).
- Sequoia gigantea* Endlicher, *Syn. Conif.* 198 (1847).
- Sequoia religiosa* Presl, *Epimel. Bot.* 237 [1852].
- Gigantabies taxifolia* [Nelson], *Pinac.* 78 (1866).
- Sequoia taxifolia* Kirwan, *Conif.* 246 (1868).
- Steinhauera sempervirens* (Endl.) Voss in *Mitteil. Deutsch. Dendr. Ges.* 1907(16): 90 [1908].
- S. sempervirens f. adpressa** (Carr.) Beissner, *Syst. Eintheil. Conif.* 21 (1887) "(f.)."
- Sequoia sempervirens adpressa* Carrière, *Traité Conif.* ed. 2, 211 (1867).
- Taxodium sempervirens albo-spica* Hort. ex Gordon, *Pinet.* ed. 2, 381 (1875), pro syn.
- Taxodium sempervirens adpressum* Beissner in Jäger & Beissner, *Ziergeh.* ed. 2, 495 (1884).
- Sequoia sempervirens albo-spica* Nicholson, *Ill. Dict. Gard.* 3: 422 (1887). — Masters in *Jour. Hort. Soc. Lond.* 14: 247 (1892). — Sudworth in *U. S. Dept. Agric. Div. For. Bull.* 14: 63 (*Nomencl. Arb. Fl. U. S.*) (1897).
- Sequoia taxifolia adpressa* Hort. ex Mouillefert, *Traité Arb. Arbriss.* 2: 1335 (1898).
- S. sempervirens f. glauca** (R. Sm.), grad. nov.
- Sequoia sempervirens glauca* R. Smith, *Pl. Fir Tribe*, 41 (1874?). — Hort. ex Gordon, *Pinet.* ed. 2, 381 (1875). — Rehder in Bailey, *Cult. Evergr.* 236 (1923, Oct.) "var."; *Man. Cult. Trees Shrubs*, 25 (1927) "var."
- Taxodium sempervirens glaucum* Gordon, l. c. (1875), pro syn.
- S. sempervirens f. pendula** (Rovelli), grad. nov.
- Sequoia sempervirens pendula* Rovelli, *Cat. no.* 142: 33, fig. (1899). — Beissner in *Mitt. Deutsch. Dendr. Ges.* 1899(8): 112 (1899). — Schneider in Silva Tarouca, *Uns. Freil.-Nadelh.* 272, fig. 283 (1913) "var."
- SEQUIADENDRON** Buchholz in *Am. Jour. Bot.* 26: 536 (1939).
- Condylocarpus* Salisb. ex Lambert, *Descr. Pinus*, 8° ed. 120 (1832), pro syn.; non Desfontaines (1822).
- Wellingtonia* Lindley in *Gard. Chron.* 1853: 819 (1853), non A. Meissner (1840).
- Typus: *Wellingtonia gigantea* Lindl. = *S. giganteum* (Lindl.) Buchh.

**Sequoiadendron** (continued)**S. giganteum** (Lindl.) Buchholz, l. c. (1939).*Wellingtonia gigantea* Lindley in Gard. Chron. **1853**: 819 (1853).*Sequoia gigantea* (Lindl.) Decaisne in Bull. Soc. Bot. France, **1**: 70 (1854), non Endlicher (1847).*Taxodium Washingtonium* Winslow in Calif. Farmer Jour. Usef. Sci. **1**: Sept. (1854) ex Hooker in Hooker's Jour. Bot. Kew Gard. Misc. **7**: 29 (1855), nom. subnud.—B. D. Jackson in Index Kew. **2**: 1039 (1895) "*Washingtonianum*."*Washingtonia Californica* Winslow, l. c. (1854), nom. altern.*Sequoia Wellingtonia* Seemann in Bonplandia, **3**: 27 (1855).—Sargent, Silva N. Am. **10**: 145, t. 536 (1896).*Washingtonia Americana* Hort. Am. ex Gordon, Pinet. Suppl. 106 (1862), pro syn.*Gigantabies Wellingtoniana* [Nelson], Pinac. 79 (1866).*Washingtonia gigantea* Auct. Am. ex Carrière, Conif. ed. 2, 217 (1867), pro syn.*Sequoia Washingtoniana* (Winslow) Sudworth in U. S. Dept. Agric. Div. For. Bull. **14**: 61 (Nomencl. Arb. Fl. U. S.) (1897).*Steinhauera gigantea* (Lindl.) Kuntze ex Voss in Mitt. Deutsch. Dendr. Ges. **1907**(16): 90 [1908].**S. giganteum f. pendulum** (Carr.) Rehder in Jour. Arnold Arb. **20**: 409 (1939).*Wellingtonia pendula* Carrière in Rev. Hort. **1870-71**: 526 (Sept. 1871).*Wellingtonia gigantea pendula* [Otto] in Hamburg. Gart.- & Blumenzeit. **27**: 573 (Dec. 1871).*Sequoia gigantea* var. *pendula* Lavallée, Arb. Segrez. 271 (1877).—Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, **1**: 369 (1912) "lus."*Wellingtonia gigantea pendula vera* Anon. in Jour. For. London, **3**: 260 (1879).*Sequoia Washingtonia pendula* (Beissn.) Sudworth in U. S. Dept. Agric. Div. For. Bull. **14**: 62 (Nomencl. Arb. Fl. U. S.) (1897).*Sequoia Wellingtonia* var. *pendula* Kent, Veitch's Man. Conif. ed. 2, 275 (1900).*Sequoia gigantea Barroni pendula* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **3**: 701 (1908).**TAXODIUM** Richard in Ann. Mus. Hist. Nat. Paris, **16**: 298 (1810).—Bentham & Hooker f., Gen. Pl. **3**: 429 (1880), *Glyptostrobus* exclud.*Cupressus Linnaeus*, Sp. Pl. 1002 (1753), p. p.*Schubertia* Mirbel in Mém. Mus. Hist. Nat. Paris, **13**: 75 (1825).—Spach, Hist. Nat. Vég. Phan. **11**: 347 (1842).*Cupressipinnata* [Nelson], Pinac. 62 (1866).TYPUS: *Cupressus disticha* L. = *T. distichum* (L.) Richard.**T. distichum** (L.) Richard in Ann. Mus. Hist. Nat. Paris, **16**: 298 (1810).—Sargent, Silva N. Am. **10**: 151, t. 537 (1896).*Cupressus disticha* Linnaeus, Sp. Pl. 1002 (1753).*Cupressus disticha a. patens* Aiton, Hort. Kew. **3**: 372 (1789).*Cupressus laeta* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).*Schubertia disticha* (L.) Mirbel in Mém. Mus. Hist. Nat. Paris, **13**: 75 (1825).—Spach, Hist. Nat. Vég. Phan. **11**: 349 (1842).*Taxodium distichum a. patens* (Ait.) Endlicher, Syn. Conif. 68 (1847).*Cupressipinnata disticha* [Nelson], Pinac. 62 (1866).*Taxodium Knightii* Hort. ex K. Koch, Dendr. **2**: 198 (1873), pro syn.*Glyptostrobus heterophylla* sensu Annesly, Beautif. Trees Pl. 17, t. (1903), non Endlicher (1847).**T. distichum f. pendens** Rehder in Jour. Arnold Arb. **20**: 86 (1939).*Taxodium distichum nutans* Carrière, Traité Conif. ed. 2, 183 (1867), non Sweet (1827).*Taxodium distichum pendulum* Horsey in Horticulture Boston, ser. 2, **3**: 446, fig. (1925).—Slavin ex Bailey, Cult. Conif. 138 (1933).—Non Carrière (1867).**T. ascendens** Brongniart in Ann. Sci. Nat. **30**: 182 (1833).*Cupressus disticha β. imbricaria* Nuttall, Gen. N. Am. Pl. **2**: 224 (1818).*Taxodium microphyllum* Brongniart, l. c. (1833).*Cupressus sinensis* Hort. Par. ex Brongniart, l. c. 183 (1833), pro syn.*Taxodium distichum* var. *imbricarium* Croom, Cat. Pl. New Bern, 30 (1837).—Sargent, Silva N. Am. **10**: 152 (1896).*Taxodium distichum fastigiatum* Hort. ex Knight & Perry, Syn. Conif. 21 (1850), nom.—Carrière, Traité Conif. 145 (1855).—Voss, Vilmor. Blumengärt. **1**: 1236 (1896) "f."*Cupressipinnata disticha fastigiata* [Nelson], Pinac. 62 (1866).*Taxodium distichum ascendens* Carrière ex Masters in Jour. Hort. Soc. Lond. **14**: 248 (1892).—Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, **1**: 359 (1912) "lus."*Taxodium imbricarium* (Nutt.) Harper in Bull. Torrey Bot. Club, **29**: 383 (1902).*Taxodium distichum erectifrons* Schelle ex Beissner in Mitt. Deutsch. Dendr. Ges. **1907**(16): 109, fig. [1908].*Taxodium distichum* lus. *microphyllum* Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, **1**: 359 (1912).**T. ascendens f. nutans** (Ait.) Rehder in Jour. Arnold Arb. **7**: 22 (1926); Man. Cult. Trees Shrubs, 25 (1927) "var."*Cupressus disticha β. nutans* Aiton, Hort. Kew. **3**: 372 (1789).*Cupressus disticha β. pendula* John Miller, Bristol. Nurs. 7 (1826), nom.*Taxodium distichum β. nutans* Sweet, Hort. Brit. 327 (1827).*Schubertia disticha 2. pendula* H. K. ex Loudon, Hort. Brit. 388 (1830).*Taxodium sinense γ. pendulum* Forbes, Pinet. Woburn. 180 (1839).*Glyptostrobus pendulus* Endlicher, Syn. Conif. 71 (1847).*Taxodium distichum pendulum s. nutans*, Wenderoth, Pflanz. Bot. Gärt. i. Conif. 48 (1851), nom. altern.*Taxodium sinense* Noisette ex Gordon, Pinet. 309 (1858), non Forbes (1839).*Cupressipinnata disticha pendula* [Nelson], Pinac. 62 (1866).*Taxodium distichum pendulum* Carrière, Traité Conif. ed. 2, 182 (1867).—Voss, Vilmor. Blumengärt. **1**: 1236 (1896) "f."? *Taxodium mexicanum sinense* R. Smith, Pl. Fir Tribe, 43 [1874?].*Taxodium ascendens* var. *pendulum* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 274 (1913).**T. mucronatum** Tenore in Ann. Sci. Nat. Bot. ser. 3, **19**: 355 (1853).—Sargent, Silva N. Am. **10**: 150 (1896), sphalm. "*mucronulatum*."*Taxodium sinense* Tenore, Ind. Sem. H. R. N. ex Tenore, l. c. (1853), pro syn.; non Forbes (1839).



- Taxodium Montezumae* Decaisne in Bull. Soc. Bot. France, 1: 71 (1854), nom. subnud.
- Taxodium mexicanum* Carrière, Traité Conif. 147 (1855).
- Taxodium distichum* var. *mexicanum* Gordon, Pinet. 307 (1858).
- Cupressinata disticha mexicana* (Carr.) [Nelson], Pinac. 62, 187, 218 (1866).
- Taxodium distichum* var. *mucronatum* (Ten.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 175 (1906).
- GLYPTOSTROBUS** Endlicher, Syn. Conif. 69 (1847). — Pilger in Nat. Pflanzenfam. ed. 2, 13: 355 (1926).
- Thuja* sect. *Cyparissa* Lambert, Descr. Pinus, ed. 8° [2]: 129 (1832), p. p. quoad *T. pensilis*.
- TYPE: *Thuja pensilis* Staunt. = *G. pensilis* (Staunt.) K. Koch. (*G. heterophylla* [Brongn.] Endl.)
- G. pensilis** (Staunton) K. Koch, Dendr. 2, 2: 191 (1873).
- Thuja pensilis* Staunton, Auth. Account Embassy China, 2: 436 (1798). — Lambert, Descr. Pinus, ed. 2, 2: 115 (1828).
- Juniperus aquatica* Roxburgh Hort. Bengal. 73 (1814), nom. — Fl. Ind. [ed. 2], 3: 838 (1832), nom. subnud.
- Thuja lineata* Poiret, Encycl. Méth. Bot. Suppl. 5: 303 (1817).
- Taxodium japonicum* var. *heterophylla* Brongniart in Ann. Sci. Nat. 30: 184 (1833).
- Taxodium heterophyllum* Brongniart, l. c. (1833), pro syn.
- ?*Taxodium sinense* Noiset ex Loudon, Arb. Brit. 4: 2482 (1838), pro syn.
- Taxodium sinensis* Forbes, Pinet. Woburn. 179 (1839).
- Glyptostrobus heterophyllus* (Brongn.) Endlicher, Syn. Conif. 70 (1847).
- Glyptostrobus sinensis* Henry ex Loder in Gard. Chron. ser. 3, 66: 259, fig. 118 (1919).
- CRYPTOMERIA** D. Don in Trans. Linn. Soc. Lond. 18: 166 (1841). — Benthams & Hooker f., Gen. Pl. 3: 428 (1880).
- Abela Salisbury* in Jour. Sci. Arts, 2: 312 (1817), nom.
- TYPE: *Cupressus japonica* L. f. = *Cryptomeria japonica* (L. f.) D. Don.
- C. japonica** (L. f.) D. Don in Trans. Linn. Soc. Lond. 18: 167 (1841). — Wilson, Conif. Taxads Jap. 66, t. 48, 49 (1916).
- Cupressus japonica* Linnaeus f., Suppl. Pl. 421 (1781).
- Taxodium japonicum* Brongniart in Ann. Sci. Nat. 30: 183 (1833), exclud. var. *heterophylla*.
- Cryptomeria japonica* var. *japonica* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 129 (1906).
- C. japonica** var. *sinesis* Siebold in Siebold & Zuccarini, Fl. Jap. 2: 52 [1844].
- Cryptomeria Fortunei* Hooibrenk ex Otto & Dietrich in Allg. Gartenzeit. 21: 234 (1853).
- Cryptomeria japonica* var. *Fortunei* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 129 (1906).
- Cryptomeria japonica* sensu Léveillé, Fl. Kouy-Tchéou, 111 (1914), non D. Don (1841).
- Cupressus Mairei* Léveillé, Cat. Pl. Yun-Nan, 56 (1916).
- Cryptomeria Kawaii* Hayata in Bot. Mag. Tokyo, 31: 117, fig. (1917).
- Cryptomeria Mairei* (Lévl.) Nakai in Jour. Jap. Bot. 13: 395 (1937).
- C. japonica** f. *Lobbii* [Carr.] Beissner, Syst. Eintheil. Conif. 20 (1887) "(f.)." — Voss, Vilmor. Blumengärt. 1: 1235 (1896).
- Cryptomeria Lobbiana* F. v. B. in Allg. Gartenzeit. 21: 233 (1853).
- Cryptomeria japonica* var. *Lobbii* Carrière, Traité Conif. 154 (1855). — Kent, Veitch's Man. Conif. ed. 2, 264, pl. (1900) "var."
- Cryptomeria Lobbii* Hort. Angl. ex F. Schneider in Berlin. Allg. Gartenzeit. 1857: 37 (1857).
- C. japonica** f. *compacta* (Beissn.) Beissner, Syst. Eintheil. Conif. 20 (1887) "(f.)." — Voss, Vilmor. Blumengärt. 1: 1235 (1896).
- Cryptomeria japonica compacta* Hort. ex Beissner, Handb. Nadelh. 147 (1891). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 170, fig. (1913), "var."
- C. japonica** f. *pungens* [Carr.] Beissner, Syst. Eintheil. Conif. 20 (1887) "(f.)."
- Cryptomeria japonica pungens* Carrière, Traité Conif. ed. 2, 194 (1867). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 170, fig. (1913) "var."
- C. japonica** f. *araucarioides* [Henk. & Hochst.] Beissner, Syst. Eintheil. Conif. 20 (1887) "(f.)."
- Cryptomeria araucarioides* Henkel & Hochstetter, Syn. Nadelh. 269 (1865). — Jäger, Ziergeh. 198 (1865) "araucarioides." — Carrière, Traité Conif. ed. 2, 193 (1867) "araucarioides." — Vos, Bered. Woordenb. Heest. Conif. 153 (1867) "araucarioides."
- Cryptomeria japonica* var. *araucarioides* Siebold in Siebold & Zuccarini, Fl. Jap. 2: 52 (1870).
- C. japonica** f. *dacrydioides* (Carr.), grad. nov.
- Cryptomeria japonica dacrydioides* Carrière, Traité Conif. ed. 2, 193 (1867). — Koidzumi in Bot. Mag. Tokyo, 44: 97 (1930) "var. *dacryoides*."
- Cryptomeria dacryoides* Siebold in Siebold & Zuccarini, Fl. Jap. 2: 53 (1870).
- C. japonica** f. *spiralis* (Sieb.), grad. nov.
- Cryptomeria japonica* var. *spiralis* Siebold in Siebold & Zuccarini, Fl. Jap. 2: 52 (1870).
- Cryptomeria japonica* (f.) *spiraliter falcata* Hort. ex Beissner, Syst. Eintheil. Conif. 20 (1887).
- C. japonica** f. *nana* [Carr.] Beissner, Syst. Eintheil. Conif. 20 (1887) "(f.)."
- Cryptomeria japonica nana* Hort. ex Knight & Perry, Syn. Conif. 22 [1850], nom. — Carrière in Jacques & Herincq, Man. Pl. 4: 332 (1857). — Fortune ex Gordon, Pinet. 54 (1858). — Fortune ex Siebold in Siebold & Zuccarini, Fl. Jap. 2: 52 (1870) "var."
- Cryptomeria nana* Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 208 (1850), nom. subnud.
- C. japonica** f. *elegans* [Jakob-Makoy] Beissner, Syst. Eintheil. Conif. 20 (1887) "(f.)." — Voss in Putlitz & Meyer, Landlex. 2: 41 (1911).
- Cryptomeria elegans* Jakob-Makoy in Belg. Hort. 14: 356 (1864). — Veitch ex Henkel & Hochstetter, Syn. Nadelh. 269 (1865). — Keteleer in Rev. Hort. 1869: 156, fig. 38 (1869). — Siebold in Siebold & Zuccarini, Fl. Jap. 2: 54 (1870).
- Cryptomeria japonica elegans* [Nelson], Pinac. 60, 186 (1866), nom. — Masters in Jour. Linn. Soc. Lond. Bot. 18: 497 (1881) "var." — Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 234 (1897) "lus."
- CUNNINGHAMIA** R. Brown in P. P. King, Narr. Surv. Austral. 2 (Appx.): 564, in nota (1826). — L. C. Richard, Mém. Conif. 149 (1826). — Non Schreber (1789) [= *Maranea* Aubl.] — NOM. CONSERV. cf. Règl. Intern. Nom. Bot. 72, no. 31 (1906).
- Belis Salisbury* in Trans. Linn. Soc. Lond. 8: 315 (1807).

**Cunninghamia** (*continued*)

*Jacularia* Rafinesque in Gard. Mag. (London), 8: 247 (1832).

*Raxopitys* [Nelson], Pinac. 97 (1866).

Typus: *Pinus lanceolata* Lamb. = *C. lanceolata* Hook.

**C. lanceolata** Hooker in Bot. Mag. 54: t. 2743 (1827).—

Rehder & Wilson in Sargent, Pl. Wilson. 2: 50 (1914).

*Pinus Abies* sensu Loureiro, Fl. Cochinch. 579 (1790), syn. exclud.; non Linnaeus (1753).

*Pinus lanceolata* Lambert, Descr. Pinus, 1: 53, 2 t. (1803).

*Abies lanceolata* Poirer, Encycl. Méth. Bot. 6: 523 (1804).

*Belis jaculifolia* Salisbury in Trans. Linn. Soc. Lond. 8: 315 (1807).

*Cunninghamia sinensis* R. Brown ex L. C. Richard, Mém. Confif. 80, t. 18, fig. 3 (1826).—Patschke in Bot. Jahrb. 48: 672 (1913).

*Belis lanceolata* Sweet, Hort. Brit. ed. 2, 475 (1830).

*Raxopitys Cunninghamii* [Nelson], Pinac. 97 (1866).

*Cunninghamia chinensis* C. de Vos, Bered. Woordenb. Heest. Confif. 153 (1867).

*Araucaria lanceolata* Hort. ex Parlature in De Candolle, Prodr. 16, 2: 433 (1868), pro syn.

**C. Konishii** Hayata in Gard. Chron. ser. 3, 43: 194 (1908); in Jour. Linn. Soc. Lond. Bot. 35: 299, t. 23 (1908).

Subfam. III. CUPRESSOIDEAE Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 236 (1897).

*Coniferae* a. *Cupressinae* Agardh, Aphor. Bot. 212 (1825), exclud. *Taxodium*.

*Coniferae* sect. *Cupressineae* L. C. Richard, Comm. Bot. Confif. 10 (1826).

*Juniperaceae* Horaninov, Tetractys Nat. 22 (1843), nom. — J. H. Schaffner in Ohio Nat. 13: 106 (1913).

*Cupresseae* subfam. *Juniperinae* et *Cupresseae* Presl, Wseob. Rostlin. 2: 1425, 1427 (1846), exclud. *Taxodium*.

*Cupressineae* Endlicher, Syn. Confif. 3 (1847), *Taxodineae* exclud.

*Cupressaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 26 (1847), p. p. typ. — Ascherson, Fl. Prov. Brandenb. 884 (1864).—F. W. Neger, Nadelh. 24, 139 (Samml. Göschen, no. 355) (1907).—Pilger in Nat. Pflanzenfam. ed. 2, 13: 361 (1926).

*Coniferae* trib. II. *Abietineae* subtrib. IV. *Cupresseae* Parlature in De Candolle, Prodr. 16, 2: 366, 444 (1868).

*Taxocupressaceae* subfam. *Cupressoideae* Vierhapper in Abh. Zool.-Bot. Ges. Wien, 5, 4: 23 (1910).

*Juniperaceae*, *Cupressatae* et *Juniperatae* J. H. Schaffner in Ohio Nat. 13: 108 (1913).

*Cupressaceae* subfam. I. *Cupressoideae*, subfam. 2. *Callitroideae* Saxton in New Phytol. 12: 253 (1913).

*Cupressaceae* subfam. I. *Thujoideae*, subfam. II. *Cupressoidae*, subfam. III. *Juniperoideae* Pilger in Nat. Pflanzenfam. ed. 2, 13: 377, 391, 396 (1926).

**FITZROYA** Hooker f. ex Lindley in Jour. Hort. Soc. Lond. 6: 264 (1851).—Bentham & Hooker f., Gen. Pl. 3: 425 (1880).

Typus: *F. patagonica* Lindl. = *F. cupressoides* (Mol.) I. M. Johnston.

**F. cupressoides** (Molina) I. M. Johnston in Contrib. Gray Herb. n. ser. 70: 91 (1924).

*Pinus cupressoides* Molina, Sagg. Stor. Nat. Chile, 168 (1782).

*Fitzroya patagonica* Hooker f. ex Lindley in Jour. Hort. Soc. Lond. 6: 264 (1851).

**THUJOPSIS** Siebold & Zuccarini, Fl. Jap. 2: 32 (1842).—

Pilger in Nat. Pflanzenfam. ed. 2, 13: 384, fig. 202 (1926).

*Dolophyllum* Salisbury in Jour. Sci. Arts, 2: 313 (1817), nom.

*Platyclusus* Spach, Hist. Nat. Vég. Phan. 11: 337 (1842), p. p.

*Thuopsis* Endlicher, Syn. Confif. 53 (1847).

*Thuyopsis* Parlature in De Candolle, Prodr. 16, 2: 460 (1868).

*Thuja* 3. *Thuyopsis* (Sieb. & Zucc.) Bentham & Hooker f., Gen. Pl. 3: 427 (1880).

*Thyopsis* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 239 (1897).

*Thyopsis* Ascherson & Graebner, op. cit. ed. 2, 1: 371 (1912).

Typus: *Thuja dolabrata* L. f. = *Thujopsis dolabrata* (L. f.) Sieb. & Zucc.

**T. dolabrata** (L. f.) Siebold & Zuccarini, Fl. Jap. 2: 34, t. 119, 120 [1844].—Wilson, Confif. Taxads Jap. 71 (1916).

*Thuja dolabrata* Linnaeus f., Suppl. 420 (1781).—D. Don in Lambert, Descr. Pinus, ed. 2, 2: app. 2, t. 1 (1828) "*dolabrata*."

*Platyclusus dolabrata* Spach, Hist. Nat. Vég. Phan. 11: 337 (1842).

*Libocedrus Dolabrata* [Nelson], Pinac. 65 (1866).

*Thujopsis dolabrata* var. *australis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 202 (1907).

**T. dolabrata** f. *variegata* [Fortune] Beissner, Syst. Eintheil. Confif. 9 (1887) "(f.)"

*Thujopsis dolabrata variegata* [Fortune] ex Gard. Chron. 1861: 735 (1861).—[Otto] in Hamburg. Gart.- & Blumenzeit. 17: 465 (1861).—Fortune ex Gordon, Pinet. Suppl. 100 (1862).—Masters in Jour. Linn. Soc. Lond. Bot. 18: 486 (1881) "var."

**T. dolabrata** f. *nana* [Endl.] Beissner, Syst. Eintheil. Confif. 9 (1887) "(f.)"

*Thujopsis dolabrata* β. *nana* Endlicher, Syn. Confif. 54 (1847).—Siebold & Zuccarini ex Masters in Jour. Linn. Soc. Lond. Bot. 18: 486 (1881) "var."

*Thujopsis laetevirens* Lindley in Gard. Chron. 1862: 428 (1862).

*Libocedrus dolabrata laetovirens* [Nelson], Pinac. 198 (1866).

*Thujopsis dolabrata* var. *laete-virens* (Lindl.) Masters in Jour. Linn. Soc. Lond. Bot. 18: 486 (1881).—Kent, Veitch's Man. Confif. 266 (1881) "*laetivirens*."

*Thuja dolabrata* var. *nana* (Carr.) Hornibrook, Dwarf Confif. 245 (1939).

**T. dolabrata** var. *Hondai* Makino in Bot. Mag. Tokyo, 15: 104 (1901).—Wilson, Confif. Taxads Jap. 72, t. 50, 51 (1916).

*Thujopsis Hondai* (Mak.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 202 (1907).

**THUJA** Linnaeus, Sp. Pl. 1002 (1753).—Bentham & Hooker f., Gen. Pl. 3: 426 (1880), sect. 3 et 5 exclud.

*Thuja* Linnaeus, Gen. Pl. 435, no. 957 (1754).

*Thuia* Scopoli, Introd. Hist. Nat. 353 (1777).—Endlicher, Syn. Confif. 50 (1847).

*Thyia* Ascherson, Fl. Prov. Brandenb. 1: 886 (1864).

*Thya* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 239 (1897).

LECTOTYPUS: *T. occidentalis* L.

Subg. I. EUTHUJA [Benth. & Hook.] Engler in Nat. Pflanzenfam. Nachtr. 25 (1897).

- Thuja* sect. *Thujae verae* D. Don in Lambert, Descr. Pinus. ed. 8° [2]: 128 (1832).—Loudon, Arb. Brit. 4: 2454 (1838).
- Thuja* 1. *Euthuja* Benth. & Hooker, Gen. Pl. 3: 427 (1880).
- Thuja* 2. *Macrothuja* Benth. & Hooker, l. c. (1880).
- Thuja* sect. *Euthuja* Eichler in Nat. Pflanzenfam. II, 1: 97 (1889).
- Thuja* subgen. *Euthuja* sect. I. *Microthuja* Engler in Nat. Pflanzenfam. Nachtr. 25 (1897).
- Thuja* subgen. *Euthuja* sect. II. *Macrothuja* Engler, l. c. (1897).
- T. occidentalis** Linnaeus, Sp. Pl. 1002 (1753).—Sargent, Silva N. Am. 10: 126, t. 532 (1896).
- Thuja obtusa* Moench, Meth. Pl. 691 (1794).
- Thuja procera* Salisbury, Prodr. Stirp. Chap. Allert. 398 (1796).
- Cupressus arborvitae* A. Targioni-Tozzetti in Ann. Mus. Fis. Stor. Nat. Firenze, 2, 2: 71 (Obs. Bot. Dec. III-V) (1810).
- Thuja Theophrasti* C. Bauhin ex Nieuwland in Am. Midland. Nat. 2: 284 (1912).
- T. occidentalis f. gaspensis** Victorin & Rousseau in Contrib. Inst. Bot. Univ. Montreal, 36: 11, fig. 2 (1940).
- T. occidentalis f. alba** [Gord.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 284 (1913) "var. *variegata* f."
- Thuja occidentalis alba* Maxwell ex Gordon, Pinet. ed. 2, 431 (1875).
- Thuja occidentalis albo-spica* Hort. ex Beissner, Handb. Nadelh. 44 (1891).
- Thuja occidentalis albo-spicata* Beissner in Mitt. Deutsch. Dendr. Ges. 1903(12): 50 (1903).
- T. occidentalis f. variegata** (West.), grad. nov.
- Thuja occidentalis* 2. *variegata* Weston, Bot. Univ. 1: 294 (1770).
- Thuja occidentalis argentea* Carrière, Traité Conif. 103 (1855).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 284 (1913) "var. *variegata* f. a."
- Thuja occidentalis variegata argentea* Carrière in Jacques & Herincq, Man. Pl. 4: 323 (1857).
- Thuja occidentalis albo-variegata*, Sénéclauze, Conif. 192 (1868).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 284 (1913) "f."; pro syn.
- T. occidentalis "Columbia"** Parsons & Sons, Descr. Cat. Trees, p. 70 [1887?].
- Thuja occidentalis* var. *Columbia* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1802 (1902).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 284 (1913) "*Thuja occ.* var. *variegata* f."
- T. occidentalis f. Vervaeneana** [Gord.] Beissner, Syst. Eintheil. Conif. 8 (1887).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 283 (1913) "var. *aurea* f."
- Thuja occidentalis Vervaeneana* Gordon, Pinet. ed. 2, 406 (1875).
- Thuja Vervaeneana* Van-Geert ex Gordon, l. c. (1875), pro syn.
- T. occidentalis f. aureo-variegata** (Henk. & Hochst.) Beissner, Handb. Conif.-Ben. 30 (1887) "(f.)"
- Thuja occidentalis aureo-variegata* Hort. ex Henkel & Hochstetter, Syn. Nadelh. 279 (1865).
- Thuja occidentalis* var. *Wareana aurea* Kent, Veitch's Man. Conif. ed. 2, 247 (1900).
- Thuja occidentalis* var. *plicata aurea* [hort.] ex Kent, l. c. (1900), pro syn.
- Thuja occidentalis Wareana aureo-variegata* Schelle, Winterh. Nadelh. 276 (1909).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *W. f. a.*".
- T. occidentalis f. lutescens** (Beissn.) Schneider, l. c. (1913) "var. *Wareana* f."
- Thuja occidentalis Wareana lutescens* Hesse ex Beissner, Handb. Nadelh. 40 (1891).
- Thuja occidentalis* var. *lutescens* Masters in Jour. Hort. Soc. Lond. 14: 252 (1892).
- T. occidentalis f. aurea** (Nels.) Beissner, Syst. Eintheil. Conif. 8 (1887) "(f.)"
- ?*Thuja occidentalis* (var.) *variegata* Carrière, Traité Conif. 103 (1855), non Weston (1770).
- Thuja occidentalis variegata aurea* Carrière in Jacques & Herincq, Man. Pl. 4: 323 (1857).
- Thuja occidentalis aurea* [Nelson], Pinac. 68 (1866).—Maxwell ex Gordon, Pinet. ed. 2, 431 (1875).—(Nichols.) Rehder in Bailey, Cycl. Am. Hort. [4]: 1802 (1902) "var."
- T. occidentalis f. semperaurea** (Rehd.), grad. nov.
- Thuja occidentalis* var. *semperaurea* Hort. ex Rehder in Bailey, Cult. Evergr. 223 (1923).
- T. occidentalis f. lutea** (Veitch) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 283 (1913) "var. *aurea* f. l."
- Thuja occidentalis lutea* Veitch, Man. Conif. 262 (1881).—Rehder, Man. Cult. Trees Shrubs, 21 (1927) "var."—Fitschen in Beissner, Handb. Nadelh. ed. 3, 480 (1930) "var."
- Thuja occidentalis* "George Peabody" Hort. am. ex Veitch, l. c. (1881), pro syn.
- Thuja occidentalis elegantissima* hort. ex Rehder in Bailey, Stand. Cycl. Hort. 6: 3336 (1917), pro syn.
- T. occidentalis f. robusta** (Carr.), grad. nov.
- Thuja occidentalis robusta* Carrière, Traité Conif. 104 (1855).
- Thuja occidentalis densa* Gordon, Pinet. Suppl. 103 (1862).
- Thuja caucasica* Hort. ex Gordon, Pinet. Suppl. 103 (1862).
- Thuja siberica Wareana* [Nelson], Pinac. 223 (1866).
- Thuja occidentalis* var. *sibirica* Hoopes, Book Evergr. 320, fig. 42 (1868).
- Thuja occidentalis Wareana* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 698 (1875).—(Beiss.) Voss, Vilmor. Blumengärt. 1: 1226 (1896) "f."
- Thuja occidentalis tatarica* Hort. ex Freudenberg, Bekannt. Kult. Nadelh. 8 (1886).
- T. occidentalis f. Riversii** (Beiss.) Lipa, Dendrofl. U. R. S. R. 1: 139 (1939).
- Thuja occidentalis Riversii* Hort. ex Beissner, Handb. Nadelh. 41 (1891).
- T. occidentalis f. viridis** (Beiss.), grad. nov.
- Thuja occidentalis viridis* Hort. ex Beissner, Handb. Nadelh. 41 (1891).
- Thuja occidentalis* var. *erecta viridis* [Masters in] Kew Hand-list Conif. 49 (1896), nom.—Nicholson, Ill. Dict. Gard. Cent. Suppl. 701 (1900).
- Thuja occidentalis Vervaeneana viridis* Schelle, Winterh. Nadelh. Mitteleur. 276 (1909).
- T. occidentalis f. Rosenthalii** (Beiss.) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913), "var. *pyramidalis* f."
- Thuja occidentalis Rosenthalii* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 500 (1884).

**Thuja** (continued)

- T. occidentalis "Douglasii pyramidalis"** Spaeth, Preis-Verzeichn. no. 89 (1891-2): 51 (1891).—Beissner, Handb. Nadelh., ed. 2, 509 (1909).
- T. occidentalis f. filicoides** [Beiss.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *filiformis* f."
- Thuja occidentalis filicoides* Beissner, Handb. Nadelh. 43 (1891).
- T. occidentalis f. magnifica** (Beiss.), grad. nov.
- Thuja occidentalis magnifica* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 500 (1884).
- Thuja occidentalis Theodonensis* Beissner, l. c. (1884), pro syn.; Syst. Eintheil. Conif. 8 (1887) "(f.)", nom.; Hort. ex Beissner, Handb. Nadelh. 41 (1891).
- Thuja Theodonensis* Beissner, Syst. Eintheil. Conif. 8 (1887), pro. syn.
- T. occidentalis f. compacta** (Carr.), grad. nov.
- Thuja occidentalis compacta* Carrière, Traité Conif. 104 (1855).
- Thuja sibirica compacta* Knight & Perry, Syn. Conif. 16 (1850), nom.—[Nelson], Pinac. 223 (1866).
- Thuja tatarica compacta* Nicholson, Ill. Dict. Gard. 4: 605 (1889).
- Thuja occidentalis pyramidalis compacta* Hort. gall. ex Schelle, Winterh. Nadelh. Mitteleur. 277 (1909).
- T. occidentalis f. Buchananii** (Späth), grad. nov.
- Thuja occidentalis Buchananii* Parsons & Sons, Descr. Cat. Trees, n. ed., 70 (1887?), nom. subnud.—[Masters in] Kew Hand-list Conif. ed. 2, 47 (1903), nom.
- Thuja occidentalis Buchananii* Arnold Arb. ex Späth, Preis-Verzeichn. no. 89: 7 (1891); Späth, Späth-Buch, 253 (1921).—Beissner, Handb. Nadelh. ed. 2, 506 (1909) "*Buchononii*."
- T. occidentalis f. fastigiata** [Jäg.] Beissner, Syst. Eintheil. Conif. 8 (1887) "(f.)"—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *pyramidalis* f."
- Thuja occidentalis fastigiata* Jäger, Ziergeh. 537 (1865).
- Thuja occidentalis stricta* C. de Vos, Bered. Woordenb. Heest. Conif. 195 (1867).—Masters in Jour. Hort. Soc. Lond. 14: 252 (1892) "var."
- Thuja occidentalis* var. *columnaris* Masters in Jour. Hort. Soc. Lond. 14: 252 (1892), nom.
- Thuja occidentalis* var. *pyramidalis* Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1943 (1907), p. p.; non *T. o. Douglasii pyramidalis* Spaeth (1891).
- Thuja occidentalis f. stricta* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913), pro syn.
- Thuja occidentalis f. columnaris* Schneider, l. c. (1913), pro syn.
- Thuja occidentalis f. maloryana* Schneider, l. c., fig. 293 (1913).
- T. occidentalis f. Mastersii** Rehder in Jour. Arnold Arb. 20: 87 (1939).
- Thuja plicata* Endlicher, Syn. Conif. 51 (1847), p. p.—Sensu Beissner, Handb. Nadelh. 44 (1891) "*Thuja*".—Non D. Don (1824).
- Thuja occidentalis plicata* Wells in Proc. Hort. Soc. Lond. 3: 303 (1865), nom.
- Thuja occidentalis* var. *plicata* Masters in Gard. Chron. ser 3, 21: 258, fig. 86 (1897), non Hoopes (1868).
- T. occidentalis f. globosa** [Gord.] Beissner, Syst. Eintheil. Conif. 8 (1887) "(f.)"—Voss, Vilmor. Blumen-gärt., ed. 3, 1: 1226 (1896).
- Thuja occidentalis globosa* Hort. ex Gordon, Pinet. ed. 2, 405 (1875).
- Thuja occidentalis* (f.) *Spahlmanni* Beissner, Syst. Eintheil. Conif. 8 (1887), nom.; Handb. Nadelh. 43 (1891).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "*nana* f. S.", pro syn.
- Thuja occidentalis globosa Spielmanni* Hort. ex Fitschen in Beissner, Handb. Nadelh. ed. 3, 483 (1930), pro syn.
- Thuja occidentalis* (f.) *Froebeli* Beissner, Syst. Eintheil. Conif. 8 (1887), nom.; Handb. Nadelh. 43 (1891).
- Thuja plicata compacta* Beissner, Handb. Nadelh. 45 (1891), non Carrière (1855).
- Thuja occidentalis nana compacta* Gaeta in Bull. Tosc. Soc.ortic. 17: 86 (1892), nom.—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *nana* f. c."
- Thuja occidentalis* var. *nana* f. *globosa* Schneider, l. c. (1913).
- Thuja occidentalis* "Tom Thumb" Hort. ex Fitschen in Beissner, Handb. Nadelh. ed. 3, 483 (1930), pro syn.
- T. occidentalis f. Woodwardii** (Späth), grad. nov.
- [*Arbor Vitae Woodwardii* Manning, [Cat.] 1874: 2 (1874)].
- Thuja occidentalis* var. *Woodwardii* Späth, Preis-Verzeichn. no. 89 (1891-2): 51 (1891) "*Woodwardii*".—Rehder in Bailey, Cycl. Am. Hort. [4]: 1803 (1902).
- T. occidentalis f. Hoveyi** [Hoopes] Beissner, Syst. Eintheil. Conif. 8 (1887) "(f.)"—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "*nana* f. H."
- Thuja Hoveyi* [Hovey] in Mag. Hort. Bot. (Hovey) 25: 472 (1859), nom.
- Thuja occidentalis Hoveyi* Hoopes, Book Evergr. 322 (1868).
- T. occidentalis f. pumila** [Otto], grad. nov.
- Thuja occidentalis pumila* Hort. [ex Otto] in Hamburg. Gart. = & Blumenzeit. 23: 162 (1867).—Beissner in Jäger & Beissner, Ziergeh. ed. 2, 500 (1884) "var."
- Thuja occidentalis* "Little Gem" Hort. ex Beissner, Nadelh. 44 (1891).—Hornibrook, Dwarf Conif. ed. 2, 252 (1939).
- T. occidentalis f. umbraculifera** [Beiss.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281, fig. 292 (1913), "var. *nana* f. u."; sub fig.: var. *umbraculifera*.
- Thuja occidentalis* var. *umbraculifera* Beissner in Möller's Deutsch. Gärt.-Zeit. 6: 179 (1891).
- T. occidentalis f. pendula** (Gord.) Beissner, Syst. Eintheil. Conif. 8 (1887) "(f.)"
- Thuja occidentalis pendula* Gordon, Pinet. Suppl. 103 (1862).—Siesmeyer in Möller's Deutsch. Gärt.-Zeit. 16: 164, fig. (1901).
- Thuja sibirica pendula* [Nelson], Pinac. 68 (1866).
- Thuja plicata pendula* Hort. ex Gordon, Pinet. ed. 2, 431 (1875).
- T. occidentalis f. filiformis** (Beiss.), grad. nov.
- Thuja occidentalis* var. *Douglasii* Hort. ex Rehder in Möller's Deutsch. Gärt.-Zeit. 16: 357, fig. (1901), non *Th. occ. "Douglasii pyramidalis"* Späth (1891).
- Thuja occidentalis* var. *filiformis* Beissner in Mitt. Deutsch. Dendr. Ges. 1901(10): 81 (1901).—Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1943 (1907), p. p.
- Thuja occidentalis* var. *filiformis* f. *Douglasii* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913).

- T. occidentalis f. Ohlendorffii** Beissner, Handb. Conif.-Ben. 28 (1887) "(f.) *Ohlendorfi*".—Voss, Vilmor. Blumengärt. ed. 3, 1: 1226 (1896).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *filiformis* f.".—Hornibrook, Dwarf Conif., ed. 2, 249, fig. (opp. p. 147) (1939) "var."
- Thuja occidentalis Spaethii* P. Smith & Co. ex Späth, Preis-Verzeichn. no. 79: 12, fig. (1890).—Beissner, Handb. Nadelh. 39 (1891).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *filiformis* f. S."
- Thuja Späthi* P. Smith & Co. ex Schober, Pinet. Schober. 11 (1892), nom.
- T. occidentalis f. cristata** [Carr.] Schneider in op. cit. 282 (1913) "var. *crista* f."
- Thuja occidentalis cristata* Hort. ex Carrière, Traité Conif. ed. 2, 111 (1867).
- T. occidentalis f. ericoides** [Laws.] Beissner, Syst. Eintheil. Conif. 6 (1887) "(f.)"—Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 240 (1897).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913) "var. *squarrosa* f. e."
- Retinospora dubia* Carrière, Traité Conif. ed. 2, 141 (1867); in Rev. Hort. 1874: 195, fig. 25 (1874).
- Thuja ericoides* Hort. ex Carrière, l. c. (1867), pro syn.
- Thuja Japonica* Hort. ex Carrière, l. c. (1867), pro syn.; non Maximowicz (1866).
- Thuja Devriesiana* Hort. Germ. ex Carrière, l. c. (1867), pro syn.
- Biota ericoides* Hort. ex Carrière, l. c. (1867), pro syn.—C. de Vos, Handb. Prakt. Kenn. Boom. Heest. ed. 2, 263 (1887).
- Thuja occidentalis ericoides* Lawson in Ill. Farmer & Gard. Alman. 1867: 102, fig. (1867).—R. Brown (Campst.) in Trans. Soc. Bot. Edinb. 9: 366 (1868).—?Hoopes, Book Evergr. 323, fig. 43 (1868) "var."
- Thuja occidentalis* var. "Tom Thumb" Ellwanger & Barry ex Hoopes, l. c. (1868).
- Cupressus squarrosa* var. *dubia* (Carr.) Lavallée, Arb. Segrez. 281 (1877).
- Retinospora squarrosa dubia* Kent, Veitch's Man. Conif. 250 (1881).
- Retinospora ericoides* Syme in Garden, 33: 417 (1888), non Gordon (1862).
- Cupressus pisifera squarrosa dubia* Webster, Hardy Conif. 46 (1896).
- Chamaecyparis squarrosa dubia* (Carr.) Mouillefert, Traité Arb. Arbriss. 2: 1345 (1898).
- T. occidentalis f. Ellwangeriana** [Carr.] Beissner, Syst. Eintheil. Conif. 6 (1887) "(f.)"
- Retinospora Ellwangeriana* Carrière in Rev. Hort. 1869: 349, fig. 74 (1869).
- Cupressus squarrosa* var. *Ellwangeriana* (Barry) Lavallée, Arb. Segrez. 282 (1877), nom.
- Thuja occidentalis Ellwangeriana* Kent, Veitch's Man. Conif. 262 (1881) "*Ellwangeriana*".—Hochstetter, Conif. Nadelh. 74 (1882) "var.".—Beissner, Handb. Nadelh. 38, fig. (1891).
- Biota Ellwangeriana* C. de Vos, Handb. Prakt. Kenn. Boom. Heest. ed. 2, 263 (1887), exclud. syn.
- T. occidentalis "Ellwangeriana aurea"** Späth, Preis-Verzeichn. (1895); in Mitt. Deutsch. Dendr. Ges. 1896(5): 28 (1896).
- T. plicata** D. Don in Lambert, Descr. Pinus, 2: 19 (1824).—Sargent, Man. Trees N. Am. 75, fig. 67a (1905).
- Thuja plicata* Donn, Cat. Hort. Cantab. ed. 4, 211 (1807), nom.
- Thuja gigantea* Nuttall in Jour. Acad. Nat. Sci. Philad. 7: 52 (1834).—Sargent, Silva N. Am. 10: 129, t. 533 (1896).
- Thuja Menziesii* Douglas ex Endlicher, Syn. Conif. 52 (1847).
- Thuja Lobbii* Hort. ex Gordon, Pinet. 323 (1858), pro syn.
- Thuja occidentalis* var. *plicata* (Don) Loudon ex Hoopes, Book Evergr. 321 (1868).
- Thuja gigantea* (α) var. *plicata* (Don) R. Brown (Campst.) in Trans. Bot. Soc. Edinb. 9: 371 (1868).
- T. plicata f. atrovirens** (Gord.) Lipa, Dendrofl. U. R. S. R. 1: 142 (1939).
- Thuja gigantea atrovirens* Hort. ex Gordon, Pinet. ed. 2, 430 (1875).
- Thuja Lobbii atrovirens* R. Smith, Pl. Fir Tribe, 45 (1874?).
- Thuja plicata atrovirens* (Gord.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 71 (Nomencl. Arb. Fl. U. S.) (1897).
- T. plicata f. fastigiata** (Carr.) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 285 (1913) "var. *pyramidalis* f."
- Thuja Menziesii fastigiata* Carrière, Traité Conif. ed. 2, 107 (1867).
- Thuja Lobbii fastigiata* Sénéclauze, Conif. 192 (1868).
- Thuja plicata* var. *fastigiata* [Masters in] Kew Handlist Conif. ed. 2, 51 (1903), nom.
- Thuja plicata* var. *pyramidalis* [Masters], l. c. 53 (1903), nom.—Bean, Trees Shrubs Brit. Isles, 2: 589 (1914).
- Thuja gigantea* var. *pyramidalis* Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, 116: 1943 (1907).—Bean in Gard. Chron. ser. 3, 41: 200, fig. 89 (1907).
- T. plicata f. pendula** (Beiss.), grad. nov.
- Thuja gigantea* var. *pendula* [Masters in] Kew Handlist Conif. 49 (1896), nom.—Beissner in Mitt. Deutsch. Dendr. Ges. 1902(11): 74 (1902) "*T. g. p.*"
- Thuja plicata penduliformis* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 73 (Nomencl. Arb. Fl. U. S.) (1897), nom.
- T. Standishii** (Gord.) Carrière, Traité Conif. ed. 2, 108 (1867).—Wilson, Conif. Taxads Jap. 74, t. 52, 53 (1916).
- Thuopsis ? Standishii* Gordon, Pinet. Suppl. 100 (1862).
- Thuja japonica* Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 10: 490 (in Mém. Biol. 6: 26) (1866).
- Thuja gigantea* sensu Parlatore in De Candolle, Prodr. 162: 457 (1868), p. p. quoad pl. jap.; non Nuttall (1834).
- Thuja gigantea* var. *Japonica* (Maxim.) Franchet & Savatier, Enum. Pl. Jap. 1: 469 (1875).
- T. koraiensis** Nakai in Bot. Mag. Tokyo, 33: 196 (1919).
- Subgen. II. BIOTA (Endl.) Engler in Nat. Pflanzenfam. Nachtr. 25 (1897).
- Thuja* sect. *Biota* Lambert, Descr. Pinus, ed. 8°, 2: 129 (1832).—Endlicher, Syn. Conif. 46 (1847).—Bentham & Hooker f., Gen. Pl. 3: 427 (1880) "*Thuja* 4. B."—Eichler in Nat. Pflanzenfam. II. 1: 98 (1889) "*Thuja* sect. II. B."
- Thuja* sect. *Cyparissa* Lambert, l. c. (1832), p. p. quoad *T. pendula*.
- Platycladus* Spach, Hist. Nat. Vég. Phan. 11: 333 (1842), exclud. sp. nonnull.
- Biota* Don ex Endlicher, Syn. Conif. 46 (1847).

**Thuja** (*continued*)

- T. orientalis** Linnaeus, Sp. Pl. 1002 (1753).—Rehder & Wilson in Sargent, Pl. Wilson, 2: 53 (1914).  
*Thuja acuta* Moench, Meth. Pl. 692 (1794).  
*Thuja decora* Salisbury, Prodr. Stirp. Chap. Allert. 398 (1796).  
*Cupressus Thuja* O. Targioni-Tozzetti in Ann. Mus. Fis. Stor. Nat. Firenze, 2: 72, t. 9, fig. 1–22 (Obs. Bot. III–V) (1810).  
*Platycladus stricta* Spach, Hist. Nat. Vég. Phan. 11: 335 (1842).  
*Biota orientalis* Endlicher, Syn. Conif. 47 (1847).—Komarov, Fl. S. S. R. 1: 192, t. 7, fig. 17 (1934).  
*Thuja orientalis* var. *orientalis* Masters in Jour. Hort. Soc. Lond. 14: 253 (1892).  
*Biota orientalis* a) *normalis* Voss, Vilmor. Blumengärt. 1: 1226 (1896).
- T. orientalis f. elegantissima** [Gord.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 286, t. 11 “var. e” (1913) “var. aurea f.”  
*Biota orientalis elegantissima* Rollisson ex Gordon, Pinet. Suppl. 17 (1862).—Voss, Vilmor. Blumengärt. 1: 1226 (1896) “f.”  
*Thuja orientalis elegantissima* Vos, Bered. Woordenb. Heest. Conif. 197 (1867).—Masters in Jour. Hort. Soc. Lond. 14: 253 (1892) “var.”  
*Biota orientalis* var. *aurea elegantissima* Hort. ex Hartwig & Rümpler, Bäum. Sträuch. 651 (1875).
- T. orientalis f. beverleyensis** (Rehd.) grad. nov.  
*Thuja orientalis* var. *beverleyensis* Rehder in Bailey, Stand. Cycl. Hort. 6: 3337 (1917).  
*Thuja beverleyensis* Hort. ex Rehder, l. c. (1917), pro syn.
- T. orientalis f. conspicua** (Rehd.) grad. nov.  
*Thuja orientalis* var. *aurea conspicua* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4:] 1804 (1902).—Berckmans, Cat. 1915–16: 54, fig. (1915).  
*Thuja orientalis* var. *conspicua* Berckmans ex Rehder, Man. Cult. Trees Shrubs, 23 (1927).
- T. orientalis f. aurea** (Carr.) grad. nov.  
*Biota orientalis aurea* Knight & Perry, Syn. Conif. 15 (1850), nom.—Carrière in Jacques & Herincq, Man. Pl. 4: 321 (1857).—Hoopes, Book Evergr. 332, fig. 48 (1868) “var.”—(Dauv.) Hort. ex Lipa, Dendrofl. U. R. S. R. 1: 145 (1939) “f.”  
*Biota orientalis variegata aurea* Carrière, Traité Conif. 94 (1855).  
*Thuja aurea* Rinz in Gartenfl. 6: 335 (1857).  
*Thuja orientalis aurea* Dauvesse in Gard. Chron. 1864: 579 (1864).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 286 (1913) “var.”
- T. orientalis f. sempaurescens** [Gord.] Schneider, l. c. (1913) “var. aurea f.”  
*Biota orientalis sempaurescens* Lemoine ex Gordon, Pinet. ed. 2, 422 (1875).—(Beiss.) Voss, Vilmor. Blumengärt. 1: 1226 (1896) “f.”  
*Thuja orientalis sempaurescens* Nicholson, Ill. Dict. Gard. 4: 34 (1889).—Masters in Jour. Hort. Soc. Lond. 14: 253 (1892) “var.”
- T. orientalis f. Sieboldii** (Endl.) grad. nov.  
*Biota orientalis* §. *Sieboldii* Endlicher, Syn. Conif. 47 (1847).  
*Thuja orientalis* var. *Sieboldii* (Endl.) Lawson, List Pl. Fir Tribe, 55 (1851).

- Biota orientalis* b. *nana* Carrière, Traité Conif. 93 (1855).  
*Biota japonica* Sieb. ex Gordon, Pinet. 33 (1858), pro syn.  
*Thuja orientalis* var. *compacta* Courtaïn, Fam. Conif. 105 (1858).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 286 (1913) “var. nana f. c.”  
*Biota Fortunei* Hort. ex Carrière, Traité Conif. ed. 2, 94 (1867), pro syn.  
*Biota orientalis* var. *japonica* Siebold ex Kent, Veitch's Man. Conif. 253 (1881).  
*Thuja orientalis* var. *japonica* Masters in Jour. Hort. Soc. Lond. 14: 253 (1892).  
*Biota orientalis* f. *compacta* (Beiss.) Voss, Vilmor. Blumengärt. 1: 1226 (1896).  
*Thuja orientalis* var. *nana* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 286 (1913).—Fitschen in Beissner, Handl. Nadelh. ed. 3, 501 (1930).
- T. orientalis f. stricta** (J. Mill.) grad. nov.  
*Thuja pyramidalis* Tenore, Fl. Neapol. Prodr. App. 4: 36 (1823); in Atti Accad. Sci. Napoli, 3 (Mem. Cl. Fis. Stor. Nat.): 35, t. 2 (1832) “*pyramidalis*” (p. 33).  
*Thuja pyramidalis* β. *stricta* John Miller, Bristol Nurs. 14 (1826) [Nurs. Cat.]  
*Thuja Australis* hort. ex Tenore in op. cit. 33 (1832), pro syn.; non Poiret (1817).  
*Thuja orientalis* var. 2. *stricta* Loudon, Arb. Brit. 4: 2459; 8: t. 78B (1838).  
*Thuja orientalis* 3. *tatarica* (Lodd.) Loudon, op. cit. 2459 (1838).  
*Thuja tatarica* Loddiges, Cat. ed. 1836 ex Loudon, l. c. (1838), pro syn.  
*Biota orientalis* a. *stricta* Endlicher, Syn. Conif. 47 (1847).  
*Biota orientalis* β. *pyramidalis* Endlicher, l. c. (1847).—Berkowski in Gartenwelt, 19: 262, fig. (1915).—Lipa, Dendrofl. U. R. S. R. 1: 144 (1939) “f.”  
*Biota orientalis* δ. *tatarica* Endlicher, l. c. (1847).  
*Thuja orientalis* var. *pyramidalis* (Endl.) Lawson, List Pl. Fir Tribe, 55 (1851).
- Th. orientalis f. flagelliformis** (Jacques) grad. nov.  
*Thuja pendula* D. Don in Lambert, Descr. Pinus, 2: 115, no. 52, t. (1824).  
*Thuja orientalis flagelliformis* Jacques, Monog. Conif. 25 (1837).  
*Thuja filiformis* (Loddiges) Lindley in Bot. Reg. 1842 [28]: t. 20 (1842).—Smith, Pl. Fir Tribe, 8 (1874?).  
*Thuja flagelliformis* Knight & Perry, Syn. Conif. 16 (1850), nom.  
*Cupressus pendula* Wenderoth, Pflanz. Bot. Gärt. i. Conif. 64 (1851).  
*Biota pendula* Carrière, Traité Conif. 98 (1855).  
*Biota orientalis filiformis* (Lodd.) Henkel & Hochstetter, Syn. Nadelh. 272 (1865).—Voss, Vilmor. Blumengärt. 1: 1226 (1896) “f.”  
*Biota orientalis pendula* [Nelson], Pinac. 64 (1866).—Carrière, Traité Conif. ed. 2, 100 (1867).  
*Biota orientalis* var. *flagelliformis* [Jacques] Hoopes, Book Evergr. 334, fig. 49 (1868).
- T. orientalis f. juniperoides** (Carr.) Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 241 (1897) “*Thya*.”  
*Thuja juniperoides* Knight & Perry, Syn. Conif. 16 (1850), nom.  
*Retinospora juniperoides* Carrière, Traité Conif. ed. 2, 140 (1867); in Rev. Hort. 1874: 194, fig. 26 (1874).  
*Cupressus squarrosa* var. *juniperoides* (Carr.) Lavallée, Arb. Segrez. 282 (1877).  
*Biota orientalis* var. *decussata* Beissner & Hochstetter in

- Hochstetter, Conif. 76 (1882).—Beissner, Syst. Eintheil. Conif. 10 (1887) "(f.)"; Handb. Nadelh. 58, fig. 11, 1-2 (1891).
- ?*Biota ericoides* C. de Vos, Handb. Boom. Heest. 263 (1885), vix Carrière (1867).
- Thuja orientalis* var. *decussata* Masters in Jour. Hort. Soc. Lond. 14: 253 (1892).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 54 (1940).
- Chamaecyparis squarrosa juniperoides* (Carr.) Hort. ex Mouillefert, Traité Arb. Arbriss. 2: 1345 (1898).
- T. orientalis f. mieldensis** (Laws.), grad. nov.  
*Thuja hybrida* Knight & Perry, Syn. Conif. 16 (1850), nom.  
*Biota mieldensis* Lawson ex Gordon, Pinet. 37 (1858).  
*Biota orientalis mieldensis* Hort. ex Henkel & Hochstetter, Syn. Nadelh. 275 (1865).—Beissner, Handb. Nadelh. 58, fig. 11, 3-4 (1891).
- Thuja orientalis* var. *mieldensis* Masters in Jour. Hort. Soc. Lond. 14: 253 (1892).
- ?**Microbiota decussata** Komarov in Notul. Syst. Herb. Hort. Bot. Petrop. 4: 180, fig. (1923); Fl. S. S. S. R. 1: 193, t. 7, fig. 22, t. 8, fig. 3 (1934).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 55 (1940).
- LIBOCEDRUS** Endlicher, Syn. Conif. 42 (1847).—Bentham & Hooker f., 3: 426 (1880).  
*Heyderia* K. Koch, Dendr. 2, 2: 177 (1873).  
 TYPE: *L. decurrens* Torr.
- L. decurrens** Torrey in Smithson. Inst. Contrib. Knowl. 6, 1: 7 (Pl. Fremont. 1853, Apr.) (1854).—Sargent, Silva N. Am. 10: 135, t. 534 (1896).  
*Thuja Craigiana* A. Murray, Bot. Exp. Oregon, 2 (Oct. 1854).  
*Thuja gigantea* sensu Carrière in Rev. Hort. 1854: 224 (1854), non Nuttall (1834).  
*Libocedrus Craigiana* Low ex Gordon, Pinet. Suppl. 102 (1862), pro syn.  
*Heyderia decurrens* (Torr.) K. Koch, Dendr. 2, 2: 179 (1873).  
*Thuja decurrens* (Torr.) Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 88 [1908].
- L. decurrens f. compacta** (Beissn.) Voss, Vilmor. Blumengärt. 1: 1225 (1896).  
*Libocedrus decurrens compacta* Hort. ex Beissner, Handb. Nadelh. 30 (1891).
- L. decurrens f. glauca** (Beissn.) Beissner, Syst. Eintheil. Conif. 6 (1887) "(f.)"—Voss, Vilmor. Blumengärt. 1: 1225 (1896).  
*Libocedrus decurrens glauca* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 472 (1884).
- L. decurrens f. aureo-variegata** (Schwerin), grad. nov.  
*Libocedrus decurrens aureo-variegata* Schwerin in Mitt. Deutsch. Dendr. Ges. 1907(16): 256 [1908].—Beissner, Handb. Nadelh. ed. 2, 493 (1909).
- CUPRESSUS** Linnaeus, Sp. Pl. 1002 (1753); Gen. Pl. 435, no. 958 (1754).—Bentham & Hooker f., Gen. Pl. 3: 427 (1880).  
*Cupressus* subgen. *Eucupressus* Masters in Jour. Linn. Soc. Lond. Bot. 31: 325 (1896).—Sargent, Silva N. Am. 10: 97 (1896, Nov.) "sect."  
 LECTOTYPUS: *C. sempervirens* L.
- C. macrocarpa** Hartweg ex G. G[ordon] in Jour. Hort. Soc. Lond. 4: 296, fig. (1849).—Bentham, Pl. Hartweg. 337 (1857).—Sargent, Silva N. Am. 10: 103, t. 525 (1896).  
*Cupressus macrocarpa* Hartweg in Jour. Hort. Soc. Lond. 2: 187 (1847), nom.  
*Cupressus Hartwegii* Carrière in Rev. Hort. 1855: 233 (1855).  
*Cupressus Lambertiana* Carrière, Traité Conif. 124 (1855).  
*Cupressus macrocarpa* var. *Lambertiana* Masters in Jour. Linn. Soc. Lond. Bot. 31: 343 (1896).  
*Cupressus Reinwardtii* hort. ex Sargent, Silva N. Am. 10: 104 (1896), pro syn.
- C. macrocarpa f. fastigiata** (Carr.), grad. nov.  
*Cupressus macrocarpa fastigiata* Knight & Perry, Syn. Conif. 20 (1850), nom.—[Carrière] in Jacques & Herincq, Man. Pl. 4: 326 (1857).  
*Cupressus Lambertiana* var. *fastigiata* (Knight) Carrière, Traité Conif. 124 (1855).  
*Cupressus Hartwegii fastigiata* Carrière, Traité Conif. ed. 2, 169 (1867).
- C. macrocarpa f. lutea** (Webster), grad. nov.  
*Cupressus macrocarpa lutea* Webster, Hardy Conif. Trees, 43 (1896).—Kent, Veitch's Man. Conif. 215 (1900) "var."
- C. macrocarpa f. Crippsii** (R. Sm.), grad. nov.  
*Cupressus macrocarpa Crippsii* R. Smith, Pl. Fir Tribe, 16 [1874?].—Sargent, Silva N. Am. 10: 104 (1896).—Masters in Jour. Linn. Soc. Lond. Bot. 31: 344 (1896) "var."
- C. macrocarpa f. pygmaea** A. B. Jackson in Gard. Chron. ser. 3, 103: 267, fig. 105 (1938).
- C. sempervirens** Linnaeus, Sp. Pl. 1002 (1753).—Parlatore in De Candolle, Prodr. 16, 2: 468 (1868).
- C. sempervirens f. stricta** (Ait.), grad. nov.  
*Cupressus sempervirens* α. Lamarck, Encycl. Méth. Bot. 2: 242 (1786).  
*Cupressus sempervirens* α. *stricta* Aiton, Hort. Kew. 3: 372 (1789).  
*Cupressus lugubris* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).  
*Cupressus pyramidalis* O. Targioni-Tozzetti in Ann. Mus. Fis. Stor. Nat. Firenze, 2, 2: 73, 76, t. 10 (Obs. Bot. Dec. III-V) (1810).  
*Cupressus fastigiata* Miller ex De Candolle, Cat. Hort. Monspel. 22 (1813); Fl. Franç. 6: 336 (1815).  
*Cupressus sempervirens* var. *pyramidalis* Nyman, Consp. Fl. Eur. 675 (1881).  
*Cupressus sempervirens fastigiata* (DC.) Hansen in Jour. Hort. Soc. Lond. 14: 287 (1892).—Voss, Vilmor. Blumengärt. 1: 1228 (1895) "f."  
*Cupressus horizontalis fastigiata* (DC.) Mouillefert, Traité Arb. Arbriss. 2: 1388 (1898).
- C. sempervirens f. horizontalis** (Mill.) Voss, Vilmor. Blumengärt. 1: 1228 (1895).  
*Cupressus sempervirens* β. Linnaeus, Sp. Pl. 1003 (1753).—Lamarck, Encycl. Méth. Bot. 2: 242 (1786).  
*Cupressus horizontalis* Miller, Gard. Dict. ed. 8, C. no. 2 (1768).  
*Cupressus elongata* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).  
*Cupressus expansa* Targ. Tozz. ex Steudel, Nomencl. Bot. 1: 455 (1840), pro syn.  
*Cupressus patula* Spadoni, Xilolog. 1: 193 (1826).  
*Cupressus sempervirens* var. 2. *horizontalis* (Mill.) Lou-



- Cupressus sempervirens f. horizontalis** (*continued*)  
 don, Hort. Brit. 388 (1830); Arb. Brit. 4: 2465 (1838).  
 — Camus, Cyprès, 33 (1914) "subsp."  
*Cupressus Tournefortii* Audibert, Cat. Arb. Arbriss. 2: 13 (1831), nom.
- C. sempervirens** var. **indica** Royle ex Parlatores in De Candolle, Prodr. 16,2: 469 (1868).  
*Cupressus Roylei* Carrière, Traité Conif. 128 (1855).  
*Cupressus Whitleyana* Hort. ex Carrière, Traité Conif. 128 (1855).  
*Cupressus australis* Low ex Gordon, Pinet. ed. 2, 102 (1875), pro syn.  
*Cupressus Doniana* hort. ex Gordon, l. c. (1875), pro syn.
- C. Duclouxiana** Hickel in Camus, Cyprès, 91 (1914). — Stapf in Bot. Mag. 150: t. 9049 (1925).  
*Cupressus torulosa* sensu Rehder & Wilson in Sargent, Pl. Wilson 2: 54 (1916), non D. Don (1825).
- C. Bakerii** Jepson, Fl. Calif. 1: 61 (1909). — W. A. Eliot, Forest Trees Pacific Coast, 236, fig. 101 (1938) "bakeri".  
*Cupressus Macnabiana* sensu Rehder, Man. Cult. Trees Shrubs, 16 (1927), p. p. quoad syn.; non A. Murray (1855).
- C. Macnabiana** A. Murray in Edinb. New Philos. Jour. n. ser. 1: 293 (1855). — Sargent, Silva N. Am. 10: 109, t. 528 (1896).  
*Cupressus nivalis* [Lindley] in Gard. Chron. 1855: 421 (1855), pro syn.  
*Cupressus glandulosa* Hooker ex Gordon, Pinet. 64 (1858). — Henkel & Hochstetter, Syn. Nadelh. 241 (1865).  
*Cupressus Nabiana* Masters in Gard. Chron. ser. 3, 9: 403, fig. 90 (1891).  
*Cupressus nevadensis* Abrams in Torreya, 19: 92 (1919).
- C. arizonica** Greene in Bull. Torrey Bot. Club, 9: 64 (1882). — Sargent, Silva N. Am. 10: 105, t. 526 (1896). — Little in Am. Jour. Bot. 31: 592 (1944).  
*Cupressus Guadalupeensis* sensu Sargent, Forest Trees 10th Cens. U. S. 9: 180 (1884), non S. Watson (1879).  
*Cupressus Benthamii* var. *arizonica* (Greene) Masters in Jour. Linn. Soc. Lond. Bot. 31: 340, fig. 14, 17 (1896).  
*Cupressus arizonica* (f.) *typica* A. Schaefer in Mitt. Deutsch. Dendr. Ges. 1921(31): 325, fig. (1921).  
*Cupressus arizonica* (f.) *patens* A. Schaefer, l. c. fig. (1921).
- C. arizonica** var. **bonita** Lemmon, Handb. W. Am. Conebear. ed. 3, 76 (1895).  
*Cupressus glabra* Sudworth in Am. For. 16: 88, fig. (1910).
- C. arizonica f. compacta** (Schneid.), grad. nov.  
*Cupressus arizonica* var. *compacta* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 174, fig. 177 (1913).
- C. arizonica f. glauca** (Woodall), grad. nov.  
*Cupressus arizonica glauca* Woodall in Garden, 88: 16 (1916).
- CUPRESSOCYPARIS** (*Chamaecyparis* × *Cupressus*) [Dallimore] in Kew Hand-list Conif. ed. 4, 37 (1938).
- C. Leylandii** (*Chamaecyparis nootkatensis* × *Cupressus macrocarpa*) (Jackson & Dallim.) [Dallimore] l. c. (1938).  
*Cupressus Leylandii* A. B. Jackson & Dallimore in Kew Bull. 1926: 114, fig., t. 7 (1926).
- CHAMAECYPARIS** Spach, Hist. Nat. Vég. Phan. 11: 329 (1842). — Parlatores in De Candolle, Prodr. 16,2: 463 (1868).  
*Chamaepeuce* Zuccarini ex Endlicher, Enchirid. Bot. 139 (1841), nom.; non De Candolle (1837).  
*Retinispora* Siebold & Zuccarini, Fl. Jap. 2: 36 [1842].  
*Chamaecyparis* sect. *Euchamaecyparis* Endlicher, Syn. Conif. 61 (1847).  
*Chamaecyparis* sect. *Retinispora* Endlicher, Syn. Conif. 63 (1847). — Carrière, Traité Conif. 136 (1855) "trib. *Retinispora*."  
*Thuya* sect. 5. *Chamaecyparis* (Spach) Benth. & Hooker, Gen. Pl. 3: 427 (1880).  
*Cupressus* subgen. *Chamaecyparis* (Spach) Masters in Jour. Linn. Soc. Lond. Bot. 31: 351 (1896). — Sargent, Silva N. Am. 10: 98 (1896, Nov.) "sect."; sect. *Thuyopsis* exclud.
- LECTOTYPUS: *Cupressus thuyoides* L. = *Chamaecyparis thuyoides* (L.) Britton, Sterns & Poggenburg.
- C. thuyoides** (L.) Britton, Sterns & Poggenburg, Prelim. Cat. Pl. New York City, 71 (1888). — Sargent, Man. Trees N. Am. 82, fig. 73 (1905).  
*Cupressus thuyoides* Linnaeus, Sp. Pl. 1003 (1753). — Sargent, Silva N. Am. 10: 111, t. 529 (1896).  
*Cupressus palustris* Salisbury, Prodr. Stirp. Chap. Allert. 398 (1796).  
*Thuya sphaeroidea* Sprengel, Syst. Veg. 3: 889 (1826).  
*Thuya sphaeroidalis* A. L. Richard, Comm. Bot. Conif. 45, t. 8, fig. 2 (1826).  
*Chamaecyparis sphaeroidea* Spach, Hist. Nat. Vég. Phan. 11: 331 (1842).  
*Chamaecyparis thuyoides* (L.) Voss, Vilmor. Blumengärt. 1: 1227 (1896).  
*Cupressus thuyoides* L. ex Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 88 [1908].
- C. thuyoides f. glauca** (Endl.), grad. nov.  
*Chamaecyparis sphaeroidea* var. *β. glauca* Endlicher, Syn. Conif. 62 (1847).  
*Cupressus thuyoides* var. *glauca* Lawson, List Pl. Fir Tribe, 63 (1851).  
*Chamaecyparis sphaeroidea kewensis* Knight & Perry, Syn. Conif. 20 (1850), nom. — Carrière, Traité Conif. 133 (1855).  
*Cupressus thuyoides* var. *kewensis* Hort. ex Hoopes, Book Evergr. 349 (1868).  
*Chamaecyparis thuyoides glauca* (Endl.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 77 (Nomencl. Arb. Fl. U. S.) (1897).
- C. thuyoides f. variegata** (Hoopes), grad. nov.  
*Cupressus thuyoides* 2. *foliis variegatis* Loudon, Arb. Brit. 4: 2475 (1838).  
*Chamaecyparis sphaeroidea* var. *γ. variegata* Endlicher, Syn. Conif. 62 (1847), nom.  
*Cupressus thuyoides* var. *variegata* (Loud.) Hoopes, Book Evergr. 349 (1868).  
*Chamaecyparis thuyoides variegata* (Loud.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 77 (Nomencl. Arb. Fl. U. S.) (1897).
- C. thuyoides f. ericoides** (Carr.), grad. nov.  
*Widdringtonia ericoides* Hort. ex Knight & Perry, Syn. Conif. 13 [1850], nom. — Carrière, Traité Conif. 140 (1855), pro syn. sub *C. ericoides*.  
*Chamaecyparis ericoides* Carrière, l. c. (1855), p. p.  
*Retinispora ericoides* Zuccarini ex Gordon, Pinet. Suppl. 91 (1862).

- Cupressus ericoides* Hort. ex Gordon, l. c. (1862), pro syn.  
*Thuja ericoides* Hort. ex Gordon, l. c. (1862), pro syn.  
*Retinospora pseudo-squarrosa* Carrière, *Traité Conif.* ed. 2, 140 (1867).—Beissner in *Gartenfl.* 30: 211 (1881), pro syn.  
*Retinispora obtusa* var. *ericoides* Hoopes, *Book Evergr.* 358 (1868), p. p. ?  
*Chamaecyparis sphaeroidea* var. *ericoides* Beissner & Hochstetter ex Hochstetter in *Gartenfl.* 29: 364 (1880); Hochstetter, *Conif.* 78 (1882).—Beissner & Hochstetter ex Beissner, *Syst. Eintheil. Conif.* 11 (1887) "(f.)"  
*Cupressus thuyoides ericoides* Sargent, *Silva N. Am.* 10: 112 (1896), in nota.  
*Chamaecyparis thuyoides ericoides* (Knight) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 79 (Nomencl. Arb. Fl. U. S.) (1897).—Schneider in *Silva Tarouca*, *Uns. Freil.-Nadelh.* 169 (1913) "var."
- C. thuyoides f. andelyensis** (Carr.), grad. nov.  
*Retinospora leptoclada* Zuccarini ex Gordon, *Pinet. Suppl.* 91 (1862), p. p.  
*Chamaecyparis leptoclada* Hochstetter, *Syn. Nadelh.* 257 (1865), p. p.  
*Chamaecyparis sphaeroidea andelyensis* Carrière, *Traité Conif.* ed. 2, 123 (1867).—Sénéclauze, *Conif.* 58 (1868) "andelyensis."  
*Cupressus thuyoides* var. *andelyensis*, Lavallée, *Arb. Segrez.* 278 (1877).  
*Cupressus thuyoides leptoclada* Kent in Veitch, *Man. Conif.* 238 (1881).  
*Chamaecyparis thuyoides* var. *andelyensis* Schneider in *Silva Tarouca*, *Uns. Freil.-Nadelh.* 169 (1913).  
*Cupressus thuyoides* var. *andelyensis* Grignani in *Rev. Hort.* 1916: 156, fig. 35 (1916).
- C. nootkatensis** (D. Don) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 79 (Nomencl. Arb. Fl. U. S.) (1897).  
*Cupressus nootkatensis* D. Don in Lambert, *Descr. Pinus*, 2: 113 [18] (1824).—Sargent, *Silva N. Am.* 10: 115, t. 530 (1896).  
*Thuya excelsa* Bongard in *Mém. Acad. Sci. St. Pétersb. sér. 6*, 2: 164 (Obs. Veget. Sitcha, 46. 1832) (1833).  
*Chamaecyparis nutkaensis* Spach, *Hist. Nat. Vég. Phan.* 11: 333 (1842).  
*Cupressus americana* Trautvetter, *Pl. Imag. Fl. Russ.* 12, t. 7 (1844).  
*Chamaecyparis nutkaensis* Lindley & Gordon in *Jour. Hort. Soc. Lond.* 5: 207 (1850).  
*Thuiopsis borealis* [Hort. ex Lindley] in *Gard. Chron.* 1854: 727 (1854), nom.—Carrière, *Traité Conif.* 113 (1855).  
*Thuiopsis Tchugatskoy* et *T. Tchugatskoyae* Hort. ex Carrière, l. c. (1855), pro syn.  
*Thuiopsis cupressoides* Carrière in Jacques & Herincq, *Man. Pl.* 4: 324 (1857).  
*Chamaecyparis excelsa* Fischer in *herb. ex Carrière*, *Traité Conif.* ed. 2, 126 (1867), pro syn.  
*Cupressus nutkaensis* (Spach) [A. Murray in] Ravenscroft, *Pinet. Brit.* 2: 199, t. [1869].  
*Thuiopsis Tschugatskoi* Fisch. ex K. Koch, *Dendr.* 2: 166 (1873), pro syn.  
*Chamaecyparis nutkaensis* α. *typica* Regel, *Russk. Dendr.* ed. 2, 23 (1883).
- C. nootkatensis f. glauca** (Muell.), grad. nov.  
*Chamaecyparis nutkaensis* var. β. *glauca* C. Mueller in Walpers, *Ann. Bot. Syst.* 5: 796 (1858).—Regel ex Henkel & Hochstetter, *Syn. Nadelh.* 251 (1865).—Beissner, *Syst. Eintheil. Conif.* 13 (1887) "(f.)"—Lipa, *Dendrofl. U. R. S. R.* 1: 157 (1939) "f."  
*Cupressus nutkaensis* 2. *glauca* Kirchner in Petzold & Kirchner, *Arb. Muscav.* 711 (1864).  
*Thuyopsis borealis glauca* [Otto] in *Hamburg. Gart.- & Blumenzeit.* 22: 160 (1866), nom.  
*Chamaecyparis nutkaensis* β. *glauca* Regel, *Russk. Dendr.* ed. 2, 23 (1883).  
*Cupressus nutkatensis* var. *glauca* [Masters in] *Kew Hand-list Conif.* ed. 2, 43 (1903), nom.—Henry in Elwes & Henry, *Trees Gt. Brit. Irel.* 5: 1195 (1910).  
*Chamaecyparis nootkatensis* var. *glauca* Schneider in *Silva Tarouca*, *Uns. Freil.-Nadelh.* 167 (1913).
- C. nootkatensis f. lutea** (Webster), grad. nov.  
*Cupressus nootkatensis lutea* Webster, *Hardy Conif. Trees*, 44 (1896).—Kent, *Veitch's Man. Conif.* ed. 2, 219 (1900).  
*Chamaecyparis nutkaensis lutea*, Nicholson, *Ill. Dict. Gard. Suppl.* 221, fig. 236 (1900).—Lipa, *Dendrofl. U. R. S. R.* 1: 157 (1939) "f. l."  
*Chamaecyparis nootkatensis* var. *lutea* Beiss. ex Rehder in *Bailey, Stand. Cycl. Hort.* 2: 730 (1914).
- C. nootkatensis f. compacta** (Gord.), grad. nov.  
*Cupressus nutkaensis compacta* Hort. ex Gordon, *Pinet.* ed. 2, 425 (1875).  
*Thuyopsis borealis compacta* R. Smith, *Pl. Fir Tribe*, 47 [1874?].  
*Chamaecyparis nutkaensis compacta* Beissner in Jäger & Beissner, *Ziergeh.* ed. 2, 452 (1884); *Syst. Eintheil. Conif.* 13 (1887) "(f.)"  
*Cupressus nootkatensis compacta* Webster, *Hardy Conif. Trees*, 44 (1896).—Kent, *Veitch's Man. Conif.* ed. 2, 218 (1900) "var."  
*Chamaecyparis nootkatensis compacta* (Veitch) Beissn. ex Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 81 (Nomencl. Arb. Fl. U. S.) (1897).
- C. nootkatensis f. pendula** (Beiss.), grad. nov.  
*Chamaecyparis nutkaensis pendula* Beissner in Jäger & Beissner, *Ziergeh.* ed. 2, 452 (1884); *Syst. Eintheil. Conif.* 13 (1887) "(f.)"; *Handb. Nadelh.* 83, fig. 18 (1891).—Lipa, *Dendrofl. U. R. S. R.* 1: 156 (1939) "f."  
*Cupressus nootkatensis pendula* Webster, *Hardy Conif. Trees*, 44 (1896).  
*Chamaecyparis nootkatensis pendens* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 81 (Nomencl. Arb. Fl. U. S.) (1897).  
*Chamaecyparis nootkatensis* var. *pendula* Schneider in *Silva Tarouca*, *Uns. Freil.-Nadelh.* 167, fig. 165 (1913).
- C. Lawsoniana** (Murr.) Parlatore in *Ann. Mus. Stor. Nat. Firenze*, 1: 181 (1864); in De Candolle, *Prodr.* 16: 464 (1868).  
*Cupressus Lawsoniana* A. Murray in *Edinb. New Philos. Jour. n. ser.* 1: 299, t. 9 (1855).—Sargent, *Silva N. Am.* 10: 119, t. 531 (1896).  
*Cupressus fragrans* Kellogg in *Proc. Calif. Acad. Sci.* 1: 103 (1856).  
*Cupressus attenuata* Gordon, *Pinet.* 57 (1858).  
*Cupressus nivea* Gordon, l. c. (1858), pro syn.  
*Chamaecyparis Boursieri* Carrière, *Traité Conif.* ed. 2, 125 (1867), non Decaisne (1854).  
*Cupressus nutkanus* Torrey in Wilkes, *U. S. Explor. Exped. Bot.* 2: t. 16 (1874).  
*Cupressus Bourgeauii* hort. ex Gordon, *Pinet.* ed. 2, 79 (1875), pro syn.

**Chamaecyparis** (continued)

- C. Lawsoniana** f. **glauca** [Jaeg.] Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.)"—Voss, Vilmor. Blumengärt. 1: 1227 (1896).  
*Cupressus Lawsoniana* var. *glauca* Jäger, Ziergeh. 200 (1865).  
*Cupressus Boursieri* var. *glauca* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 659 (1875).  
*Chamaecyparis Lawsoniana* var. *glauca* Hochstetter, Conif. 79 (1882).  
*Chamaecyparis Lawsoniana* "Triomphe van Boskoop" Beissner in Mitt. Deutsch. Dendr. Ges. 1898(7): 18 (1898); Handb. Nadelh. ed. 2, 546 (1909) "Triomf van Boskoop."
- C. Lawsoniana** f. **albo-spica** (Nichols.) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168 (1913) "var. *variegata* f. *albospica*."  
*Cupressus Lawsoniana* *alba spica* Hort. ex Gordon, Pinet. 424 (1875).  
*Chamaecyparis Lawsoniana* *albo-spica* Nicholson, Ill. Dict. Gard. 1: 303 (1884).—Beissner, Handb. Conif.-Ben. 31 (1887) "(f.)"  
*Cupressus Lawsoniana* var. *albo-spica* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1203 (1910).  
*Chamaecyparis Lawsoniana* *albo-spicata* hort. ex Beissner, Handb. Nadelh. ed. 2, 547 (1909).—Lipa, Dendrofl. U. R. S. R. 1: 151 (1939) "f."
- C. Lawsoniana** f. **argentea** [Gord.] Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.)"  
*Cupressus Lawsoniana* *argentea* Lawson ex Gordon, Pinet. Suppl. 24 (1862).  
*Chamaecyparis Boursieri* *argentea* Carrière, Traité Conif. ed. 2, 126 (1867).  
*Chamaecyparis Lawsoniana* *argentea* hort. ex Beissner, Handb. Nadelh. 546 (1891).
- C. Lawsoniana** f. **lutea** (Gard. Chron.) Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168, t. 5 (1913) "var. *aurea* f."; in tab. "var. *lutea*."  
*Cupressus Lawsoniana* *lutea* Anon. in Gard. Chron. 1873: 6 (1873).—R. Smith, Pl. Fir Tribe, 15 [1874?].—Rollisson ex Gordon, Pinet., ed. 2, 88 (1875).  
*Chamaecyparis Boursieri* var. *lutea* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 659 (1875).  
*Chamaecyparis Lawsoniana* var. *lutea* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 452 (1884).  
*Chamaecyparis Lawsoniana* *lutescens* Hort. ex Beissner, Handb. Nadelh. 75 (1891).  
*Cupressus Lawsoniana* *lutescens* Masters in Jour. Linn. Soc. Lond. Bot. 31: 354 (1896).—Camus, Cyprès, 78 (1914) "var."
- C. Lawsoniana** f. **erecta** [Jäger] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168, fig. 166 (1913) "var. *pyramidalis* f. *e.* (f.) *viridis*"  
*Cupressus Lawsoniana* var. *erecta* Jäger, Ziergeh. 200 (1865).  
*Cupressus Lawsoniana* *erecta* *viridis* M. in Gard. Chron. 1870: 279, fig. 49 (1870).—A. Waterer ex Gordon, Pinet. ed. 2, 425 (1875).—Masters in Jour. Linn. Soc. Lond. Bot. 31: 318, fig. (1896) "(f.) *erecta-viridis*."  
*Chamaecyparis Boursieri* var. *erecta* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 659 (1875).  
*Chamaecyparis Boursieri* var. *erecta* *viridis* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 659 (1875).  
*Chamaecyparis Lawsoniana* var. *erecta* *viridis* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 451 (1884).—
- Nicholson, Ill. Dict. Gard. 1: 303 [1884] "*erecta-viridis*."
- Chamaecyparis Lawsoniana* *erecta* Gaeta in Bull. Soc. Tosc.ortic. 17: 145 (1892).—(Gord.) Sudworth in U. S. Dept. Agric. Div. For. Bull. 14: 82 (Nomencl. Arb. Fl. U. S.) (1897).
- C. Lawsoniana** f. **glaucescens** (Otto) Rehder in Jour. Arnold Arb. 27: 169 (1946).  
*Cupressus Lawsoniana* *erecta* *glaucescens* Sieb. ex [Otto in] Hamburg. Gart.- & Blumenzeit. 24: 141 (1868), non *C. L.* var. *erecta* Jäger (1865).  
*Cupressus Lawsoniana* *erecta* *glauca* R. Smith, Pl. Fir Tribe, 15 [1874?].  
*Chamaecyparis Lawsoniana* var. *erecta* *glauca* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 451 (1884).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168 (1913) "var. *pyramidalis* f. *e.* [sub f.] *g.*"—Rehder, Man. Cult. Trees Shrubs, 18 (1927) "var. *erecta-glauca*."  
*Chamaecyparis Lawsoniana* *erecta* *glaucifolia* Sudworth in U. S. Dept. Agric. Div. For. Bull. 14: 83 (Nomencl. Arb. Fl. U. S.) (1897).  
*Chamaecyparis Lawsoniana* var. *monumentalis* nova [hort. ex] Schneider, l. c. (1913), pro syn.
- C. Lawsoniana** f. **Allumii** Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.) *Alumi*," nom.; Handb. Nadelh. 73 (1891).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168 (1913) "var. *pyramidalis* f. *Alumii*."  
*Cupressus Lawsoniana* *Alumi* Webster, Hardy Conif. Trees, 39 (1896).—Kent, Veitch's Man. Conif. ed. 2, 206 (1900) "*Allumi*."  
*Cupressus Allumii* W. D. in Garden, 91: 729, fig. (1927).
- C. Lawsoniana** f. **Fraseri** (Beissn.) Lipa, Dendrofl. U. R. S. R. 1: 151 (1939).  
*Chamaecyparis Lawsoniana* (f.) *Fraseri* Beissner, Syst. Eintheil. Conif. 12 (1887), nom.; Handb. Nadelh. 74 (1891) "*C. L. F.*"—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168 (1913), pro syn.  
*Cupressus Lawsoniana* var. *Fraseri* [Masters] in Kew Hand-list Conif. 41 (1896).—J. Clark in Garden, 74: 119 (1910).
- C. Lawsoniana** f. **Fletcheri** (Hornibr.), grad. nov.  
*Cupressus Lawsoniana* *Fletcheri* Anon. in Garden, 77: 274, fig. (1913).—Hornibrook, Dwarf Conif. 31, t. (1923); in Chittenden, Conif. Cult. Rep. Conif. Conf. 64, fig. 8a (1932); Dwarf Conif. ed. 2, 39, t. (1939).
- C. Lawsoniana** f. **pendula** [Beiss.] Beissner, Syst. Eintheil. Conif. 13 (1887) "(f.)"  
*Chamaecyparis Lawsoniana* var. *pendula* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 452 (1884).  
*Cupressus Lawsoniana* var. *pendula* (Beiss.) Camus, Cyprès, 78 (1914).
- C. Lawsoniana** "pendula vera" Hesse ex Beissner, Handb. Nadelh. 76 (1891).—Garrelts in Gartenfl. 39: 449, f. 76 (1890).—Voss, Vilmor. Blumengärt. 1: 1227 (1896) "f. *pendula vera*."  
*Cupressus Lawsoniana* var. *pendula vera* Kent, Veitch's Man. Conif. ed. 2, 207 (1900).
- C. Lawsoniana** f. **gracilis** [Nelson] Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.)"  
*Cupressus Lawsoniana* *gracilis* [Nelson], Pinac. 188 (1866).  
*Chamaecyparis Boursieri* *gracilis* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 659 (1875).

- Cupressus Lawsoniana gracilis pendula* Kent, Veitch's Man. Conif. 232 (1881).
- Chamaecyparis Lawsoniana* var. *gracilis* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 452 (1884).—Rehder in Bailey, Stand. Cycl. Hort. 2: 731 (1914) "var."
- Chamaecyparis Lawsoniana gracilis pendula* Nicholson, Ill. Dict. Gard. 1: 303 [1884].
- C. Lawsoniana** f. *filiformis* (Kent) Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.)"
- Cupressus Lawsoniana filiformis* Kent, Veitch's Man. Conif. 232 (1881).
- Chamaecyparis Lawsoniana filiformis* Nicholson, Ill. Dict. Gard. 1: 303 [1884].—Beissner, Handb. Nadelh. 76 (1891).
- C. Lawsoniana** f. *intertexta* [R. Smith] Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.)"
- Cupressus Lawsoniana intertexta* R. Smith, Pl. Fir Tribe, 15 [1874?].
- Chamaecyparis Lawsoniana intertexta* Nicholson, Ill. Dict. Gard. 1: 304 [1884].—Schneider in Gartenschönl. 6: 231, fig. (1925).
- C. Lawsoniana** f. *nana* [Dauvesse] Beissner, Syst. Eintheil. Conif. 12 (1887) "(f.)"
- Cupressus Lawsoniana nana* Dauvesse in Gard. Chron. 1864: 579 (1864).
- Chamaecyparis Boursierii nana* Carrière, Traité Conif. ed. 2, 126 (1867).
- Chamaecyparis Lawsoniana* var. *nana* Hochstetter, Conif. 80 (1882).
- C. Lawsoniana** "nana glauca" Beissner in Jäger & Beissner, Ziergeh. ed. 2, 452 (1884), non *C. Laws.* f. *glauca* Beissner (1887).
- Cupressus Lawsoniana nana glauca* Kent, Veitch's Man. Conif. ed. 2, 207 (1900).
- C. Lawsoniana** "minima glauca" (R. Smith) Beissner in Jäger & Beissner, Ziergeh. ed. 2, 452 (1884) "var."—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 168, fig. 137 (1913) "var. nana f. m. g."—Non *Cupr. Laws. minima* Gord. (1880), nec *Cupr. Laws.* var. *glauca* Jaeg. (1884).
- Cupressus Lawsoniana minima glauca* R. Smith, Pl. Fir Tribe, 15 (1874?).
- C. obtusa** (Sieb. & Zucc.) Endlicher, Syn. Conif. 63 (1847).—Wilson, Conif. Taxads Jap. 76, t. 54, 55 (1916).
- Retinispora obtusa* Siebold & Zuccarini, Fl. Jap. 2: 38, t. 121 [1844].—Gordon, Pinet. ed. 2, 367 (1875) "*Retinispora o.*"
- Chamaepeuce obtusa* Zuccarini ex Gordon, Pinet. Suppl. 93 (1862), pro syn.
- Retinispora Fusinoki* Zuccarini ex Gordon, Pinet. Suppl. 93 (1862), pro syn.
- Cupressus obtusa* (Sieb. & Zucc.) K. Koch, Dendr. 2, 2: 168 (1873).
- Thuya obtusa* (Sieb. & Zucc.) Masters in Jour. Linn. Soc. Bot. 18: 491, fig. 4 (1881), non Moench (1794).
- Chamaecyparis obtusa* α. *typica* Regel, Russk. Dendr. ed. 2, 25 (1883).
- C. obtusa** var. *formosana* (Hayata) Rehder in Bailey, Stand. Cycl. Hort. 2: 731 (1914).
- Chamaecyparis obtusa* f. *formosana* Hayata in Gard. Chron. ser. 3, 43: 194 (1908); in Jour. Coll. Sci. Tokyo 25, 19: 208, fig. 5 (Fl. Mont. Formos.) (1908).
- C. obtusa** f. *albo-spica* (Beiss.) Beissner, Syst. Eintheil. Conif. 14 (1887) "(f.)"
- Retinispora obtusa alba spica* Barron ex Gordon, Pinet. ed. 2, 427 (1875).—R. Smith, Pl. Fir Tribe, 38 [1874?].
- Chamaecyparis obtusa* var. *albo-spica* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 453 (1884).—Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 287 (1900).
- Chamaecyparis obtusa albo-spicata* hort. ex Beissner, Handb. Nadelh. ed. 2, 560 (1909).
- Cupressus obtusa* var. *albo-spica* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1187 (1910).
- C. obtusa** f. *aurea* (Gord.), grad. nov.
- Retinispora obtusa aurea* Fortune ex Gordon, Pinet. Suppl. 93 (1862).
- Chamaecyparis obtusa aurea* Fort. ex Henkel & Hochstetter, Syn. Nadelh. 253 (1865).—Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 287 (1900) "var."—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 166, t. 6 (1913) "var."
- Cupressus obtusa* var. *aurea* Lavallée, Arb. Segrez. 280 (1877), nom.—Kent, Veitch's Man. Conif. ed. 2, 221 (1900).
- C. obtusa** f. *Crippsii* (Rehd.), grad. nov.
- Chamaecyparis obtusa* var. *Crippsii* Rehder in Möller's Deutsch. Gärtn.-Zeit. 16: 300 (1901).—Slavin in Chittenden, Conif. Cult. Rep. Conif. Conf. 98 (1932).
- Cupressus obtusa* var. *Crippsii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1187 (1910).
- Cupressus obtusa aurea Crippsii* Dallimore in Chittenden, Conif. Cult. Rep. Conif. Conf. 18 (1932), pro syn.
- C. obtusa** "gracilis aurea" Nicholson, Ill. Dict. Gard. 1: 304 [1884], non *Ret. obtusa aurea* Gord. (1862).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 166 (1913) "var. aurea f. gracilis aurea."
- Retinispora obtusa gracilis aurea* R. Smith, Pl. Fir Tribe, 39 (1874?).—Veitch ex Gordon, Pinet. ed. 2, 428 (1875).
- Cupressus obtusa* var. *gracilis aurea* [Masters in] Kew Hand-list Conif. 45 (1896).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1187 (1910).
- Chamaecyparis obtusa aurea Youngii* Bobbink & Atkins Cat. 1930: 7 (1930).—Slavin in Chittenden, Conif. Cult. Rep. Conif. Conf. 98 (1932).
- C. obtusa** f. *tetragona* Rehder in Jour. Arnold Arb. 1: 52 (1919).
- Chamaecyparis obtusa tetragona aurea* Nicholson, Ill. Dict. Gard. 1: 304 (1884), non *Ret. obtusa aurea* Gord. (1862).
- Cupressus obtusa tetragona-aurea* Masters in Jour. Linn. Soc. Lond. Bot. 31: 355 (1896).
- Cupressus obtusa* var. *tetragona aurea* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1186 (1910).
- C. obtusa** f. *Barronii* Rehder in Jour. Arnold Arb. 26: 68 (1945).
- Retinispora tetragona* R. Smith, Pl. Fir Tribe, 40 [1874?].—Barron ex Gordon, Pinet. ed. 2, 429 (1875).
- Chamaecyparis thujaeformis* [Hort.] ex R. Smith, l. c. [1874], pro syn.
- Chamaecyparis obtusa* var. *tetragona* (Gord.) Hornibrook, Dwarf Conif. 42 (1923), non Rehder (1919).
- C. obtusa** f. *breviramea* (Maxim.), grad. nov.
- Chamaecyparis breviramea* Maximowicz in Bull. Acad. Sci. St. Pétersb. 10: 489 (in Mém. Biol. 6: 25) (1866).
- Chamaecyparis obtusa* δ. *breviramea* (Maxim.) Regel, Russk. Dendr. ed. 2, 26 (1883).—Patschke in Bot. Jahrb. 48: 678, t. 8, fig. 11 (1913).

**Chamaecyparis obtusa f. breviramea** (*continued*)

*Thuja obtusa* var. *breviramea* (Maxim.) Masters in Jour. Linn. Soc. Lond. Bot. **18**: 494 (1881).

*Retinospora obtusa breviramea* Carrière in Rev. Hort. **1889**: 375, fig. 97 (1889).

*Cupressus obtusa* var. *breviramea* (Maxim.) Masters in Jour. Hort. Soc. Lond. **14**: 207 (1892); in Jour. Linn. Soc. Lond. Bot. **31**: 355 (1896).

**C. obtusa f. magnifica** (R. Smith), grad. nov.

*Retinospora obtusa magnifica* R. Smith, Pl. Fir Tribe, 39 [1874?].

*Chamaecyparis obtusa magnifica* Beissner, Handb. Nadelh. 93 (1891).

*Cupressus obtusa* var. *magnifica* [Masters in] Kew Hand-list Conif. 45 (1896).—(Hort.) Camus, Cyprès, 90 (1914).

**C. obtusa f. erecta** (Beiss.), grad. nov.

*Chamaecyparis obtusa* var. *erecta* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 453 (1884); Handb. Nadelh. 93 (1891).

*Cupressus obtusa erecta* Masters in Jour. Linn. Soc. Lond. Bot. **31**: 355 (1896).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **5**: 1187 (1910) "var."

**C. obtusa f. gracilis** (Rehd.), grad. nov.

*Retinospora obtusa gracilis* Veitch ex Barron, Select Cat. Conif. Orn. Pl. 7 (1875), nom.

*Cupressus obtusa gracilis* Lavallée, Arb. Segrez. 281 (1877), nom.

*Chamaecyparis obtusa* var. *gracilis* Nash in Jour. New York Bot. Gard. **18**: 140 (1917), nom.—Rehder in Bailey, Cult. Evergr. 216 (1923).

**C. obtusa f. filicoides** [R. Smith] Beissner, Syst. Eintheil. Conif. 14 (1887) "(f.)."

*Retinospora filicoides* R. Smith, Pl. Fir Tribe, 38 [1874?].—Veitch ex Gordon, Pinet. ed. 2, 363 (1875).

*Chamaecyparis obtusa* var. *filicoides* (Veitch) Hartwig & Rümpler, Bäume Sträuch. 660 (1875).

*Cupressus obtusa* var. *filicoides* (Hort. Veitch) Lavallée, Arb. Segrez. 281 (1877).—Kent, Veitch's Man. Conif. 221, fig. 65 (1900).

*Cupressus Nobleana* (Hort. Brit.) Lavallée, l. c. 282 (1877), nom.?

*Retinospora Nobleana* Hort. Brit. ex Lavallée, l. c. (1877), pro syn.

*Thuja obtusa* var. *filicoides* Masters in Jour. Linn. Soc. Lond. Bot. **18**: 494, fig. 5 (1881).

**C. obtusa f. lycopodioides** [Gord.] Beissner, Syst. Eintheil. Conif. 14 (1887) "(f.)."

*Retinospora lycopodioides* Standish ex Gordon, Pinet. Suppl. 92 (1862).

*Retinospora obtusa lycopodioides* [Nelson], Pinac. 76 (1866).

*Chamaecyparis obtusa lycopodioides* (Gord.) Carrière, Traité Conif. ed. 2, 132 (1867).—Rehder in Bailey, Cycl. Am. Hort. [1:] 287 (1900) "var."

*Chamaecyparis lycopodioides* (Gord.) Sénéclauze, Conif. 54 (1868).

*Cupressus obtusa* var. *lycopodioides* (Gord.) Lavallée, Arb. Segrez. 281 (1877).

*Thuja obtusa* var. *lycopodioides* (Carr.) Masters in Jour. Linn. Soc. Lond. Bot. **18**: 593 (1881).

**C. obtusa f. compacta** [Gord.] Beissner, Syst. Eintheil. Conif. 14 (1887) "(f.)."—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 165 (1913) "var. *nana* f."

*Retinospora obtusa compacta* Hort. ex Gordon, Pinet. ed. 2, 368 (1875).

*Chamaecyparis obtusa* var. *compacta* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 660 (1875).

*Cupressus obtusa* var. *compacta* Lavallée, Arb. Segrez. 280 (1877).—Kent, Veitch's Man. Conif. ed. 2, 221 (1900).

*Chamaecyparis obtusa* var. *nana* Bailey, Cult. Evergr. t. 18 (1923) p. p. quoad tab.; non Carrière (1867).

**C. obtusa f. nana** (Carr.) Beissner, Syst. Eintheil. Conif. 14 (1887) "(f.)."

*Chamaecyparis obtusa nana* Carrière, Traité Conif. ed. 2, 131 (1867).—Regel, Russk. Dendr. ed. 2, 25 (1883) "β. *nana*."

*Retinospora obtusa nana* R. Smith, Pl. Fir Tribe, 39 (1874?).—Carrière in Rev. Hort. **1882**: 102, fig. 25 (1882).

*Cupressus obtusa* var. *nana* Lavallée, Arb. Segrez. 282 (1877).

*Thuja obtusa* var. *nana* (Carr.) Masters in Jour. Linn. Soc. Lond. Bot. **18**: 493 (1881).

*Chamaecyparis obtusa* var. *nana densa* Hornibrook, Dwarf Conif. 40 (1923).

**C. obtusa "nana aurea"** Carrière, Traité Conif. ed. 2, 131 (1867), non *Retinospora obtusa aurea* Gord. (1862).

*Retinospora obtusa nana aurea* R. Smith, Pl. Fir Tribe, 39 [1874?].—Veitch ex Gordon, Pinet. ed. 2, 428 (1875).

*Cupressus obtusa* var. *nana aurea* [Masters] in Kew Hand-list Conif. 45 (1896).—Camus, Cyprès, 89 (1914).

**C. obtusa f. pygmaea** (Gord.) Beissner, Syst. Eintheil. Conif. 14, (1887) "(f.)."

*Retinospora obtusa pygmaea* Gordon, Pinet. Suppl. 94 (1862).

*Chamaecyparis obtusa pygmaea* (Gord.) Henkel & Hochstetter, Syn. Nadelh. 253 (1865).—Regel, Russk. Dendr. ed. 2, 26 (1883) "γ. *pygmaea*."—Hornibrook, Dwarf Conif. 39 (1923) "var."

*Cupressus obtusa* var. *pygmaea* (Hort.) Lavallée, Arb. Segrez. 281 (1877).—Kent, Veitch's Man. Conif. 222 (1900).

*Thuja obtusa* var. *pygmaea* (Carr.) Masters in Jour. Linn. Soc. Lond. Bot. **18**: 493 (1881).

**C. obtusa f. Sanderi** (Sander) Rehder in Jour. Arnold Arb. **28**: (1947).

*Juniperus Sanderi* Sander ex [Masters in] Gard. Chron. ser. 3, **25**: 287 (1899).—Beissner in Mitt. Deutsch. Dendr. Ges. **1899**(8): 116 (1899), pro syn.—Unger in Mitt. Deutsch. Dendr. Ges. **1900**(9): 69 (1900), pro syn.—Anon. in Möller's Deutsch. Gärt.-Zeit. **15**: 589, fig. (1900), nom. subnud.

*Chamaecyparis obtusa ericoides* hort. Jap. ex Boehmer, Cat. **1899–1900** (suppl.): 2 (1899), nom. nud.—Beissner in Mitt. Deutsch. Dendr. Ges. **1901**(10): 77 (1901), nom. subnud.; **1903**(12): 51 (1903); in Möller's Deutsch. Gärt.-Zeit. **18**: 291, fig. (1903); Handb. Nadelh. ed. 2, 556, fig. 142 (1909).—Hornibrook, Dwarf Conif. 41, fig. (1923) "var."—Non *Retinospora obtusa* var. *ericoides* Hoopes (1868).

*Retinospora Sanderi* (Hort.) [Sander] in Gard. Chron. ser. 3, **33**: 266, fig. 111; no. 852 (suppl.), p. ii, fig. 107 (1903).

*Cupressus pisifera* var. *Sanderi* Dallimore & Jackson, Handb. Conif. 219 (1923), nom. tentat.

- Juniperus sabina* Unger in Anon. in Gartenwelt, **33**: 290, fig. (1929).
- Juniperus sabina* Sanderi Anon. in op. cit. 291 (1929), pro syn.
- C. pisifera** (Sieb. & Zucc.) Endlicher, Syn. Conif. 64 (1847).—Wilson, Conif. Taxads Jap. 78, t. 56, 57 (1916).
- Retinispora pisifera* Siebold & Zuccarini, Fl. Jap. **2**: 39, t. 122 [1844].
- ?*Retinispora acuta* C. de Vos, Bered. Woordenb. Heest. Conif. 183 (1867), nom. subnud.
- Cupressus pisifera* (Sieb. & Zucc.) K. Koch, Dendr. **2,2**: 170 (1873).
- Chamaecyparis pisifera*  $\alpha$ . *typica* Regel, Russk. Dendr. ed. 2, 26 (1883).
- C. pisifera f. aurea** (Gord.), grad. nov.
- Retinispora pisifera aurea* Gordon, Pinet. Suppl. 94 (1862).
- Chamaecyparis pisifera aurea* (Fort.) Henkel & Hochstetter, Syn. Nadelh. 255 (1865).
- Retinispora aurea* Vos, Bered. Woordenb. Heest. Conif. 183 (1867).
- Cupressus pisifera* var. *aurea* Lavallée, Arb. Segrez. 280 (1877).—Kent, Veitch's Man. Conif. 225 (1900).
- C. pisifera f. sulphurea** (Kent), grad. nov.
- Cupressus pisifera* var. *sulphurea* Kent, l. c. (1900).
- Chamaecyparis pisifera sulphurea* Hesse ex Schelle, Winterh. Nadelh. Mitteleur. 297 (1909).—Rehder in Bailey, Cult. Evergr. 214 (1923) "var."
- C. pisifera f. filifera** [Sénéclauze] Voss, Vilmor. Blumen-gärt. **1**: 1228 (1896).—Lipa, Dendrofl. U. R. S. R. **1**: 153, fig. 49 (1939).
- ?*Chamaecyparis pendula* Maximowicz in Bull. Acad. Sci. St. Pétersb. **10**: 489 (in Mém. Biol. **6**: 25) (1866).
- Chamaecyparis filifera* Veitch ex Sénéclauze, Conif. 54 (1868).
- Retinispora pisifera filiformis* R. Smith, Pl. Fir Tribe, 39 [1874?].
- Retinispora filifera* Standish ex Gordon, Pinet. ed. 2, 364 (1875).
- Chamaecyparis pisifera* var. *filifera* (Veitch) Hartwig & Rümpler, Bäume Sträuch. 661 (1875).
- Cupressus pisifera* var. *filifera* (Standish) Lavallée, Arb. Segrez. 280 (1877).—Masters in Jour. Hort. Soc. Lond. **14**: 207 (1892).—Kent, Veitch's Man. Conif. 226 (1900) "var."
- Thuja pisifera* var. *filifera* Masters in Jour. Linn. Soc. Lond. Bot. **18**: 491, fig. 3 (1881).
- Chamaecyparis pisifera*  $\gamma$ . *filicoides* Regel, Russk. Dendr. ed. 2, 27 (1883).
- Chamaecyparis pisifera* var. *filiformis* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 454 (1884).
- Cupressus pisifera* f. *pendula* (Maxim. ex Hance) Masters in Jour. Linn. Soc. Lond. Bot. **31**: 356 (1896), cf. p. 355.
- Chamaecyparis pisifera* var. *pendula* Zederbauer in Sitzber. Math.-Nat. Kl. Akad. Wiss. Wien, **116**: 1942 (1907).
- Chamaecyparis pisifera* var. *filifera pendula* Nash in Jour. New York Bot. Gard. **18**: 167 (1917).
- C. pisifera "filifera aurea"** (Beissn.) Rehder, Man. Cult. Trees Shrubs, 19 (1927).
- Chamaecyparis pisifera filifera aurea* Hort. ex Beissner, Handb. Nadelh. 91 (1891), non *Ret. pisifera aurea* Gord. (1862).
- Cupressus pisifera* var. *filifera aurea* Kent, Veitch's Man. Conif. 226 (1900).
- Chamaecyparis filifera aurea* Nicholson, Ill. Dict. Gard. Cent. Suppl. 221 (1900).
- Chamaecyparis pisifera* var. *filifera pendula aurea* Nash in Jour. New York Bot. Gard. **18**: 167 (1917).
- Chamaecyparis pisifera* var. *filifera aurea* Hornibrook, Dwarf Conif. 47 (1923).—Lipa, Dendrofl. U. R. S. R. **1**: 153 (1939) "f. *filifera aurea*."
- C. pisifera "filifera aureo-variegata"** Beissner Handb. Nadelh. ed. 2, 572 (1909).—Voss, Vilmor. Blumen-gärt. **1**: 1228 (1896) "f. *filifera aureo-variegata*."
- C. pisifera f. plumosa** [Carr.] Beissner, Syst. Eintheil. Conif. **13** (1887) "(f.)."—Masters in Jour. Linn. Soc. Lond. Bot. **31**: 356 (1896).
- Chamaecyparis obtusa plumosa* Carrière, Traité Conif. ed. 2, 791 (1867).
- Chamaecyparis pisifera* var. *plumosa* E. O[tto] in Ham-burg. Gart.- & Blumenzeit. **24**: 141 (1868).
- Retinispora plumosa* Gordon, Pinet. ed. 2, 371 (1875). Kent in Veitch's Man. Conif. 248 (1881).
- Cupressus obtusa* var. *plumosa* (Hort.) Lavallée, Arb. Segrez. 280 (1877).
- Thuja pisifera* var. *plumosa* Masters in Jour. Linn. Soc. Lond. Bot. **18**: 490, fig. 2 (1881).
- Cupressus pisifera* f. *plumosa* Masters in op. cit. **31**: 356 (1896).
- C. pisifera "plumosa argentea"** [Sénécl.] [Otto] in Hamburg. Gart.- & Blumenzeit. **29**: 202 (1873).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 167 (1913) "var. *plumosa* f. *argentea*."—Non *C. pisifera argentea* Henk. & Hochst. (1865).
- Chamaecyparis plumosa argentea* Sénéclauze, Conif. 57 (1868).
- Retinispora plumosa argentea* Fort. ex [Otto in] Ham-burg. Gart.- & Blumenzeit. **29**: 202 (1873), pro syn.—Hort. ex Gordon, Pinet. ed. 2, 371 (1875).
- Cupressus obtusa* var. *plumosa argentea* Lavallée, Arb. Segrez. 281 (1877).
- Chamaecyparis obtusa plumosa argentea* Nicholson, Ill. Dict. Gard. **1**: 304 [1884].
- Cupressus pisifera plumosa argentea* Webster, Hardy Conif. Trees, 45 (1896).
- C. pisifera "plumosa aurea"** Hort. ex [Otto in] Ham-burg. Gart.- & Blumenzeit. **29**: 202 (1873).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 167 (1913) "var. *plumosa* f. *aurea*."—Lipa, Dendrofl. U. R. S. R. **1**: 153 (1939) "f. *p. a.*"—Non *C. pisifera aurea* Gord. (1862).
- Retinispora plumosa aurea* R. Smith, Pl. Fir Tribe, 39 [1874?].—Gordon, Pinet. ed. 2, 370 (1875).
- Cupressus obtusa* var. *plumosa aurea* Lavallée, Arb. Segrez. 281 (1877).
- Cupressus pisifera plumosa aurea* Webster, Hardy Conif. Trees, 45 (1896).
- C. pisifera "plumosa flavescens"** Beissner in Jäger & Beissner, Ziergeh. ed. 2, 454 (1884) "var."—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 167, fig. 170 (1913) "var. *plumosa* f. *f.*"—Non *Ch. pisifera flavescens* (Hort.) Carrière, Traité Conif. ed. 2, 134 (1867).
- Cupressus pisifera plumosa flavescens* [Masters] in Kew Hand-list Conif. ed. 2, 45 (1903).—Camus, Cyprès, 84 (1914).
- C. pisifera f. squarrosa** [Zuccarini] Beissner & Hochstetter ex Beissner, Syst. Eintheil. Conif. **13** (1887) "(f.)."
- Retinispora squarrosa* Zuccarini in Siebold & Zuccarini, Fl. Jap. **2**: 40, t. 123 [1844].—Carrière, Traité Conif. ed. 2, 138 (1867) "*Retinispora*."

**Chamaecyparis pisifera f. squarrosa** (*continued*)

*Chamaecyparis squarrosa* (Sieb. & Zucc.) Endlicher, Syn. Conif. 65 (1847).

*Chamaecyparis ericoides* Carrière, Traité Conif. 140 (1855), p. p.; ed. 2, 138 (1867), pro syn. sub *Ret. squarrosa*.

*Cupressus squarrosa* Lawson ex Gordon, Pinet. 296 (1858), pro syn. — K. Koch, Dendrol. 2,2: 171 (1873).

*Retinispora ericoides* Zuccarini ex Gordon, Pinet. Suppl. 91 (1862).

*Retinispora obtusa* var. *ericoides* Hoopes, Book Evergr. 358 (1868), p. p.

*Thuya pisifera* var. *squarrosa* Masters in Jour. Linn. Soc. Lond. Bot. 18: 490 (1881).

*Chamaecyparis pisifera* var. *squarrosa* Beissner & Hochstetter ex Hochstetter, Conif. 81 (1882), p. p. — Regel, Russk. Dendr. ed. 2, 27 (1883) "e. *squarrosa*."

*Cupressus pisifera* a. *squarrosa* Sieb. & Zucc. ex Masters in Jour. Hort. Soc. Lond. 14: 207 (1892); in Jour. Linn. Soc. Lond. Bot. 31: 356 (1896) "f. *sq.*" — Kent, Veitch's Man. Conif., ed. 2, 227, fig. 69 (1900) "var."

**C. pisifera f. leptoclada** (Endl.), grad. nov.

?*Retinispora squarrosa* var. *Zuccarini* ex Siebold & Zuccarini, Fl. Jap. 2: 41 (1844) "à branches et à feuilles très minces."

*Chamaecyparis squarrosa* γ. *leptoclada* Endlicher, Syn. Conif. 65 (1847).

?*Retinispora squarrosa leptoclada* Sieb. ex Gordon, Pinet. 297 (1858).

*Retinispora leptoclada* Zucc. ex Gordon, Pinet. Suppl. 91 (1862). — Carrière, Traité Conif. ed. 2, 139 (1867) "*Retinospora*"

*Chamaecyparis leptoclada* Henkel & Hochstetter, Syn. Nadelh. 257 (1865).

*Cupressus pisifera* var. *leptoclada* Masters in Jour. Linn. Soc. Lond. Bot. 18: 490 (1881).

*Chamaecyparis pisifera* var. *squarrosa* Beissner & Hochstetter in Hochstetter, Conif. 81 (1882), p. p. — Beissner, Handb. Nadelh. 85 (1891), p. p.

*Retinispora squarrosa Veitchii* C. de Vos, Handb. Boom. Heest. 252 (1885), pro syn. sub *Ret. leptoclada*.

*Chamaecyparis pisifera* var. *leptoclada* (Mast.) Matsu-mura, Index Pl. Jap. 2 (Phan. 1): 8 (1905).

*Chamaecyparis pisifera* var. *pseudosquarrosa* Nash in Jour. New York Bot. Gard. 18: 168 (1917), nom.

*Chamaecyparis pisifera squarrosa Veitchii* Nash, l. c. (1917), pro syn.

**C. pisifera "squarrosa sulphurea"** Beissner in Mitt. Deutsch. Dendr. Ges. 1903(12): 52 (1903), non *Cupr. pisifera sulphurea* Kent (1900).

*Cupressus pisifera* var. *squarrosa sulphurea* [Masters] in Kew Hand-list Conif. 47 (1896), nom.

*Chamaecyparis squarrosa sulphurea* Nicholson, Ill. Dict. Gard. Suppl. 222 (1900).

*Chamaecyparis pisifera squarrosa Veitchii sulphurea* Hort. ex Schelle, Winterh. Nadelh. 299 (1909), pro syn.

**C. pisifera f. minima** (Hornibr.), grad. nov.

*Chamaecyparis pisifera* var. *squarrosa minima* Hornib-rook, Dwarf Conif. 49 (1923).

**JUNIPERUS** Linnaeus, Sp. Pl. 1038 (1753); Gen. Pl. ed. 5, 461, no. 1005 (1754). — Bentham & Hooker f., Gen. Pl. 3: 427 (1890).

LECTOTYPUS: *J. communis* L.

Sect. I. CARYOCEDRUS Endlicher, Syn. Conif. 8 (1847). *Arceuthos* Antoine & Kotschy in Oester. Bot. Wochenbl. 4: 249 (1854).

**J. drupacea** Labillardière, Icon. Pl. Syr. 2: 14 (1791).

*Arceuthos drupacea* (Labill.) Antoine & Kotschy, l. c. (1854). — Antoine, Cupress.-Gatt. 3, t. 1-5 (1857).

*Juniperus Oxycedrus* b. *drupacea* Audibert, Cat. 17 (1817).

Sect. II. OXYCEDRUS Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 288 (1841).

**J. Oxycedrus** Linnaeus, Sp. Pl. 1038 (1753). — Parlatore in De Candolle, Prodr. 16,2: 477 (1868). — Komarov, Fl. S. S. S. R. 1: 182 (1934).

*Juniperus glauca* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).

*Juniperus rufescens* Link in Flora, 24: 579 (1846), nom. subnud.

*Juniperus Wittmanniana* Fischer ex Lindley in Jour. Hort. Soc. Lond. 5: 200 (1850), pro syn.

*Juniperus Oxycedrus* var. *Wittmanniana* Hort. ex Carrière, Traité Conif. 14 (1855).

*Juniperus Marschalliana* Steven in Bull. Soc. Nat. Mos-cou, 29,1: 244 (1856), nom. subnud.; 30,1: 397 (1857).

*Juniperus rhodocarpa* Steven, l. c. (1857).

*Juniperus Oxycedrus* b. *J. rufescens* Ascherson & Grab-ner, Syn. Mitteleur. Fl. 1: 248 (1897). — Fitschen in Beissner, Handb. Nadelh. ed. 3, 586 (1930) "subsp. *r.*"

**J. macrocarpa** Sibthorp & Smith, Fl. Graec. Prodr. 2: 263 (1813). — Parlatore in De Candolle, Prodr. 16,2: 476 (1868).

*Juniperus Oxycedrus* β. Lamarck, Encycl. Méth. Bot. 2: 625 [1788].

*Juniperus communis* e. *macrocarpa* Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 290 (1841).

*Juniperus Lobelii* Gussone, Fl. Sicul. Syn. 2: 635 (1844).

*Juniperus Bisoletti* Link in Flora, 29: 579 (1846), nom.; in Atti Riun. Sci. Ital. (Napoli) 7: 878 (1846); vix Antoine, Cupress.-Gatt. 21, t. 28, 29 (1857).

*Juniperus Willkommii* Antoine, Cupress.-Gatt. 9, t. 7, 9 (1857).

*Juniperus sphaerocarpa* Antoine, op. cit. 11, t. 10, 11 (1857).

*Juniperus neaboriensis* Lawson ex Gordon, Pinet. 96 (1858), pro syn.

*Juniperus Attica* Orphanides in Heldreich, Nutzpfl. Grie-chenl. 13 (1862), nom.

*Juniperus Oxycedrus* subsp. *macrocarpa* (Sibth. & Sm.) Neilreich in Verh. Zool.-Bot. Ges. Wien, 1868 (Beil.): Veget. Croat. 52 (1868).

*Juniperus major* Dioscorides ex Bubani, Fl. Pyren. 1: 44 (1897).

**J. formosana** Hayata in Jour. Coll. Sci. Tokyo, 25,19: 209, t. 38 (Fl. Mont. Formos.) (1908). — Wilson in Jour. Arnold Arb. 7: 63 (1926).

*Juniperus taxifolia* Parlatore in De Candolle, Prodr. 16,2: 481 (1868), non Hooker & Arnott (1841).

*Juniperus Mairei* Lemée & Léveillé in Monde des Pl. sér. 2, 16: 20 (1914).

**J. rigida** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,3: 233 (Fl. Jap. Fam. Nat. 2: 109) (1846). — Wilson, Conif. Taxads Jap. 82, t. 58 (1916).

*Juniperus communis* sensu Thunberg, Fl. Jap. 264 (1784), non Linnaeus (1753).

**J. conferta** Parlatore, Conif. Nov. 1 (1863); in De Can-dolle, Prodr. 16,2: 481 (1868). — Wilson, Conif. Tax-ads Jap. 83, t. 59 (1916).

*Juniperus litoralis* Maximowicz in Bull. Acad. Sci. St.



- Pétersb. sér. 3, 12: 230 (in Mém. Biol. 6: 375) (1868).  
*Juniperus rigida* var. *conferta* (Parl.) Patschke in Bot. Jahrb. 48: 678 (1913).
- J. communis** Linnaeus, Sp. Pl. 1040 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 241 (1897); ed. 2, 1: 376 (1913).  
*Juniperus difformis* Gilibert, Exerc. Phytol. 2: 216 (1792).  
*Juniperus borealis* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).  
*Juniperus communis* a. *erecta* Pursh, Fl. Am. Sept. 2: 646 (1914).  
*Juniperus communis* β. *arborescens* Gaudin, Fl. Helv. 6: 310 (1830).  
*Juniperus communis* α. *vulgaris* Endlicher, Syn. Conif. 15 (1847).  
*Juniperus communis* β. *hispanica* Endlicher, l. c. (1847).  
*Juniperus communis* a. *genuina* Formanek, Květ. Morav. Slezska, 1: 66 (1887).  
*Juniperus vulgaris* Tragus ex Bubani, Fl. Pyren. 1: 45 (1897). — Nieuwland in Am. Midland Nat. 2: 285 (1912).  
*Juniperus communis* var. *typica* Fomin in Jaczewski, Mém. Biol. Borodine Jubilé, 363 (1927).
- J. communis f. aurea** (Carr.), grad. nov.  
*Juniperus communis variegata aurea* Carrière, Traité Conif. 19 (1867).  
*Juniperus communis* (f.) *aureo-variegata* Beissner, Syst. Eintheil. Conif. 19 (1887), nom.; Handb. Nadelh. 138 (1891).  
*Juniperus communis aurea variegata* Schöber, Pinet. Schöber. 12 (1892).  
*Juniperus communis aureus* Nicholson, Ill. Gard. Dict. Suppl. 455 (1900). — [Masters] in Kew Hand-list Conif. ed. 2, 25 (1903) "var. *aurea*."
- J. communis f. suecica** (Mill.) Beissner, Syst. Eintheil. Conif. 18 (1887) "(f.)" — Voss, Vilmor. Blumengärt. 1: 1228 (1896). — R. E. Fries in Act. Hort. Berg. 6, 1 (3,3): t. 52 (1918).  
*Juniperus suecica* Miller, Gard. Dict. ed. 8, J. no. 2 (1768).  
*Juniperus communis* β. *suecica* Aiton, Hort. Kew. 3: 414 (1789).  
*Juniperus communis* β. *fastigiata* Parlatores in De Candolle, Prodr. 16, 2: 479 (1868).  
*Juniperus Withmanniana* Hort. ex Carrière, Traité Conif. ed. 2, 18 (1867), pro syn.  
*Juniperus communis* A. II. b. *vulgaris* 2. *suecica* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 244 (1897).
- J. communis f. stricta** (Carr.), grad. nov.  
*Juniperus hibernica* Lodd. Cat. 1836 ex Loudon, Arb. Brit. 4: 2490 (1838), nom.  
*Juniperus communis* A. *stricta* Carrière, Traité Conif. 22 (1855). — Antoine, Cupress.-Gatt. 27 (1857) "var. γ."  
*Juniperus communis hibernica* [Knight & Perry, Syn. Conif. 11 [1850?], nom. —] Lodd. ex Gordon, Pinet. 94 (1858). — Beissner, Syst. Eintheil. Conif. 19 (1887) "(f.)" — Voss, Vilmor. Blumengärt. 1: 1228 (1896) "f."  
*Juniperus pyramidalis* Hort. ex Gordon, Pinet. 94 (1858), pro syn.  
*Juniperus stricta* Hort. ex Gordon, l. c. (1858), pro syn.  
*Juniperus communis* A. II. b. *vulgaris* 3. *hibernica* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 244 (1897).
- J. communis f. pendula** [Carr.] Formanek in Oester. Bot. Zeitschr. 38: 244 (1888).
- Juniperus communis* v. *reflexa* β. *pendula* Carrière, Traité Conif. 23 (1855), non var. *oblonga pendula* Loud. (1838).  
*Juniperus communis* γ. *reflexa* Parlatores in De Candolle, Prodr. 16, 2: 479 (1868).  
*Juniperus Wittmanniana* Stev. exsicc. ex Parlatores, l. c. (1868), pro syn.  
*Juniperus communis* var. *pendula* Ascherson ex Fiek, Fl. Schles. 534 (1881). — Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 244 (1897) "A. II. b. *vulgaris* 4. p."  
*Juniperus communis pendens* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 101 (Nomencl. Arb. Fl. U. S.) (1897).
- J. communis f. oblongo-pendula** [Van Geert] Beissner, Syst. Eintheil. Conif. 19 (1887).  
*Juniperus communis* var. 5. *oblonga pendula* Loudon, Arb. Brit. 4: 2490, fig. 2345 (1838).  
*Juniperus oblongo-pendula* Van Geert [ex K. Koch] in Wochenschr. Ver. Beförd. Gartenb. Preuss. 6: 120 (1863).  
*Juniperus oblonga pendula* (Loud.) Carrière, Traité Conif. ed. 2, 20 (1867).  
*Juniperus communis oblongo-pendula* (Loud.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 100 (Nomencl. Arb. Fl. U. S.) (1897). — Kauffman in Am. For. 35: 576, fig. (1929).
- J. communis f. compressa** (Carr.), grad. nov.  
*Juniperus communis hibernica compressa* Knight & Perry, Syn. Conif. 11 (1850), nom. — Carrière in Jacques & Herincq, Man. Pl. 4: 309 (1857) "*hybernica*." — [Nelson], Pinac. 145 (1866).  
*Juniperus communis* α. *compressa* Carrière, Traité Conif. 22 (1855). — Antoine, Cupress.-Gatt. 27, t. 41 (1857) "δ." — Gordon, Pinet. 94 (1858) "*J. c. c.*" — Hornibrook, Dwarf Conif. ed. 2, 114, t. (1939) "var."  
*Juniperus compressa* Hort. ex Carrière, Traité Conif. 22 (1855), pro syn.  
*Juniperus hibernica compressa* Gaeta in Bull. Soc. Tosc. Ort. 17: 213 (1892). — W. D. in Garden, 91: 730, fig. (1927).  
*Juniperus communis* B. II. a. *intermedia* 2. *compressa* Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 245 (1897).
- J. communis var. depressa** Pursh, Fl. Am. Sept. 2: 646 (1814) "β."  
*Juniperus canadensis* Burgsdorf, Anleit. Sich. Erzieh. Holzart. 2: 124 (1787).  
*Juniperus depressa* Rafinesque ex M'Murtrie, Florula Louisvill. (in his Sketches Louisville, 219. 1819) "*Juniperus depressus*." — Rafinesque, Med. Fl. 2: 13 (1830). — Nash in Jour. New York Bot. Gard. 18: 169 (1917).  
*Juniperus communis* var. 6. *canadensis* (Lodd.) Loudon, Arb. Brit. 4: 2490, fig. 2347 (1838).  
*Juniperus communis* var. 8. *depressa* (Pursh) Loudon, l. c. 2490 (1838).  
*Juniperus nana canadensis* Carrière, Traité Conif. ed. 2, 15 (1867). — Beissner in Jäger & Beissner, Ziergeh. ed. 2, 462 (1884) "var."  
*Juniperus communis* β. *depressa* (Stev.) Boissier, Fl. Or. 5: 707 (1884).  
*Juniperus communis* var. *intermedia* subvar. *depressa* (Pursh) Schröter in Ber. Schweiz. Bot. Ges. 13: 116 (1903).  
*Juniperus vulgaris* var. *depressa* (Pursh) Nieuwland in Am. Midland Nat. 2: 285 (1912).

**Juniperus** (continued)

**J. communis** f. **aureo-spica** (Rehd.) Lipa, Dendrofl. U. R. S. R. 1: 168 (1939).

*Juniperus nana canadensis aurea* Beissner, Handb. Nadelh. 133 (1891). — Rehder in Bailey, Cycl. Am. Hort. [2:] 848 (1900) "var. *canadensis aurea*." — Non *J. communis aurea* Nicholson (1900).

*Juniperus canadensis* var. *aurea* Nash in Jour. New York Bot. Gard. 16: 51 (1915).

*Juniperus communis* var. *aurea* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 3: 1727 (1915); non *J. communis aurea* Nicholson (1900).

*Juniperus depressa* var. *aurea* Nash in op. cit. 18: 170 (1917).

*Juniperus communis* var. *aureo-spica* Rehder in Bailey, Cult. Evergr. 199 (1923).

*Juniperus communis* var. *depressa aurea* Hort. Am. ex Hornibrook, Dwarf Conif. ed. 2, 109 (1939).

**J. communis** var. **saxatilis** Pallas, Fl. Ross. 1, 2: 12, t. 4, fig. A. (1788), in textu: "Fig. A. depingit var. *saxatilem dauuricam*." — Willdenow, Berlin. Baumz. 159 (1796); Sp. Pl. 4, 2: 854 [1806]; pro syn. — Baumgarten, Enum. Stirp. Transsilv. 2: 308 (1816), pro syn. — Spach in Ann. Sci. Nat. sér. 2, 16: 290 (1841), pro syn. — Suringar in Mitt. Deutsch. Dendr. Ges. 1927(38): 330 (1927). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 62 (1940).

*Juniperus communis* γ. Linnaeus, Sp. Pl. 1040 (1753).

*Juniperus sibirica* Burgsdorf, Anleit. Sich. Erzieh. Holzart. 124 (1787). — Komarov, Fl. S. S. R. 1: 181 (1934).

*Juniperus communis* β. Lamarck, Encycl. Méth. Bot. 2: 625 [1788].

*Juniperus communis* γ. *montana* Aiton, Hort. Kew. 3: 414 (1789). — Wilson, Conifer. Taxads Jap. 80 (1916) "var." — Lipa, Dendrofl. U. R. S. R. 1: 170 (1939) "f."

*Juniperus nana* Willdenow, Berlin. Baumz. 159 (1796); Sp. Pl. 4, 2: 854 [1806].

*Juniperus communis* γ. *alpina* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 278 (1805), nom. — Gaudin, Fl. Helv. 6: 301 (1830).

*Juniperus communis* var. α. *nana* (Schkh.) Baumgarten, Enum. Stirp. Trans. 2: 308 (1816). — Loudon, Arb. Brit. 4: 2486, fig. (1838). — Briquet, Prodr. Fl. Corse, 1: 43 (1910) "subsp. n."

*Juniperus alpina* S. F. Gray, Nat. Arr. Brit. Pl. 2: 226 (1821).

*Juniperus nana* A. *montana* Endlicher, Syn. Conif. 14 (1847). — Hayek, Fl. Steierm. 1: 88 (1908) "b. *montana*."

*Juniperus nana* B. *alpina* (Gaudin) Endlicher, l. c. (1847).

*Juniperus pygmaea* K. Koch in Linnaea, 22: 302 (1849).

*Juniperus sibirica* α. *montana* (Ait.) Beck in Blätt. Ver. Landes. Niederoestr. 1890: 78 (1890).

*Juniperus communis sibirica* (Burgsd.) Rydberg in Contrib. U. S. Nat. Herb. 3: 535 (1896).

*Juniperus rebunensis* Kudo & Suzuki, Med. Pl. Hokkaido, no. 6, t. 6 (1920). — Kudo in Jour. Agric. Hokkaido Univ. 12, 1: 19 (Contrib. Knowl. Fl. N. Saghal.) (1923).

?*Juniperus Niemannii* E. Wolf in Notul. Syst. Herb. Hort. Petrop. 3: 37 (1922); in Mitt. Deutsch. Dendr. Ges. 1922(32): 211 (1922).

*Juniperus communis* var. *prostrata* Hornibrook, Dwarf Conif. 68 (1923), ? non Formanek (1887).

*Juniperus communis* var. *nana prostrata* Hornibrook, op. cit. ed. 2, 110 (1939).

*Juniperus communis* var. *Hornibrookii* Grootendorst ex Hornibrook, Dwarf Conif. ed. 2, 111 (1939).

**J. communis** var. **Jackii** Rehder in Mitt. Deutsch. Dendr. Ges. 1907(16): 70 [1908]; in Repert. Sp. Nov. Reg. Ug. 7: 359 (1909).

**J. communis** var. **nipponica** (Maxim.) Wilson, Conif. Taxads Jap. 81 (1916).

*Juniperus nipponica* Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 12: 230 (Mél. Biol. 6: 374) (1868).

Sect. III. **SABINA** Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 291 (1841).

*Sabina* Miller, Garden Dict. abridg. ed. 4, 3 (1754). — Antoine, Cupress.-Gatt. 35 (1857).

*Juniperus-Sabina* Weston, Fl. Angl. 19 (1775).

*Abela* Salisbury in Jour. Sci. Arts, 2: 312 (1817), nom. subnud.

**J. recurva** Buchanan-Hamilton ex D. Don, Prodr. Fl. Nepal. 55 (1825).

*Sabina recurva* (Hamilt.) Antoine, Cupress.-Gatt. 67, t. 88-90 (1857).

**J. Coxii** A. B. Jackson in New Fl. & Silva, 5: 33, fig. 13, 14 (1932).

**J. squamata** Buchanan-Hamilton ex Lambert, Descr. Pinus, 2: 17 (1824). — Wilson in Jour. Arnold Arb. 7: 64 (1926).

*Juniperus religiosa* Royle, Ill. Bot. Himal. 1: 351 (1839), nom.

*Juniperus Lambertiana* Wallich mss. ex Endlicher, Syn. Conif. 19 (1847), pro syn.

*Juniperus rigida* Wallich mss. ex Endlicher, l. c. (1847), pro syn.

*Juniperus recurva densa* Hort. ex Knight & Perry, Syn. Conif. 12 (1850), nom. — Carrière, Traité Conif. 27 (1855).

*Sabina recurva* var. β. *densa* (Carr.) Antoine, Cupress.-Gatt. 67 (1857).

*Sabina squamata* (Don) Antoine, Cupress.-Gatt. 66, t. 89-90 (1857), p. p.

*Juniperus densa* Gordon, Pinet. Suppl. 32 (1862).

*Juniperus recurva* β. *squamata* (Hamilt.) Parlatore in De Candolle, Prodr. 16, 2: 482 (1868).

*Juniperus morrissonicola* Hayata in Gard. Chron. ser. 3, 43: 194 (1908).

*Juniperus Franchetiana* Léveillé, Cat. Pl. Yun-Nan, 57 (1916), nom. subnud. — Komarov in Notul. Syst. Herb. Hort. Bot. Reip. Ross. 5: 30 (1924); cf. Rehder in Jour. Arnold Arb. 17: 56 (1936).

**J. squamata** f. **prostrata** (Hornibr.), grad. nov.

*Juniperus squamata* var. *prostrata* Hornibrook, Dwarf Conif. 77 (1923). — Teuscher in New Fl. & Silva, 8: 193, fig. 66 (1936).

**J. squamata** var. **Fargesii** Rehder & Wilson in Sargent, Pl. Wilson. 2: 59 (1914).

*Juniperus Fargesii* Komarov in Herb. Paris ex Rehder & Wilson, l. c. (1914), pro syn. — Komarov in Notul. Syst. Herb. Hort. Bot. Reip. Ross. 5: 30, fig. 2 (1924).

*Juniperus Lemeeana* Léveillé & Blin in Léveillé, Fl. Kouy-Tchéou, 111 (1914).

**J. squamata** f. **Wilsonii** Rehder in Jour. Arnold Arb. 1: 191 (1920); in Bailey, Cult. Evergr. 200 (1923) "var."; Man. Cult. Trees Shrubs, ed. 2, 63 (1940) "var."

**J. squamata** var. **Meyeri** Rehder in Jour. Arnold Arb. 3: 207 (1922).

- J. procumbens** [Endl.] Miquel in Siebold & Zuccarini, Fl. Jap. 2: 59, t. 127, fig. III (1870).—Wilson, Conif. Taxads Jap. 83 (1916).  
*Juniperus procumbens* Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. 1844: 31 (Naamlist) (1844), nom.  
*Juniperus chinensis* B. *procumbens* (Sieb.) Endlicher, Syn. Conif. 21 (1847).
- J. phoenicea** Linnaeus, Sp. Pl. 1040 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 387 (1912).  
*Juniperus terminalis* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).  
*Sabina phoenicia* (L.) Antoine, Cupress.-Gatt. 42, t. 57 (1857).
- J. pachyphlaea** Torrey in U. S. Rep. Explor. Surv. Railr. Mississippi Pacif. Oc. 4: 142 (1856).—Sargent, Silva N. Am. 10: 85, t. 520 (1896).—Beissner, Handb. Nadelh. 130 (1891) "*pachyphloea*."  
*Sabina pachyphlaea* (Torr.) Antoine, Cupress.-Gatt. 39 (1857).
- J. pachyphlaea** f. *ericoides* Barbier ex Beissner in Mitt. Deutsch. Dendr. Ges. 1910(19): 139 [1911] "*pachyphloea* (f.)."—Mottet in Rev. Hort. n. ser., 14: 343, fig. 106 (1914) "*pachyphloea* e."
- J. utahensis** (Engelm.) Lemmon in Bienn. Rep. Calif. State Board For. 3: 183 (1890).—Sargent, Silva N. Am. 10: 81, t. 518 (1896).—Brush in Am. For. 51: 602, 6 fig. (1945).  
*Juniperus californica* var. *utahensis* Vasey in Rep. U. S. Dept. Agric. 1875: 185 (Cat. For. Trees U. S. 37) (1876) "*Californicus* var. *Utahense*," nom. subnud.—Engelmann in Trans. Acad. Sci. St. Louis 3: 588 (1877).  
*Juniperus occidentalis* var. *utahensis* (Engelm.) Kent, Veitch's Man. Conif. 289 (1881).  
*Sabina utahensis* (Engelm.) Rydberg in Bull. Torrey Bot. Club, 32: 598 (1905).
- J. utahensis** var. *megalocarpa* (Sudw.) Sargent in Bot. Gaz. 67: 208 (1919).  
*Juniperus megalocarpa* Sudworth in Forestry & Irrig. 13: 307, fig. 1, 2 (1907).
- J. Pinchotii** Sudworth in op. cit. 11: 203, fig. 1-4 (1905).
- J. occidentalis** Hooker, Fl. Bor.-Am. 2: 166 (1838).—Sargent, Silva N. Am. 10: 87, t. 521 (1896).  
*Chamaecyparis Boursieri* Decaisne in Bull. Soc. Bot. France, 1: 70 (1854).  
*Juniperus occidentalis* var. *a. pleiosperma* Engelmann in Trans. Acad. Sci. St. Louis, 3: 590 (1877).  
*Juniperus Pseudocupressus* Dieck, Neuheit.-Off. Nat.-Arb. Zösch. 1899: 8 (1899).—Beissner in Mitt. Deutsch. Dendr. Ges. 1899(8): 102 (1899); 1908(17): 61 [1909].—Sághy in Kertez. Lap. 45: 166, fig. 89 (1931).  
*Juniperus occidentalis* var. *Dieckii* Boller ex Beissner in Mitt. Deutsch. Dendr. Ges. 1899(8): 103 (1899), pro syn.  
*Sabina occidentalis* (Hook.) Heller in Muhlenbergia, 1: 47 (1904).
- J. occidentalis** f. *Robinsoni* O. V. Matthews in Am. For. (Jour. For.) 43: 756, fig. 1 (1945) "*robinsoni*."
- J. monosperma** (Engelm.) Sargent, Silva N. Am. 10: 89, t. 522 (1896).  
*Juniperus occidentalis* var. *monosperma* Engelmann in Trans. Acad. Sci. St. Louis, 3: 590 (1877).
- Juniperus californica* Carr. var. *monosperma* (Engelm.) Lemmon, Handb. W. Am. Cone-bear. 17 (1892).  
*Sabina monosperma* (Engelm.) Rydberg in Torrey Bot. Club, 32: 598 (1905).  
*Juniperus mexicana* var. *monosperma* (Engelm.) Cory in Rhodora, 38: 183 (1936).
- J. monosperma** f. *gymnocarpa* (Lemmon) Rehder in Jour. Arnold Arb. 7: 239 (1926).  
*Juniperus occidentalis* var. (c) *gymnocarpa* Lemmon, Handb. W. Am. Cone-bear. ed. 3, 80 (1895).  
*Juniperus gymnocarpa* (Lemmon) Cory in Rhodora, 38: 184 (1936).
- J. Ashei** Buchholz in Bot. Gaz. 90: 329 (1930).—I. M. Johnston in Jour. Arnold Arb. 24: 33 (1943).—Little in Am. Jour. Bot. 31: 593 (1944).  
*Juniperus occidentalis* var. *Texana* Vasey, Rep. U. S. Dept. Agric. 1875: 185 (Cat. For. Trees U. S. 37) (1876).  
*Juniperus occidentalis* var. *conjungens* Engelmann in Trans. Acad. Sci. St. Louis, 3: 590 (1877).  
*Juniperus tetragona* var. *oligosperma* Engelmann in op. cit. 591 (1877).  
*Juniperus sabinoides* sensu Sargent, Silva N. Am. 10: 91, t. 523 (1896), p. p., non Grisebach (1844), nec. Nees (1847).  
*Sabina sabinoides* Small, Fl. Southeast. U. S. 33 (1903), non *Cupressus sabinoides* Humboldt, Bonpland, Kunth (1817).  
*Juniperus mexicana* sensu Sargent, Man. Trees N. Am. ed. 2, 87, fig. 86 (1922).—Hopkins in Rhodora, 40: 425 (1938).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 64 (1940).—Non Sprengel (1826).
- J. Wallichiana** [Hooker f. & Thomson ex Parlatores in De Candolle, Prodr. 16,2: 482 (1868), pro syn.] Brandis, For. Fl. India, 537 (1874).  
*Juniperus indica* Bertoloni in Mem. Accad. Sci. Bologna, ser. 2, 1: 228, t. 1 (Miscell. Bot. 23: 16, t. 1) (1862), descr. et t. ineptae.  
*Juniperus Pseudosabina* sensu Parlatores in De Candolle, Prodr. 16,2: 482 (1868), p. p.—Hooker f., Fl. Brit. Ind. 5: 646 (1888).—Non Fischer & Meyer (1842).  
*Sabina Wallichiana* (Brandis) Komarov in Notul. Syst. Herb. Hort. Bot. Reip. Ross. 5: 26 (1924), nom. altern.
- J. pseudosabina** Fischer & Meyer, Ind. Sem. Hort. Petrop. 8: 65 (1842).—E. Wolf, Khvoynye Derev. Kust. C. C. C. R. 37, fig. 12 (1925).  
*Sabina Fischeri* Antoine, Cupress.-Gatt. 53, t. 71A-E, 73 (1859).
- J. saltuaria** Rehder & Wilson in Sargent, Pl. Wilson. 2: 61 (1914).
- J. glaucescens** Florin in Meddel. Göteborg. Bot. Trädg. 3: 5, t. 4, fig. 1-2 (1927).
- J. distans** Florin in op. cit. 3: 6, t. 3, fig. 1-2 (1927).
- J. tibetica** Komarov in Notul. Syst. Herb. Hort. Bot. Reip. Ross. 5: 27, fig. 9 (1924).  
*Sabina tibetica* Komarov, l. c. (1924), nom. altern.
- J. thurifera** Linnaeus, Sp. Pl. 1039 (1753).—Parlatores in De Candolle, Prodr. 16,2: 487 (1868).  
*Juniperus hispanica* Miller, Gard. Dict. ed. 8, J. no. 13 (1768).  
*Juniperus foetida* f. *thurifera* (L.) Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 298 (1841).  
*Juniperus sabinoides* Endlicher, Syn. Conif. 24 (1847), p. p.  
*Sabina thurifera* (L.) Antoine, Cupress.-Gatt. 51 (1857).

**Juniperus** (continued)

- J. excelsa** Bieberstein, Beschreib. Länd. Flöss. Terek Kur, 204 (1800); Fl. Taur.-Cauc. 2: 425 (1808).—Komarov, Fl. S. S. S. R. 1: 185 (1934).  
*Juniperus Sabina* var. *Taurica* Pallas ex Bieberstein, l. c. (1800), pro syn.  
*Juniperus Sabina* var. *excelsa* Marsch. [Bieberstein] ex Georgi, Beschreib. Russ. Reich. 3: 1358 (1802).  
*Juniperus foetida* e. *excelsa* (Bieb.) Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 297 (1841).  
*Sabina excelsa* (Bieb.) Antoine, Cupress.-Gatt. 45, t. 59, 72 (1857).
- J. excelsa** f. *stricta* (R. Sm.), grad. nov.  
*Juniperus excelsa stricta* R. Smith, Pl. Fir Tribe, 19 (1874?).—Rollison ex Gordon, Pinet. ed. 2, 144 (1875).  
*Juniperus venusta* Hort. ex Gordon, l. c. (1875), pro syn.  
*Juniperus excelsa Perkinsii* [Masters in] Kew Hand-list Conif. 27 (1896), nom.—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 6: 1447 (1912).
- J. foetidissima** Willdenow, Sp. Pl. 4.2: 853 [1806].—Komarov, Fl. S. S. S. R. 1: 185 (1934).  
*Juniperus foetida* c. *squarrulosa* Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 300 (1841).  
*Juniperus sabinoideus* Grisebach, Spicileg. Fl. Rumel. 2: 352 (1844).  
*Sabina foetidissima* (Willd.) Antoine, Cupress.-Gatt. 49, t. 67, 68, 71 (1857).
- J. chinensis** Linnaeus, Mant. Pl. 127 (1767).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 60 (1914).  
*Juniperus cernua* Roxburgh, Fl. Ind. ed. 2, 3: 839 (1832).  
*Juniperus dimorpha* Roxburgh, l. c. (1832).  
*Juniperus chinensis* var. *Smithii* Loudon, Arb. Brit. 4: 2505, fig. 2374 (1838).  
*Juniperus Thunbergii* Hooker & Arnott, Bot. Beechey Voy. 271 (1838).  
*Juniperus flagelliformis* Hort. ex Loudon, Encycl. Trees Shrubs, 1090 (1842).  
*Juniperus chinensis* β. *japonica* Siebold in Jaarb. Ned. Maatsch. Aanmoed. Tuinb. 1844: 31 (Kruidk. Naaml.) (1844), nom. subnud.  
*Juniperus nepalensis* Hort. ex Endlicher, Syn. Conif. 21 (1847), pro syn.  
*Cupressus nepalensis* Hort. ex Endlicher, l. c. (1847), pro syn.  
*Juniperus Reevesiana* Hort. ex Endlicher, op. cit. 31 (1847), pro syn.  
*Juniperus sphaerica* Lindley in Paxton's Flow. Gard. 1: 58, fig. 35 (1850).  
*Juniperus struthiacea* Knight & Perry, Syn. Conif. 13 (1850?), nom.—Carrière, Traité Conif. 56 (1855).  
*Juniperus Fortunei* Hort. ex Carrière, Traité Conif. 11 (1855), pro syn.—Van Houtte ex Gordon, Pinet. 119 (1858) "*Fortunii*", pro syn.  
*Juniperus Cabiancae* Visiani in Mem. Istit. Venet. Sci. 6: 246, t. 1\*\* (1856).  
*Sabina sphaerica* (Lindl.) Antoine, Cupress.-Gatt. 52, t. 72 (1857), p. p.  
*Sabina chinensis* (L.) Antoine, op. cit. 54, t. 75, 76, fig. a, t. 78 (1857).  
*Sabina struthiacea* (Knight) Antoine, op. cit. 69 (1857).  
*Sabina dimorpha* Antoine, op. cit. 70 (1857).  
*Juniperus sinensis* Hort. ex Carrière, Traité Conif., ed. 2, 33 (1867), pro syn.—Voss in Mitt. Deutsch. Dendr. Ges. 1907(16): 89 [1908].

**J. chinensis** f. *variegata* (Maxw.), grad. nov.

- Juniperus sinensis variegata* Maxwell in Horticulturist, 29: 202 (1874).  
*Juniperus chinensis variegata* Fortune ex Gordon, Pinet. ed. 2, 159 (1875).  
*Juniperus chinensis albo-variegata* Kent, Veitch's Man. Conif. 288 (1881).  
*Juniperus* f. *chinensis argenteo-variegata* Beissner, Syst. Eintheil. Conif. 17 (1887), nom.; Handb. Nadelh. 120 (1891).
- J. chinensis** f. *aurea* [Young] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)"  
*Juniperus chinensis aurea* M. Young in Gard. Chron. 1872: 8, 1193 (1872).—Rollison ex Gordon, Pinet. ed. 2, 160 (1875).
- J. chinensis** f. *mas* (Gord.), grad. nov.  
*Juniperus chinensis mas* Gordon, Pinet. 116 (1858).  
*Juniperus chinensis mascula* Carrière, Traité Conif. ed. 2, 30 (1867).  
*Juniperus sphaerica* (?) *masculu* Carrière, op. cit. 33 (1867).  
*Juniperus chinensis neaboriensis* Beissner, Handb. Nadelh. ed. 2, 607 (1909).  
*Juniperus chinensis neaboracensis* Späth ex Jensen in Handelsbl. Deutsch. Gartenb. 26: 315, fig. (1911).
- J. chinensis** f. *pyramidalis* [Carr.] Beissner, Syst. Eintheil. Conif. 17 (1887), "(f.)"  
*Juniperus japonica pyramidalis* Carrière, Traité Conif. ed. 2, 32 (1867).  
*Juniperus chinensis* var. *japonica pyramidalis* Lavallée, Arb. Segrez. 290 (1877).  
*Juniperus japonica* sensu Sargent in Gard. & For. 10: 421 (1897), non Carrière (1855).  
*Juniperus chinensis* var. *japonica* Hort. ex Vilmorin, Hort. Vilmor. 58 (1906).—Wilson, Conif. Taxads Jap. 85 (1916) —Non Lavallée (1877).
- J. chinensis** f. *Pfitzeriana* (Späth), grad. nov.  
*Juniperus chinensis* var. *pendula* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 459 (1884), nom. subnud.—"Simon Louis, 1876" Gaujard ex Morel in Rev. Hort. 1889: 349 (1889) "*J. ch. p.*";—Non Franchet (1884).  
*Juniperus chinensis Pfitzeriana* Späth, Verzeich. no. 104: 142 (1899).—Beissner in Mitt. Deutsch. Dendr. Ges. 1899(8): 102 (1899).—Masters in Kew Hand-list Conif. ed. 2, 17 (1903) "var."  
*Sabina chinensis* var. *Pfitzeriana* Moldenke in Castanea, 9: 33 (1944).
- J. chinensis** f. *pendula* [Franch.] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)"  
*Juniperus chinensis* var. *pendula* Franchet in Nouv. Archiv. Mus. Hist. Nat. Paris, sér. 2, 7: 101 (Pl. David. 1: 291) (1884).
- J. chinensis** f. *globosa* (Hornibr.), grad. nov.  
*Juniperus chinensis* var. *globosa* Nash in Jour. New York Bot. Gard. 18: 168 (1917), nom.—Hornibrook, Dwarf Conif. 62 (1923); in Chittenden, Conif. Cult. Rep. Conif. Conf. 78, fig. 16 (1932).  
*Juniperus virginialis globosa* Yokohama Nurs. Co. Descr. Cat. 1921-22: 33 (1921), nom.
- J. chinensis** f. *aureo-globosa* (Rehd.), grad. nov.  
*Juniperus chinensis* var. *globosa aurea* Nash in Jour. New York Bot. Gard. 18: 168 (1917), nom.—Hornibrook, Dwarf Conif. 63 (1923) "*f. aurea*"; ed. 2, 95 (1939) "var. *globosa aurea*".—Non *J. chinensis aurea* Young (1872).

- Juniperus chinensis* var. *aureo-globosa* Rehder in Bailey, Cult. Evergr. 195 (1923).
- J. chinensis** f. *plumosa* (Hornibr.), grad. nov.  
*Juniperus chinensis* var. *plumosa* Hornibrook, Dwarf Conif. 66 (1923); ed. 2, 102 (1939).
- J. chinensis** var. "*plumosa aurea*" Hornibrook, Dwarf Conif. 66 (1923).  
*Juniperus japonica aurea* Carrière, Traité Conif. ed. 2, 32 (1867), non *J. chinensis aurea* Young (1872).  
*Juniperus chinensis japonica aurea* Nicholson, Ill. Dict. Gard. 2: 212 (1885).  
*Juniperus chinensis procumbens aurea* Beissner, Handb. Nadelh. 121 (1891).
- J. chinensis** f. *japonica* (Carr.) Lipa, Dendrofl. U. R. S. R. 1: 163 (1939).  
*Juniperus japonica* Hort. ex Carrière, Traité Conif. 33 (1855).  
*Juniperus chinensis* var. *japonica* Lavallée, Arb. Segrez. 290 (1877), p. p.; non Siebold (1844).  
*Juniperus chinensis* var. *nana* (Hort.) Lavallée, l. c. (1877), nom. — Hochstetter, Conif. 90 (1882).  
*Juniperus chinensis procumbens* sensu Beissner, Handb. Nadelh. 121 (1891), p. p., non Endlicher (1847).  
*Juniperus chinensis* var. *decumbens* Hornibrook, Dwarf Conif. 66 (1923), p. p.
- J. chinensis** f. *alba* (Gord.) Rehder in Jour. Arnold Arb. 6: 202 (1925) "var. *japonica* f. a."  
*Juniperus japonica alba* Standish ex Gordon, Pinet. ed. 2, 161 (1875).  
*Juniperus japonica argentea-variegata* R. Smith, Pl. Fir Tribe, 19 [1874?], non *J. chinensis argenteo-variegata* Beiss.  
*Juniperus chinensis procumbens albo-variegata* Beissner, Handb. Nadelh. 121 (1891).  
*Juniperus chinensis procumbens argenteo-variegata* Hort. ex Schelle, Winterh. Nadelh. Mitteleur. 320 (1909).  
*Juniperus chinensis* var. *decumbens albo-variegata* Hornibrook, Dwarf Conif. 66 (1923).
- J. chinensis** var. "*japonica aureo-variegata*" Masters ex Henry in Elwes & Henry, Trees Gt. Brit. Irel. 6: 1432 (1912).  
*Juniperus japonica* var. *aurea variegata* [Otto] in Hamburg. Gart.- & Blumenzeit. 29: 203 (1873).  
*Juniperus japonica* var. *aurea-variegata* R. Smith, Pl. Fir Tribe 19 [1874?]. — Webster, Conif. Trees, 78 (1918).  
*Juniperus chinensis procumbens aureo-variegata* Beissner, Handb. Nadelh. 121 (1891).  
*Juniperus japonica aureo-variegata* Uphof in Möller's Deutsch. Gärt.-Zeit. 26: 160 (1911).  
*Juniperus chinensis aureo-variegata* (Jap. form) Webster, Conif. Trees, 78 (1918).
- J. chinensis** var. *Sargentii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 6: 1432 (1912).  
*Juniperus procumbens* sensu Sargent in Gard. & For. 10: 421 (1897), non Miquel (1870).  
*Juniperus chinensis* var. *procumbens* sensu Takeda in Jour. Linn. Soc. Lond. Bot. 42: 486 (1914), non Endlicher (1847).  
*Juniperus Sargentii* Takeda ex Koidzumi in Bot. Mag. Tokyo, 33: (204) (1919). — Nakai in Bot. Mag. Tokyo, 44: 511 (1930).  
*Sabina Sargentii* (Takeda) Miyabe & Tatewaki in Trans. Sapporo Nat. Hist. Soc. 15: 128 (1938).
- J. virginiana** Linnaeus, Sp. Pl. 1039 (1753). — Sargent, Silva N. Am. 10: 93 t. 524 (1896).
- Juniperus caroliniana* Miller, Gard. Dict. ed. 8, J. no. 4 (1768).  
*Juniperus virginiana* var. *caroliniana* C. F. Ludwig, Neu. Wilde Baumz. 25 (1783). — Loudon, Arb. Brit. 4: 2495 (1838).  
*Juniperus arborescens* Moench, Meth. Pl. 699 (1794).  
*Juniperus fragrans* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).  
*Juniperus virginiana* \* *Hermannii* Persoon, Syn. Pl. 2: 632 (1807).  
*Juniperus Hermannii* Sprengel, Syst. Veg. 3: 908 (1826).  
*Juniperus foetida* n. *virginiana* (L.) Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 298 (1841).  
*Sabina virginiana* (L.) Antoine, Cupress.-Gatt. 61, t. 83, 84 (1857).
- J. virginiana** var. *crebra* Fernald & Griscom in Rhodora, 37: 133, t. 332 (1935). — Fassett in Am. Jour. Bot. 30: 469, fig. (1943). = ? f. *pyramidalis* (Carr.) Beiss.
- J. virginiana** f. *albo-spica* (Beiss.) Lipa, Dendrofl. U. R. S. R. 1: 167 (1939).  
*Juniperus virginiana* (f.) *albo-spica* Beissner, Syst. Eintheil. Conif. 18 (1887), nom.; Handb. Nadelh. 127 (1891) "*J. v. a.*"  
*Juniperus virginiana albo-spicata* Beissner, Handb. Nadelh. ed. 2, 597 (1909).
- J. virginiana** f. *variegata* (Laws.), grad. nov.  
*Juniperus virginiana* var. *variegata* Loudon ex Lawson, List Pl. Fir Tribe, 77 (1851). — Gordon, Pinet. 114 (1858).  
*Juniperus virginiana variegata alba* Hort. ex Carrière, Traité Conif. ed. 2, 47 (1867).  
*Juniperus virginiana alba variegata* Gordon, Pinet. ed. 2, 157 (1875).  
*Juniperus virginiana albo-variegata* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 467 (1884). — Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 204 (1913) "var. *variegata* f."
- J. virginiana** f. *glaucia* [Carr.] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)"  
*Juniperus virginiana* (c) *glaucia* (Hort.) ex Lindley & Gordon in Jour. Hort. Soc. Lond. 5: 202 (1850), nom. — Hort. ex Carrière, Traité Conif. 45 (1855).  
*Sabina virginiana* d. *glaucia* Antoine, Cupress.-Gatt. 62 (1857).
- J. virginiana** f. *elegantissima* (Hochst.), grad. nov.  
*Juniperus virginiana* var. *elegantissima* Hochstetter, Conif. 92 (1882).
- J. virginiana** f. *plumosa* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 204 (1913) "var. *tripartita* f."  
*Juniperus virginiana plumosa argentea* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 467 (1884).  
*Juniperus virginiana* (f.) *plumosa alba* Beissner, Syst. Eintheil. Conif. 18 (1887), nom.; Handb. Nadelh. 127 (1891). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 67 (1940).  
*Juniperus virginiana plumosa nivea* Beissner, Handb. Conif.-Ben. 40 (1887), nom.; Handb. Nadelh. 127 (1891).  
*Juniperus virginiana plumosa candida* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 95 (Nomencl. Arb. Fl. U. S.) (1897).  
*Juniperus virginiana* var. *plumosa* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 3: 1728 (1915); Man. Cult. Trees Shrubs, 14 (1927).

**Juniperus** (*continued*)

**J. virginiana f. pyramidalis** [Carr.] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)."

*Juniperus virginiana pyramidalis* Carrière, Traité Conif., ed. 2, 47 (1867).

*Juniperus virginiana pyramidiiformis* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 93 (Nomencl. Arb. Fl. U. S.) (1897).

*Juniperus virginiana cupressina* Jensen in Handelsbl. Deutsch. Gartenb. 26: 314, fig. (1911).

**J. virginiana f. venusta** (Ellw. & Barry), grad. nov.

*Juniperus venusta* Ellwanger & Barry, Descr. Cat. Orn. Trees, ed. 25: 58 (1882).

*Juniperus virginiana var. venusta* Hort. ex Rehder in Stand. Cycl. Hort. 3: 1729 (1915).

**J. virginiana f. Hilli** (D. Hill), grad. nov.

*Juniperus virginiana pyramidaformis Hilli* D. Hill, Hill's Evergr. 1924: 17, fig. (1924).—Slavin in Chittenden, Conif. Cult. Rep. Conif. Conf. 110 (1932) "*pyramidiiformis Hillii*".—Non *J. v. pyramidiiformis* Sudworth (1896).

*Juniperus virginiana var. pyramidiiformis* D. Hill ex Rehder in Bailey, Cult. Evergr. 205 (1923), non *J. v. pyramidiiformis* Sudw. (1896).

**J. virginiana f. Schottii** [Gord.] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)."—Voss, Vilmor. Blumengärt. 1: 1229 (1896).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 204 (1913) "var. *pyramidalis* f."

?*Juniperus Schottei* C. de Vos, Bered. Woordenb. Heest. Conif. 164 (1867).

*Juniperus Schollii* Hort. ex K. Koch, Dendr. 2,2: 140 (1873), pro syn.

*Juniperus virginiana Schottii* Hort. ex Gordon, Pinet. ed. 2, 157 (1875).—(Hort. Brit.) Lavallée, Arb. Segrez. 291 (1877) "var."

**J. virginiana f. Canaertii** (Sénécl.), grad. nov.

*Juniperus virginiana Canaertii* Hort. ex Sénéclauze, Conif. 99 (1868).

*Juniperus virginiana Cannarti* Hort. ex K. Koch, Dendr. 2,2: 140 (1873).—Beissner, Handb. Nadelh. 125 (1891).

*Juniperus Cannarti* Hort. ex Beissner, Handb. Conif.-Ben. l. c. (1887), pro syn.

**J. virginiana f. pendula** [Carr.] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)."

*Juniperus virginiana 4. pendula* Loudon, Hort. Brit. Suppl. 571 (1850), nom.—Hort. ex Carrière, Traité Conif. 45 (1855).

*Sabina virginiana var. e. pendula* Antoine, Cupress.-Gatt. 62 (1857).

**J. virginiana f. Chamberlainii** (Carr.) Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)."—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 204 (1913) "var. *pendula* f."

*Juniperus virginiana Chamberlainii* Knight & Perry, Syn. Conif. 12 (1850), nom.—Hort. ex Carrière, Traité Conif. 46 (1855) "*Chamberlainii*".

*Sabina virginiana var. i. Chamberlainii* Antoine, Cupress.-Gatt. 62 (1857).

**J. virginiana f. filifera** (D. Hill), grad. nov.

*Juniperus virginiana filifera* D. Hill, Price-list Fall 1924: 15 (1924), vel prius?—D. Hill ex Rehder in Bailey, Cult. Evergr. 205 (1923) "var."

**J. virginiana f. globosa** [Beiss.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 204, fig. 64 (1913) "var. *nana* f."

*Juniperus virginiana globosa* Hort. ex Beissner, Handb. Nadelh. 126 (1891).

**J. virginiana f. tripartita** [Sénéclauze] Beissner, Syst. Eintheil. Conif. 17 (1887) "(f.)."—Hort. ex Koehne, Deutsche Dendr. 54 (1893).

?*Juniperus tripartita* C. de Vos, Bered. Woordenb. Heest. Conif. 165 (1867).

*Juniperus virginiana tripartita* Longone ex Sénéclauze, Conif. 101 (1868).—R. Smith ex Gordon, Pinet. ed. 2, 157 (1875).

**J. virginiana f. Kosteri** (Beiss.) Lipa, Dendrofl. U. R. S. R. 1: 167 (1939).

*Juniperus virginiana var. Kosteri* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 466 (1884).—C. de Vos, Handb. Boom. Heest. Conif. 242 (1887).

*Juniperus virginiana (f.) Kosteriana* Beissner, Syst. Eintheil. Conif. 17 (1887), nom.; Handb. Nadelh. 126 (1891).

**J. virginiana f. reptans** (Beiss.), grad. nov.

?*Juniperus virginiana 5. horizontalis* Loudon, Hort. Brit. Suppl. 571 (1850), nom.—[Masters in] Kew Handlist Conif. 31 (1896), nom.

*Juniperus virginiana reptans* Hort. Jen. ex Beissner in Möller's Deutsch. Gärt.-Zeit. 11: 296, fig. (1896); in Mitt. Deutsch. Dendr. Ges. 1896(5): 55 (1896).

*Juniperus virginiana horizontaliformis* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 96 (Nomencl. Arb. Fl. U. S.) (1897).

?*Juniperus virginiana var. ambigens* Fassett in Bull. Torrey Bot. Club, 72: 380 (1945).

**J. silicicola** (Small) Bailey, Cult. Conif. 197 (1933).

*Juniperus barbadensis* sensu Michaux, Fl. Bor.-Am. 2: 246 (1803), p. p.; non Linnaeus.

*Juniperus virginiana var. Bermudiana* Vasey, Rep. U. S. Dept. Agric. 1875: 185 (Cat. For. Trees U. S. 37) (1876), non *J. bermudiana* L. (1753).

*Juniperus lucayana* Britton, N. Am. Trees, 121 (1908), p. p.

*Sabina silicicola* Small in Jour. New York Bot. Gard. 24: 5 (1923).

**J. lucayana** Britton, N. Am. Trees, 121 (1908), p. p. typica.

*Juniperus virginiana b. australis* Endlicher, Syn. Conif. 28 (1847), p. p.

*Sabina virginiana var. β. australis* Antoine, Cupress.-Gatt. 62 (1857), p. p.

*Juniperus virginiana var. barbadensis* Loud. ex Gordon, Pinet. 114 (1858).

*Juniperus australis* (Endl.) Pilger in Urban, Symb. Antill. 7: 479 (1913).

**J. scopulorum** Sargent in Gard. & For. 10: 420 (1897); Silva N. Am. 14: 93, t. 739 (1902).

?*Juniperus dealbata* Gordon in Gard. Mag. (Loudon), n. ser. 6: 639 (1840), nom. subnud.—Loudon, Encycl. Trees Shrubs, 1090 (1842), nom. subnud.—Endlicher, Syn. Conif. 30 (1847).—Carrière, Traité Conif. 54 (1855).

?*Sabina dealbata* (Loud.) Antoine, Cupress.-Gatt. 68 (1857).

*Juniperus virginiana scopulorum* (Sarg.) Lemmon, Handb. W. Am. Conebear. ed. 4, 114 (1900).

*Sabina scopulorum* (Sarg.) Rydberg in Bull. Torrey Bot. Club, 32: 598 (1905).

- J. scopulorum f. argentea** (D. Hill), grad. nov.  
*Juniperus Scopulorum* "Hill's Silver Juniper" D. Hill, Hill's Evergr. 1922: 11, fig. (1922).  
*Juniperus scopulorum* var. *argentea* D. Hill ex Rehder in Bailey, Cult. Evergr. 206 (1923).
- J. scopulorum f. viridifolia** (D. Hill), grad. nov.  
*Juniperus Scopulorum pyramidalis viridifolia* Hilli, D. Hill, Price-list Fall 1924: 14 (1924), an prius?  
*Juniperus scopulorum* var. *viridifolia* D. Hill ex Rehder in Bailey, Cult. Evergr. 206 (1923).
- J. scopulorum f. horizontalis** (D. Hill), grad. nov.  
*Juniperus Scopulorum horizontalis* D. Hill, Price-list Fall 1925: 15 (1925), an prius?  
*Juniperus scopulorum* var. *horizontalis* D. Hill ex Rehder in Bailey, Cult. Evergr. 206 (1923).
- J. scopulorum f. columnaris** (Fassett), grad. nov.  
*Juniperus scopulorum* var. *columnaris* Fassett in Bull. Torrey Bot. Club, 72: 482, fig. (1945).
- J. Sabina** Linnaeus, Sp. Pl. 1039 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 388 (1912).  
*Juniperus-Sabina Sabina* Weston, Fl. Angl. 19 (1775).  
*Juniperus foetida*  $\alpha$  *Sabina* (L.) Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 295 (1841).  
*Sabina vulgaris* Antoine, Cupress.-Gatt. 58, t. 80, 82 (1857).  
*Sabina officinalis* Garcke, Fl. N. Mittel-Deutsch., ed. 4, 387 (1858).
- J. Sabina f. variegata** [West.] Beissner, Syst. Eintheil. Conif. 15 (1887) "(f.)"  
*Juniperus-Sabina Sabina* 2. *variegata* Weston, Fl. Angl. 19 (1775).  
*Juniperus Sabina* e. *variegata* Audibert, Cat. 17 (1817).—Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 253 (1897) "monstr."  
*Sabina vulgaris* var.  $\beta$ . *variegata* Antoine, Cupress.-Gatt. 58 (1857).  
*Juniperus Sabina tamariscifolia variegata* [Nelson], Pinac. 151 (1866).  
*Juniperus sabina albo-spica* hort. ex Lipa, Dendrofl. U. R. S. R. 1: 161 (1939), pro syn.
- J. Sabina f. fastigiata** (Beiss.) Voss, Vilmor. Blumengärt. 1: 1228 (1896).  
*Juniperus Sabina fastigiata* Hort. ex Beissner, Handb. Nadelh. 111 (1891).—Saghy in Kertesz. Lapok, 45: 166, fig. 88 (1931).
- J. Sabina f. cupressifolia** (Ait.) Lipa, Dendrofl. U. R. S. R. 1: 162 (1939).  
*Juniperus Sabina*  $\alpha$ . *cupressifolia* Aiton, Hort. Kew. 3: 414 (1789).  
*Juniperus Sabina*  $\alpha$ . *cupressina* Willdenow, Berlin. Baumz. 157 (1796).  
*Juniperus Sabina* b. *humilis* Endlicher, Syn. Conif. 23 (1847).—Voss, Vilmor. Blumengärt. 1: 1229 (1896) "f."—Non *J. Sabina*  $\beta$ . *humilis* Hook. (1839).  
*Juniperus Sabina* A. *vulgaris* Endlicher, Syn. Conif. 22 (1847), p. p.  
*Juniperus Sabina* A. *cupressifolia*  $\pi$ . *horizontalis* (Moench) Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 390 (1912), p. p.—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 206 (1913) "var. c. f. h."
- J. Sabina f. tamariscifolia** (Ait.) Koehne, Deutsche Dendr. 53 (1893).—Voss, Vilmor. Blumengärt. 1: 122 (1896).
- Juniperus Sabina*  $\beta$ . Linnaeus, Sp. Pl. ed. 2, 2: 1462 (1763).  
*Juniperus Sabina*  $\beta$ . *tamariscifolia* Aiton, Hort. Kew. 3: 414 (1789).—Loudon, Arb. Brit. 4: 2499, fig. 2360 (1838).—Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 253 (1897) "(f.)".  
*Juniperus humilis* Salisbury, Prodr. Stirp. Chap. Allert. 397 (1796).  
*Juniperus foetida*  $\beta$ . *tamariscifolia* (Ait.) Spach in Ann. Sci. Nat. Bot., sér. 2, 16: 295 (1841).
- J. Sabina** var. *lusitanica* [Mill.] Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 206 (1913).  
*Juniperus lusitanica* Miller, Gard. Dict. ed. 8, J. no. 11 (1768).  
*Juniperus-Sabina lusitanica* Weston, Fl. Angl. 19 (1775).  
*Juniperus Sabina* A. *vulgaris* Endlicher, Syn. Conif. 22 (1847), p. p.  
*Juniperus Sabina* A. *cupressifolia*  $\pi$ . *lusitanica* (Mill.) Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 253 (1897).
- J. horizontalis** Moench, Meth. Pl. 699 (1794).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 1: 67, fig. 157 (1913).  
*Juniperus Sabina* sensu Michaux, Fl. Bor.-Am. 2: 246 (1803), non Linnaeus (1753).  
*Juniperus prostrata* Persoon, Syn. Pl. 2: 632 (1807).—Rafinesque, Med. Fl. 2: 13 (1830).  
*Juniperus Sabina*  $\beta$ . *procumbens* Pursh, Fl. Am. Sept. 2: 647 (1814).  
*Juniperus Sabina* d. *repens* Audibert, Cat. 17 (1817).—Hochstetter, Conif. 87 (1882) "var."  
*Juniperus repens* Nuttall, Gen. N. Am. Pl. 2: 245 (1818).  
*Juniperus Sabina* var. 4. *prostrata* (Michx.) Loudon, Arb. Brit. 4: 2499, fig. 2361 (1838).—Voss, Vilmor. Blumengärt. 1: 1228 (1896) "forma."  
*Juniperus Sabina*  $\beta$ . *humilis* Hooker, Fl. Bor.-Am. 2: 166 [1839].  
*Juniperus hudsonica* Forbes, Pinet. Woburn. 208 (1839).  
*Juniperus foetida*  $\gamma$ . *multicaulis* Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 295 (1841), p. p.  
*Juniperus virginiana* var. *prostrata* (Michx.) Torrey, Fl. New York, 2: 235 (1843).  
*Juniperus Sabina hudsonica* Knight & Perry, Syn. Conif. 12 (1850), nom.  
*Juniperus Sabina* A. *cupressifolia*  $\pi$ . *horizontalis* (Moench) b. *prostrata* (Loud.) Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, 1: 390 (1912).  
*Sabina horizontalis* (Moench) Rydberg in Bull. Torrey Bot. Club, 39: 100 (1912).
- J. horizontalis f. variegata** Slavin in Chittenden, Conif. Cult. Rep. Conif. Conf. 106 (1932).—Hornibrook, Dwarf Conif. ed. 2, 121 (1939) "var."
- J. horizontalis f. Douglasii** Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 214 [1916]; in Bailey, Stand. Cycl. Hort. 3: 1729 (1915) "var."—L. C. C[hadwick] in Am. Nurseryman, 83, 3: 47, fig. (cover) (1946).  
*Juniperus horizontalis* var. *glauca* Hornibrook, Dwarf Conif. ed. 2, 120 (1939).
- J. horizontalis f. alpina** (Loud.) Rehder in Jour. Arnold Arb. 6: 203 (1935).—Hornibrook, Dwarf Conif. ed. 2, 120 (1939) "var."  
*Juniperus Sabina* var. 4. *alpina* Lodd. ex Loudon, Arb. Britt. 4: 2499, fig. 2362 (1838).
- J. horizontalis f. glomerata** Rehder in Jour. Arnold Arb. 6: 202 (1925).—Hornibrook, Dwarf Conif. ed. 2, 120 (1939) "var."



**Juniperus** (continued)

- J. horizontalis** f. **plumosa** Rehder in Jour. Arnold Arb. 6: 204 (1925).—Hornibrook, Dwarf Conif. ed. 2, 121 (1939) "var."

*Juniperus communis depressa plumosa* Andorra Nurseries, Price-list Spring 1919: 8; Autumn 1919: 11 (1919).

Fam. **EPHEDRACEAE**

EPHEDRACEAE Link, Handb. Erkenn. Gewächse, 2: 469 (1831).—Wettstein, Handb. Syst. Bot. 155 (1903).—

Markgraf in Nat. Pflanzenfam. ed. 2, 1: 409 (1926).

*Ephedraceae* Dumortier, Florula Belg. Prodr. 9 (1827), nom.

*Taxineae* 1. *Ephedreae* Reichenbach, Handb. Nat. Pflanzen-syst. 166 (1837), nom. subnud.

*Ephedreae* Presl, Wseob. Rostlin. 2: 1419 (1846).

*Gnetaceae* Lindley, Veget. Kingd. ed. 3, 232 (1853), p. p. *Gnetaceae* . . . *Ephedroideae* Engler, Syllab. Vorles. Bot. 63 (1892).

**EPHEDRA** Linnaeus, Sp. Pl. 1040 (1753); Gen. Pl. ed. 5, 462, no. 1007 (1754).—C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 5: 225–298, 8 t. (Vers. Monog. Ephedra, 35–108) (1849).—Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 1–125, 5 t. (Art. Gatt. Ephedra) (1889).

LECTOTYPUS: *E. distachya* L.

- E. trifurca** Torrey in Emory, Not. Milit. Recon. Fort Leavenw. San Diego 152 (1848).—Benson in Am. Jour. Bot. 30: 230 (1943).

*Ephedra trifaria* (Torr.) ex Parlatores in De Candolle, Prodr. 16,2: 359 (1863) nom.; err. pro *trifurca*.

- E. Torreyana** S. Watson in Proc. Am. Acad. Arts Sci. 14 (n. ser., 6): 299 (1879).

*Ephedra antisiphilitica* ? [f. *monstrosa*] Torrey in Emory, Rep. U. S. Mex. Bound. Surv. 2,1: 207 (Bot. Bound.) (1859).—Cutler in Ann. Missouri Bot. Gard. 26: 389 (1939).

- E. Przewalskii** Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 40, t. 1, iv (1889).

- E. californica** S. Watson in Proc. Am. Acad. Arts Sci. 14 (n. ser., 6): 300 (1879).—Cutler in Ann. Missouri Bot. Gard. 26: 395 (1939).

- E. foliata** Boissier & Kotschy in Boissier, Diagn. Pl. Or. ser. 1, 7: 101 (1846).—C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 5: 297 (Vers. Monog. Ephedra, 107) (1846).

*Ephedra ciliata* Fischer ex C. A. Meyer in op. cit. 290 (100) (1846).—Bobrov in Komarov, Fl. S. S. S. R. 1: 198, t. 9, fig. 3 (1934).

*Ephedra asparagoides* Griffith, Itin. Notes, 340 (Posthum. Pap. II) (1848); Notul. Pl. As. 4: 31, in not. (1854).

*Ephedra Kokanica* Regel in Act. Hort. Petrop. 6: 479 (1880);

*Ephedra peduncularis* Boissier, Fl. Or. 5: 717 (1884).

- E. altissima** Desfontaines, Fl. Atlant. 2: 372, t. 253 (1800).—Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 46, t. 2, ix (1889).

- E. fragilis** Desfontaines, l. c. (1800).—Stapf in op. cit. 53, t. 2, xii (1889).

*Ephedra altissima* sensu Buch, Phys. Besch. Canar. Ins. 159, 168 (1825), non Desfontaines (1800).

*Ephedra dissoluta* Webb & Berthelot, Phytog. Canar. 3: 275 (1847).

- E. fragilis** var. **β. campylopoda** (C. A. Mey.) Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 56, t. 2, xii, fig. 1, 3, 4, 8 (1889).

*Ephedra campylopoda* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 5: 34 (1845); in Mém. Sci. Nat. Acad. Sci. St. Pétersb. ser. 6 (Sci. Nat.), 5: 263, t. 2, fig. 3 (Vers. Monog. Ephedra, 73) (1846).

- E. intermedia** Schrenk ex C. A. Meyer in op. cit. 278 (88) (1846).—Bobrov in Komarov, Fl. S. S. S. R. 1: 198 (1939).

- E. pachyclada** Boissier, Fl. Or. 5: 713 (1884).—Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 59, t. 2, xiv (1889).

- E. distachya** Linnaeus, Sp. Pl. 1040 (1753).—Stapf in op. cit. 66, t. 2, xvii (1889).

*Ephedra vulgaris* Richard, Comm. Bot. Conif. 26, t. 4, fig. 1 (1826).

*Ephedra minor* Host, Fl. Austr. 2: 671 (1831).

*Ephedra botryoides* Fisch. ex C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 5: 289 (Vers. Monog. Ephedra, 99) (1846).

*Ephedra stenospema* Schrenk ex C. A. Meyer in op. cit. 267 (77) (1846).

*Ephedra Clusii* Dufour in Bull. Soc. Bot. France, 7: 445 (1860).

*Ephedra dubia* Regel in Act. Hort. Petrop. 6: 479 (1880), p. p.

*Ephedra* [rigida f. *E.*] *maritima* St.-Lager, Cat. Pl. Vasc. Rhône, 687 (1883).

*Ephedra podostylax* Boissier, Fl. Or. 5: 715 (1884).

*Ephedra distachya* subvar. *Linnaei* Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 67 (1889).—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 178 (1913) "var."

- E. distachya** subvar. **monostachya** (L.) Stapf, l. c. (1889).—Rehder, Man. Cult. Trees Shrubs, 67 (1927) "var." *Ephedra monostachya* Linnaeus, Sp. Pl. 1040 (1753). *Ephedra vulgaris* a. *monostachya* Wenderoth, Pflanz. Bot. Gärt. i. Conif. 57 (1851).

- E. distachya** subsp. **helvetica** (C. A. Mey.) Hegi, Ill. Fl. Mitteleur. 1: 76, fig. 34 (1906).—Rehder, Man. Cult. Trees Shrubs, 67 (1927) "var."

*Ephedra helvetica* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 5: 35 (1845); in Mém. Sci. Nat. Acad. Sci. St. Pétersb., sér. 6 (Sci. Nat.), 5: 277, t. 8, fig. 10 (Vers. Monog. Ephedra, 87) (1846).

*Ephedra rigida* var. *E. helvetica* (C. A. Mey.) St.-Lager, Cat. Pl. Vasc. Rhône, 687 (1883).

- E. sinica** Stapf in Kew Bull. 1927: 133 (1927).—Hu in Hu & Chun, Icon. Pl. Sin. 2: 6, t. 56 (1929).—Florin in Svenska Vetensk.-akad. Handl., ser. 3, 12,1: 4, fig. 1, t. 1 (1933).

- E. Gerardiana** Wallich ex Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 75, t. 3, xviii, xxxi, fig. 1 (1889).

*Ephedra Gerardiana* Wallich, Num. List, no. 6048 [1832], nom.—Royle, Ill. Bot. Himal. 40 (1833), nom.; 348 (1839), nom.

*Ephedra vulgaris* sensu Brandis, For. Fl. Ind. 501 (1874).—Hooker f., Fl. Brit. Ind. 5: 640 (1890).—Non Richard (1826).

*Ephedra Gerardiana* var. *a. Wallichii* Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 56,2: 75 (1889).

**E. Gerardiana** var. *β. saxatilis* Stapf, l. c., t. 3, xviii, fig. 5 (1889).

*Ephedra saxatilis* Royle ex Florin in Svenska Vetensk.-akad. Handl. ser. 3, **12**, 1: 25, t. 4, fig. 1 (1933).

**E. Gerardiana** var. *γ. sikkimensis* Stapf, l. c. (1889).

*Ephedra saxatilis* var. *sikkimensis* Florin in op. cit. 28, t. 5, fig. 2 (1933).

**E. major** Host, Fl. Austr. **2**: 671 (1827).—Ascherson & Graebner, Syn. Mitteleur. Fl. ed. 2, **1**: 401 (1912).

*Ephedra equisetiformis* Webb & Berthelot, Phytog. Canar. **3**: 275 (1836).

*Ephedra nebrodensis* Tineo in Gussone, Fl. Sicul. Syn. **2**: 637 (1844).

*Ephedra Villarsii* Grenier & Godron, Fl. France, **3**: 160 (1855).

*Ephedra Graeca* sensu Cosson in Ann. Sci. Nat. Bot. sér. 4, **4**: 242, 252 (1855), non C. A. Meyer (1846).

*Ephedra scoparia* Lange, Pugill. Pl. Hispan. **2**: 83 (1860).

*Ephedra rigida* var. *E. nebrodensis* St.-Lager, Cat. Pl. Vasc. Rhône, 687 (1883).

*Ephedra major* A. Villarsii (Gren. & Godr.) Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 261 (1897).

**E. major** var. *procera* (Fischer & Meyer) Fitschen in Beissner, Handb. Nadelh. ed. 3, 634, fig. 172 (1930).

*Ephedra procera* Fischer & Meyer in Ind. Sem. Hort. Petrop. **10**: 45 (1845); in Ann. Sci. Nat. Bot. sér. 3, **5**: 371 (1846).—C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb., sér. 6 (Sci. Nat.), **5**: 281, t. 4, fig. 6 (Vers. Monog. Ephedra, 91) (1846).

*Ephedra nebrodensis* var. *β. procera* (Fisch. & Mey.) Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, 456, **2**: 80 (1889).

*Ephedra major* B. *procera* (Fisch. & Mey.) Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 261 (1897).

**E. equisetina** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **7**: 501 (Reliqu. Lehmann. 325) (1851).—Hu & Chun, Icon. Pl. Sin. **2**, 5, t. 55 (1929).

**E. viridis** Coville in Contrib. U. S. Nat. Herb. **4**: 220 (1893).—Abrams, Ill. Fl. Pacif. Stat. **1**: 77, fig. 161 (1923).

*Ephedra nevadensis* var. *viridis* (Cov.) Jones in Proc. Calif. Acad. Sci. ser. 2, **5**: 726 (1895).

**E. nevadensis** S. Watson in Proc. Am. Acad. Arts Sci. n. ser., **6**: 298 (1879).—Abrams, Ill. Fl. Pacif. Stat. **78**, fig. 162 (1923).

**E. americana** Humboldt & Bonpland ex Willdenow, Sp. Pl. **6**, 2: 860 (1805).—Humboldt, Bonpland & Kunth, Nov. Gen. **2**: 2 (1817).

*Ephedra Americana* α. *Humboldtii* Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, **56**, 2: 85 (1889).

**E. americana** var. *andina* (Poepp.) Stapf, op. cit. 86 (1889) "var. *β.*"

*Ephedra bracteata* Miers, Travels Chile, **2**: 531 (1826); in Ann. Nat. Hist. ser. 3, **11**: 253 (1863); Contrib. Bot. **2**: 165, t. 75B (1869).

*Ephedra andina* Poeppig ex C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), **5**: 78 (1846).

*Ephedra peruviana* Bertero msc. ex Endlicher, Syn. Conif. **255** (1847), pro syn.

*Ephedra Chilensis* Miers in Ann. Nat. Hist. ser. 3, **11**: 252 (1863); Contrib. Bot. **2**: 164, t. 75A. (1869).

*Ephedra monticola* Miers, op. cit. 254 (1863); Contrib. Bot. **2**: 166, t. 76A (1869).

**E. americana** var. *rupestris* Stapf in Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien, **56**, 2: 86, t. 3, xxvi (1889) "var. *γ.*"—Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 178 (1913).

## Subdivisio II. ANGIOSPERMAE

ANGIOSPERMAE (Brongn.) A. Braun in Döll, Fl. Grossherz. Bad. **1**: 104 (1857).

*Angiospermes* Brongniart, Enum. Genr. Pl. ed. 2, 26 (1850).

*Metaspermae* Strasburger ex Engler in Nat. Pflanzenfam. II. **1**: 2 (1889), pro syn.

## Classis I. DICOTYLEDONEAE

DICOTYLEDONEAE (Juss.) De Candolle, Syst. **1**: 123 (1818).

*Dicotyledones* Jussieu, Gen. Pl. lxxi, 70 (1789).

## Subclassis I. ARCHICHLAMYDEAE

ARCHICHLAMYDEAE Engler, Syllab. Vorles. Bot. **64** (1892); in Nat. Pflanzenfam. II. **1**: 3 (1889).

*Apetalae* Jussieu, Gen. Pl. lxxi, 72 (1789).—Endlicher, Gen. Pl. 264 (1837).

*Polypetalae* Jussieu, l. c. (1789).—Lindley, Nat. Syst. Bot. ed. 2, 2 (1836).

*Dialypetalae* Endlicher, Gen. Pl. 762 (1839).

*Eleutheropetalae* Döll, Rhein. Fl. 541 (1843).

*Choripetalae* Eichler, Syllab. Vorles. Bot. **18**. (1876).

## Fam. SALICACEAE

SALICACEAE Horaninov, Prim. Lin. Syst. Nat. **64** (1834).—Lindley, Nat. Syst. Bot. ed. 2, 186 (1836).

*Amentaceae* P. F. Gmelin, Otia Bot. **49**, 90 (1760), p. p. *Salicineae* Mirbel, Elém. Phys. Vég. **2**: 905 (1815), p. p.

—Hooker, Fl. Scot. **2**: 196 (1821) "Salicinae"; p. p.—Anderson in De Candolle, Prodr. **16**, 2: 190 (1868).

*Amentaceae* aff. 3. *Salicineae* Dumortier in Bijdr. Natuurk. Wetensch. **1**: 45 (Verh. Wilg. 4) (1825).

*Amentaceae* a. *Salicinae* Agardh, Aphor. Bot. **208** (1825), exclud. *Liquidambar*.

*Amentaceae* trib. *Saliceae* Dumortier, Florula Belg. **11** (1827).

**POPULUS** Linnaeus, Sp. Pl. 1034 (1753); Gen. Pl. 456, no. 996 (1754).—Wesmael in De Candolle, Prodr. **16**, 2: 323–331 (1868); in Mém. Soc. Sci. Hainaut, sér. 3, **3**: 183–253, 23 t. (Monog. Populus, 73 pp. 23 t.) (1869).—Dode in Bull. Soc. Hist. Nat. Autun, **18**: 161–231, t. 11, 12 (Extr. Monog. Populus, 73 pp. 2 t.) (1905).—Gombocz in Math. Termesz. Közl. **30**, 1: 238 pp. (Monog. Populi) (1908).

LECTOTYPUS: *P. alba* L.

Sect. **I. LEUCE** Duby in De Candolle, Bot. Gall. ed. 2, **1**: 427 (1828).—Reichenbach, Fl. Germ. Excurs. 173 (1830).—Dode in Mém. Soc. Nat. Autun, **18**: 176 (Extr. Monog. Populus, 18) (1905), pro subgen.

*Tremula* Dumortier in Bijdr. Natuurk. Wetensch. **1**: 46 (Verh. Wilg. 5) (1825).

*Populus* §. 2. *Tremularia* Dumortier, Florul. Belg. Prodr. **14** (1827).

*Octima* Rafinesque, Alsogr. Am. 42 (1838).

*Populus* A. *Leiophloiae* a. *Tomentosae* Hartig, Vollst. Naturg. Forstl. Culturpf. 433 (1840).

*Populus* A. *Leiophloiae* b. *Trepidae* Hartig, op. cit. 434 (1851).

**Populus** (continued)

- Populus* subgen. *Leuce* sect. *Albidae* Dode in Mém. Soc. Hist. Nat. Autun, **18**: 176 (Extr. Monog. *Populus*, 18) (1905).
- P. alba** Linnaeus, Sp. Pl. 1034 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 17 (1908).
- Populus major* Miller, Gard. Dict. ed. 8, P. no. 4 (1768).
- Populus alba* var. *β. nivea* Aiton, Hort. Kew. **3**: 405 (1789), p. p.
- Populus alba genuina* 1. *argentea* Wesmael in De Candolle, Prodr. **16,2**: 324 (1868).
- P. alba** f. *nivea* [Wesm.] Schneider, Ill. Handb. Laubh. **1**: 22 (1904).
- Populus alba* var. *β. nivea* Aiton, Hort. Kew. **3**: 405 (1789), p. p.—Wesmael in De Candolle, Prodr. **16,2**: 324 (1868).
- Populus nivea* (Ait.) Willdenow, Berlin. Baumz. 227 (1796).—Dode in Mém. Soc. Hist. Nat. Autun, **18**: 179 (Extr. Monog. *Populus*, 21) (1905).
- Populus alba* var. *3. acerifolia* (Lodd.) Loudon, Arb. Brit. **3**: 1640 (1838).
- Populus acerifolia* Loddiges, Cat. ed. 1836 ex Loudon, l. c. (1838), pro syn.
- Populus alba* var. *4. arembergica* (Lodd.) Loudon, l. c. (1838).
- Populus arembergica* Loddiges, Cat. ed. 1836 ex Loudon, l. c. (1838), pro syn.
- Populus alba* var. *6. candicans* (Lodd.) Loudon, l. c. (1838).
- Populus candicans* Loddiges, Cat. ed. 1836 ex Loudon, l. c. (1838), pro syn.; non Aiton (1789).
- Populus arembergiana* hort. ex Dippel, Handb. Laubh. **2**: 191 (1892), pro syn.
- P. alba** f. *Richardii* (Beiss.), grad. nov.
- Populus alba Richardii* Beissner in Mitt. Deutsch. Dendr. Ges. **1912**(21): 229 [1913].—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1779 (1913) "var. *Richardii*."
- P. alba** f. *pyramidalis* [Bunge] Dippel, Handb. Laubh. **2**: 191 (1892) "(f.)"
- Populus alba β. pyramidalis* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **7**: 498 (1854).
- Populus alba e. croatica* Wesmael in De Candolle, Prodr. **16,2**: 324 (1868), non *P. croatica* Waldst. & Kit. ex Besser (1832).
- Populus Bolleana* Lauche in Deutsch. Mag. Gart.- & Blumenk. **1878**: 296 (1878).—Dode in Bull. Soc. Hist. Nat. Autun, **18**: 181 (Extr. Monog. *Populus* 23) (1905).
- Populus alba* var. *Bolleana* (Lauche) [Otto] in Hamburg. Gart.- & Blumenzeit. **35**: 3 (1879).—[Masters in] Gard. Chron. n. ser., **18**: 556, fig. 96 (1882).
- Populus Bachofenii* Wierzb. f. *pyramidalis* (Bnge.) Litvinov, Sched. Herb. Fl. Ross. **5**: 87 (1905).
- Populus alba* var. *β. nivea* f. *a. Bolleana* (Lauche) Gombocz in Math. Termesztett. Közlem. **30,1**: 147 (Monog. *Populi*) (1908).
- P. alba** f. *globosa* (Späth) Schneider, Ill. Handb. Laubh. **1**: 22 (1904).
- Populus alba globosa* Späth, Hauptkat. **69**: 99 (1887), nom.—Dippel, Handb. Laubh. **2**: 191 (1892) "*a. d. g.*"
- Populus globosa* Dode in Bull. Soc. Hist. Nat. Autun, **18**: 185 (Extr. Monog. *Populus*, 27) (1905).
- P. alba** f. *pendula* (Loud.) Dippel, Handb. Laubh. **2**: 191 (1902) "(f.)"—Hegi, Ill. Fl. Mitteleur. **3**: 61 (1910).
- Populus alba* var. *9. pendula* Loudon, Arb. Brit. **3**: 1640 (1838).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 22 (1908) "lus."
- Populus nivea Salomonii* Carrière in Rev. Hort. **1866**: 380 (1866).
- Populus alba* f. *Salmonii* (Carr.) Wesmael in De Candolle, Prodr. **16,2**: 325 (1868), ?sphalm. pro *Salomonii*.
- P. tomentosa** Carrière in Rev. Hort. **1867**: 340 (1867).
- Populus alba* var. *denudata* Maximowicz in Bull. Soc. Nat. Moscou, **54**: 48 (1879), non Wesmael (1868).
- Populus alba* var. *tomentosa* (Carr.) Wesmael in Bull. Soc. Bot. Belg. **26**: 373 (1887).
- Populus pekinensis* L. Henry in Rev. Hort. **1903**: 355, fig. 142 (1903).
- Populus alba* var. *seminuda* Komarov in Act. Hort. Pe-trop. **22**: 20 (1903).
- Populus glabrata* Dode in Bull. Soc. Hist. Nat. Autun, **18**: 185 (Extr. Monog. *Populus*, 27) (1905).
- P. canescens** (Ait.) Smith, Fl. Brit. **3**: 1080 (1805).—Schneider in Mitt. Deutsch. Dendr. Ges. **1932**(44): 27 (1932).
- Populus alba* Miller, Gard. Dict. ed. 8, P. no. 1 (1768), non Linnaeus (1753).
- Populus alba a. canescens* Aiton, Hort. Kew. **3**: 405 (1789).—Aiton f., Hort. Kew. ed. 2, **5**: 395 (1813) "var."
- Populus alba* sensu Willdenow, Berlin. Baumz. 227 (1796), non Linnaeus (1753).
- Populus hybrida* Bieberstein, Fl. Taur.-Cauc. **2**: 422 (1808).—Reichenbach, Icon. Fl. Germ. **11**: 29, t. 615 (1849).
- Populus canescens* var. *b. intermedia* Mérat, Nouv. Fl. Envir. Paris, 400 (1812).
- Populus intermedia* (Mérat) Lejeune, Fl. Envir. Spa, **2**: 260 (1813).
- Populus Bachofenii* Wierzb. ex Rochel, Banat. Reise, 77 (1838).—Reichenbach, Icon. Fl. Germ. **11**: 29, t. 616 (1849).
- Populus canescens* b. *denudata* Döll, Rhein. Fl. 259 (1843).
- Populus alba-tremula* Krause in Uebers. Arbeit. Schles. Ges. Vaterl. Kultur, **1848**: 130 (1849).
- Populus denudata* A. Braun ex Hartig, Vollst. Naturg. Forstl. Culturpfl. 434 (1840).
- Populus leucophylla* Schur, Enum. Pl. Transilv. 623 (1866).
- Populus alba a. genuina* 2. *grisea* Wesmael in De Candolle, Prodr. **16,2**: 324 (1868).
- Populus alba γ. denudata* (Hartig) Wesmael, l. c. (1868).
- Populus alba δ. Bachofenii* (Wierzb.) Wesmael, l. c. (1868).—Gombocz in Math. Termesztett. Közlem. **30,1**: 148 (Monog. *Populi*) (1908) "*β. nivea* f. *B.*"
- Populus Steiniana* Bornmüller in Gartenfl. **37**: 173 (1888).
- Populus ambigua* Beck, Fl. Nieder-Öster. 305 (1890).
- Populus alba* × *tremula* a. *Bachofenii* (Wierzb.) Koehne, Deutsche Dendr. 79 (1893).
- Populus alba* × *tremula*: b. *canescens* (Sm.) Koehne, l. c. (1893).
- Populus alba* × *tremula*: c. *denudata* (A. Br.) Koehne, l. c. (1893).
- Populus alba* × *tremula*: d. *hybrida* (M. Bieb.) Koehne, l. c. (1893).
- Octima canescens* Rafinesque ex B. D. Jackson, Index Kew. **2**: 327 [1894], pro syn.
- P. canescens** f. *pendula* Dippel, Handb. Laubh. **2**: 192 (1892) "(f.) *a.*"—Schwerin in Mitt. Deutsch. Dendr. Ges. **1907**(16): 256 [1908].

- Populus Juliana pendula* hort. ex Dippel, l. c. (1892), pro syn.
- P. grandidentata** Michaux, Fl. Bor.-Am. 2: 243 (1803). — Sargent, Silva N. Am. 9: 161, t. 488 (1896).
- P. pseudograndidentata** Dode in Bull. Soc. Hist. Nat. Autun, 18: 189, t. 11 fig. 30b. (Extr. Monog. Populus, 31) (1905).  
*Populus grandidentata* β. *pendula* Loudon, Arb. Brit. 3: 1651 (1838). — Wesmael in De Candolle, Prodr. 16,2: 326 (1868).
- P. tremula** Linnaeus, Sp. Pl. 1043 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 24 (1908).  
*Populus australis* Tenore in Ind. Sem. Hort. Neap. 1830: 15 (1830).  
*Populus graeca* sensu Grisebach, Spicil. Fl. Rumel. 2: 345 (1844), non Aiton (1789).  
*Tremula vulgaris* Opiz, Seznam Rostl. Květ. České, 99 (1852).  
*Populus tremula* a. *typica* a. *glabra* Koehne, Deutsche Dendr. 80 (1893).  
*Populus tremula* a. *typica* b. *sericea* Koehne, l. c. (1893).
- P. tremula** f. *pendula* Kirchner in Petzold & Kirchner, Arb. Musc. 596 (1864) "(f.)" — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 26 (1908) "lus."  
*Populus tremula* var. *pendula* (Lodd.) Loudon, Arb. Brit. 3: 1646; 7: t. 218, 63, e (1838).
- P. tremula** var. *villosa* (Lang) Wesmael in De Candolle, Prodr. 16,2: 325 (1868) "γ."  
*Populus villosa* A. F. Lang in Syll. Pl. Nov. Ratisb. 1: 185 (1824); in Reichenbach, Fl. Germ. Excurs. 173 (1830).
- P. tremula** var. *Davidiana* (Dode) Schneider in Sargent, Pl. Wilson. 3: 24 (1916).  
*Populus tremula* sensu Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 245 (Prim. Fl. Amur.) (1859), non Linnaeus (1753).  
*Populus Davidiana* Dode in Bull. Soc. Hist. Nat. Autun, 18: 189, t. 11, fig. 31 (Extr. Monog. Populus, 31) (1905).  
 ?*Populus pellostachya* Dode, l. c. fig. 32 (1905).  
 ?*Populus wutaica* Mayr, Fremdl. Wald- u. Parkbäume, 494 (1906).
- P. rotundifolia** Griffith, Notul. Pl. As. 4: 382 (1854); Icon. Pl. As. 4: t. 546 (1854).  
*Populus microcarpa* Hooker, Fl. Brit. Ind. 5: 639 (1888).
- P. tremuloides** Michaux, Fl. Bor. Am. 2: 243 (1803). — Sargent, Silva N. Am. 9: 158, t. 487 (1896).  
 ?*Populus graeca* G[ordon] & D[ermer] ex C. F. Ludwig, Neu. Wilde Baumz. 35 (1783), nom. — Aiton, Hort. Kew. 3: 407 (1789). — Willdenow, Berlin. Baumz. 232 (1796); Sp. Pl. 4,2: 804 [1806].  
 ?*Populus atheniensis* Lod[diges] ex C. F. Ludwig, l. c. (1783), pro syn. — K. Koch, Dendr. 2,1: 486 (1872). — Koehne, Deutsche Dendr. 80 (1893). — Victorin in Contrib. Inst. Bot. Univ. Montréal, no. 16: 3 (1930), pro syn.  
*Populus trepida* Willdenow, Sp. Pl. 4,2: 803 [1806].  
*Populus laevigata* Willdenow, Sp. Pl. l. c. [1806].  
*Populus cretica* ex Dumont de Courset, Bot. Cult. ed. 2, 7: 343 (1814), pro syn.  
*Populus benzoifera* Tausch in Flora, 21,2: 754 (1838).  
*Populus tremuliformis* Emerson, Trees Shrubs Mass. 243 (1846).
- Tremula trepida* Rafinesque ex B. D. Jackson, Index Kew. 2: 1100 [1896], pro syn.
- P. tremuloides** f. *pendula* [Tausch] Schelle in Beissner et al., Handb. Laubh.-Ben. 14 (1903) "(f.)" — Victorin in Contrib. Inst. Bot. Univ. Montréal, no. 16: 5 (1930).  
*Populus benzoifera* β. *pendula* Tausch in Flora, 21,2: 754 (1838).  
*Populus tremuloides* var. *pendula* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 257 (1884). — Dippel, Handb. Laubh. 2: 198 (1892).
- P. tremuloides** var. *aurea* [Tidestrom] Sargent, Man. Trees N. Am. ed. 2, 121 (1922).  
*Populus cercidiphylla* Britton, N. Am. Trees, 180, fig. 139 (1908).  
*Populus aurea* Tidestrom in Am. Midland Nat. 2: 35 (1911).  
*Populus tremuloides aurea* Daniels, Fl. Boulder, Colo. 98, 265 (1911).  
*Populus tremuloides cercidiphylla* (Britt.) Sudworth, Check-list For. Trees U. S. 61 (U. S. Dept. Agric. Misc. Circ. 92) (1927).
- P. tremuloides** var. *vancouveriana* (Trel.) Sargent in Bot. Gaz. 67: 208 (1919).  
*Populus vancouveriana* Trelease in Piper & Beattie, Fl. N. W. Coast, 118 (1915).
- P. Sieboldii** Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 29 (1867), exclud. pl. masc. — Schneider in Sargent, Pl. Wilson. 3: 38 (1916).  
*Populus tremula* var. *villosa* sensu Franchet & Savatier, Enum. Pl. Jap. 1: 463 (1875), non (Láng) Wesmael (1868).  
*Populus rotundifolia* Simon-Louis ex Dippel, Handb. Laubh. 2: 192 (1892), pro syn.; non Griffith (1854).  
*Populus tremuloides* (f.) *Sieboldii* (Miq.) Schelle in Beissner et al., Handb. Laubh.-Ben. 14 (1903).
- P. adenopoda** Maximowicz in Bull. Soc. Nat. Moscou, 54: 50 (1879). — Handel-Mazzetti, Symb. Sin. 7: 58 (1929). — Rehder in Jour. Arnold Arb. 17: 65 (1936).  
*Populus tremula* var. *adenopoda* (Maxim.) Burkill in Jour. Linn. Soc. Lond. Bot. 26: 537 (1899).  
*Populus macranthela* Léveillé & Vaniot in Bull. Soc. Bot. France, 52: 142 (March, 1905).  
*Populus Duclouxiana* Dode in Bull. Soc. Hist. Nat. Autun, 18: 190, t. 11, fig. 34a (Extr. Monog. Populus, 32) (1905).  
*Populus rotundifolia* var. a. *Duclouxiana* (Dode) Gombocz in Math. Termeszt. Közlem. 31,1: 130 (Monog. Populi) (1908).  
*Populus Silvestrii* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 247, fig. 2 (1910).  
*Populus Bonatii* Gombocz in Bot. Közl. 10: 25, fig. 2 (1911), p. p., non Léveillé (1910).  
*Populus rotundifolia* a. *P. macranthela* Gombocz, l. c. (1911).
- Sect. II. LEUCOIDES Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 30 (1841).  
*Populus* subgen. *Eupopulus* sect. *Leucoideae* Dode in Bull. Soc. Hist. Nat. Autun, 18: 224 (Extr. Monog. Populus, 66) (1905).
- P. heterophylla** Linnaeus, Sp. Pl. 1034 (1753). — Sargent, Silva N. Am. 9: 163, t. 489 (1896).  
*Populus carolinensis* Fougereux in Mém. Soc. Agric. France, 1786: 90 (1786), non Moench (1785).

**Populus heterophylla** (continued)

- Populus cordifolia* Burgsdorf, Anleit. Anpflanz. 2: 177 (1787).
- Populus argentea* Michaux f., Hist. Arb. For. Am. Sept. 3: 290, t. 9 (1813).
- Populus heterophylla*  $\beta$ . *argentea* (Michx.) Wesm. in De Candolle, Prodr. 16: 326 (1868).
- Aigiros heterophyllos* Raf. ex B. D. Jackson in Index Kew. 1: 66 [1893], pro syn.
- P. lasiocarpa** Oliver in Hooker's Icon. Pl. 20: t. 1943 (1890).
- Populus Fargesii* Franchet in Bull. Mus. Hist. Nat. Paris, 2: 280 (1896).
- P. violascens** Dode in Bull. Soc. Dendr. France, 1921: 31, fig. 3 (1921).
- P. Wilsonii** Schneider in Sargent, Pl. Wilson. 3: 16 (1916). — Dode in op. cit. 32, fig. 4 (1921).
- Sect. III. TACAMAHACA Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 32 (1841).
- Populus* b. *Trachyphloiae* b. *Balsamitae* Hartig, Vollst. Naturgesch. Forstl. Culturpfl. 437 (1851).
- Populus* subgen. *Eupopulus* sect. *Tacamahacae* Dode in Bull. Soc. Hist. Nat. Autun, 18: 192 (Extr. Monog. Populus, 34) (1905).
- P. angustifolia** James ex Torrey in Ann. Lyc. Nat. Hist. N. York, 2: 249 (1828), non Weinmann (1824), nom. — Sargent, Silva N. Am. 9: 171, t. 492 (1896).
- Populus angustifolia* E. James, Account Exped. Rocky Mts. S. N. Long, 1: 497 (1823), nom.
- Populus salicifolia* Rafinesque, Alsogr. Am. 43 (1838).
- Populus canadensis*  $\gamma$ . *angustifolia* Wesm. in De Candolle, Prodr. 16: 329 (1868).
- Populus balsamifera* var. *angustifolia* S. Watson, Bot. in C. King, Rep. U. S. Geol. Expl. 40th Parall. 5: 327 (1871).
- Populus balsamifera* var. *laurifolia* Kuntze, Rev. Gen. Pl. 2: 642 (1891).
- Populus fortissima* Nelson & Macbride in Bot. Gaz. 56: 47 (1913).
- P. acuminata** Rydberg in Bull. Torrey Bot. Club, 20: 45, t. 149 (1893).
- Populus Coloradensis* Dode in Bull. Soc. Hist. Nat. Autun, 18: 216 (Extr. Monog. Populus, 58) (1905).
- P. Simonii** Carrière in Rev. Hort. 1867: 360 (1867). — Rehder in Jour. Arnold Arb. 12: 63 (1931).
- Populus suaveolens* var. a. Maximowicz in Bull. Soc. Nat. Moscou, 54: 51 (1879).
- Populus Przewalskii* Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 540 (in Mém. Biol. 11: 321. 1881) (1882).
- Populus laurifolia*  $\gamma$ . *Simoni* Regel, Russk. Dendr. ed. 2, 152 (1883).
- Populus balsamifera*  $\mu$ . *Simonii* Wesm. in Bull. Soc. Bot. Belg. 26: 378 (1887).
- Populus balsamifera* var. *suaveolens* sensu Burkill in Jour. Linn. Soc. Lond. Bot. 26: 535 (1889), non Loudon (1838).
- Populus brevifolia* Carrière ex Schneider, III. Handb. Laubh. 1: 16 (1904), pro syn.
- Populus Przewalskii* f. *microphylla* Gombocz in Math. Termeszt. Közlem. 30, 1: 102 (Monog. Populi) (1908).
- Populus suaveolens* var. a. *angustifolia* sensu Gombocz, op. cit. 111 (1908), vix Regel.
- Populus suaveolens* Fischer ex Schneider in Sargent, Pl. Wilson, 3: 18 (1916), p. p.; non Fischer (1841).

*Populus suaveolens* var. *Przewalskii* (Maxim.) Schneider in op. cit. 32 (1916).

- P. Simonii** f. *fastigiata* Schneider in Sargent, Pl. Wilson. 3: 22 (1916). — Rehder, Man. Cult. Trees Shrubs, 88 (1927) "var."
- P. Simonii** f. *pendula* Schneider, l. c. (1916). — Rehder, l. c. (1927) "var."
- P. yunnanensis** Dode in Bull. Soc. Hist. Nat. Autun, 18: 221, t. 12, fig. 103a (Extr. Monog. Populus, 63) (1905); in Bull. Soc. Dendr. France, 1922: 81, fig. (1922).
- P. szechuanica** Schneider in Sargent, Pl. Wilson, 3: 20 (1916).
- P. Tacamahacca** Miller, Gard. Dict. ed. 8, P. no. 6 (1768). — Du Roi, Harbk. Baumz. 2: 143 (1772) "*P. Tacamahacca*", pro syn. — Farwell in Rhodora, 21: 101 (1919), p. p. — Sargent, Man. Trees N. Am. ed. 2, 125 (1926) "*tacamahacca*".
- Populus balsamifera* sensu Münchhausen, Hausvat. 5: 232 (1770). — Sargent, Silva N. Am. 9: 167, t. 490 (1896). — Non Linnaeus (1753) p. p.; NOM. AMBIG. PROPOS. cf. Burtt Davy in Jour. Soc. For. Gt. Brit. 10: 167 (1936); vide etiam Rehder in Jour. Arnold Arb. 10: 55 (1929) et Rouleau in Rhodora, 48: 103–110 (1946).
- Populus balsamifera* a. *genuina* Wesm. in De Candolle, Prodr. 16: 329 (1868).
- Aigeiros balsamifera* (L.) Lunell in Am. Midland Nat. 4: 298 (1916); non *P. balsamifera* Linnaeus (1753).
- P. Tacamahacca** var. *Michauxii* (Dode) Farwell in Rhodora, 21: 101 (1919).
- Populus Michauxii* Dode in Bull. Soc. Hist. Nat. Autun, 18: 220, t. 12, fig. 100 (Extr. Monog. Populus 62) (1905).
- Populus balsamifera* var. *Michauxii* (Dode) Henry in Gard. Chron. ser. 3, 59: 230, fig. 97, nos. 3, 4 (1916).
- P. Jackii** [*P. deltoides*  $\times$  *Tacamahacca*] Sargent, Trees Shrubs, 2: 212 (1913) "*P. balsamifera*  $\times$  *deltoides*".
- Populus Baileyana* (*P. deltoides* var. *monilifera*  $\times$  *balsamifera*) Henry in Gard. Chron. ser. 3, 59: 230, 274, fig. 98 (1916).
- P. Rollandii** ( $\times$  *P. canadensis* var. *Eugenei*  $\times$  *Tacamahacca*) Rouleau in Contrib. Inst. Bot. Montréal, 56: 99, fig. 1, 2 (1945) " $\times$  *P. Eugenei* Simon-Louis  $\times$  *P. Tacamahacca* Mill."
- P. candicans** Aiton, Hort. Kew. 3: 406 (1789). — Sargent, Silva N. Am. 9: 169, t. 491 (1896).
- ?*Populus balsamifera* var. *maior* C. F. Ludwig, Neu. Wilde Baumz. 35 (1783), nom.
- Populus latifolia* Moench, Meth. Pl. 338 (1794).
- Populus macrophylla* Lindley ex Loudon, Encycl. Pl. 840 (1829).
- Populus ontariensis* Desfontaines ex Loudon, Arb. Brit. 3: 1676 (1838), pro syn.
- Populus balsamifera* var. *candicans* (Ait.) A. Gray, Man. Bot. N. U. S. ed. 2, 419 (1856).
- Aigeiros candicans* (Ait.) Nieuwland in Am. Midland Nat. 3: 223 (1914).
- Populus Tacamahacca* sensu Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, 60: 349 (1915), non Miller (1768). — Farwell in Rhodora, 21: 101 (1919) "*Tacamahacca*", p. p.
- P. berolinensis**  $\times$  *candicans* = *P. tacamahacca candicans* ( $\varnothing$ )  $\times$  *berolinensis* ( $\sigma$ ) Schreiner & Stout in Bull. Torrey Bot. Club, 61: 458 (1934), clon "MAINE POPLAR."

- P. trichocarpa** Torrey & Gray ex Hooker, Icon. 9: t. 878 (1852).—Sargent, Silva N. Am. 9: 175, t. 493 (1896).  
*Populus balsamifera* γ. Hooker, Fl. Bor.-Am. 2: 154 (1839).  
*Populus angustifolia* sensu Newberry in U. S. Rep. Explor. Surv. Railr. Mississippi Pacif. Oc. 6,3: 89 (1857), non Torrey (1828).  
*Populus balsamifera* var. (?) *californica* S. Watson in Am. Jour. Sci. ser. 3, 15: 135 (1878).
- P. trichocarpa** var. *hastata* (Dode) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1837 (1913).  
*Populus hastata* Dode in Bull. Soc. Hist. Nat. Autun, 18: 222, t. 12, fig. 105 (Extr. Monog. Populus, 64) (1905).
- P. generosa** (*P. angulata* × *trichocarpa*) Henry in Gard. Chron. 56: 257, fig. 102-3 (1914).
- P. Maximowiczii** (♀) × *trichocarpa* (♂) Schreiner & Stout in Bull. Torrey Bot. Club, 61: 451 (1934), clon "ANDROSCOGGIN POPLAR."
- P. nigra** (♀) × *trichocarpa* (♂) Schreiner & Stout, op. cit. 456 (1934), clon "ROXBURY POPLAR."
- P. nigra betulifolia** (♀) × *trichocarpa* (♂) Schreiner & Stout, op. cit. 457 (1934), clon "ANDOVER POPLAR."
- P. tristis** Fischer in Allg. Gartenzeit. 9: 403 (1841); in Bull. Acad. Sci. St. Pétersb. 9: 343 (1842).
- P. cathayana** Rehder in Jour. Arnold Arb. 12: 59 (1931).  
 —Chow, Fam. Trees Hopei, 64, fig. 19 (1934).  
*Populus suaveolens* sensu Schneider in Sargent, Pl. Wilson 3: 18, 28 (1916), p. p. —Henry in Gard. Chron. ser. 3, 53: 198, fig. 88 (1913), p. p.; in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1841, t. 410, fig. 25 (1913), p. p. —Non Fischer (1841).  
*Populus szechuanica* Schneider in Sargent, Pl. Wilson. 3: 20 (1916), p. p.
- P. Purdomii** Rehder in Jour. Arnold Arb. 3: 225 (1922).
- P. suaveolens** Fischer in Allg. Gartenzeit. 9: 404 (1841); in Bull. Acad. Sci. St. Pétersb. 9: 348 (1842).—Rehder in Jour. Arnold Arb. 12: 67 (1931).  
*Populus balsamifera* sensu Pallas, Fl. Ross. 1: 67, t. 41 (1784), exclud. fig. B; non Linnaeus (1753).  
*Populus pseudo-balsamifera* Turczaninow in Bull. Soc. Nat. Moscou, 1838 (11): 101 (1838), nom.; sec. specim. orig. in herb. Petrop. (photo. in herb. Arnold Arb.)  
*Populus balsamifera* var. 4. *intermedia* Loudon, Arb. Brit. 3: 1674 (1838).  
*Populus balsamifera* var. 5. *suaveolens* Loudon, l. c. (1838).
- P. suaveolens** f. *pyramidalis* (Reg.), grad. nov.  
*Populus suaveolens* var. β. *pyramidalis* Regel, Russk. Dendr. 96 (1870); ed. 2, 151 (1883).
- P. Maximowiczii** Henry in Gard. Chron. ser. 3, 53: 198, fig. 89 (1913).—Schneider in Sargent, Pl. Wilson. 3: 32 (1916).—Miyabe & Kudo, Icon. Ess. For. Hokkaido, 39, t. 11 (1920).  
*Populus suaveolens* var. *latifolia* Regel. in Mém. Acad. Sci. St. Pétersb. sér. 7, 4: 133 (Tent. Fl. Ussur.) (1862).  
*Populus suaveolens* sensu Maximowicz in Bull. Soc. Nat. Moscou, 54: 52 (1879), quoad b. et c.; non Fischer (1841).  
*Populus balsamifera* var. *suaveolens* sensu Shirasawa, Icon. Ess. For. Jap. 1: 37, t. 18, fig. 11-24 (1900); non Loudon (1838).
- P. Maximowiczii** (♀) × *nigra plantierensis* (♂) Schreiner & Stout in Bull. Torrey Bot. Club, 61: 452 (1934), clon "ROCHESTER POPLAR."
- P. berolinensis** (♂) × *Maximowiczii* (♀) Schreiner & Stout, op. cit. 449, 450 (1834), clons "GENEVA POPLAR" et "OXFORD POPLAR."
- P. koreana** Rehder in Jour. Arnold Arb. 3: 226 (1922).—Vasilyev in Bull. Far East Br. Acad. Sci. U. S. S. R. 28: 101, fig. 1, 3(b) (1938).
- P. laurifolia** Ledebour, Fl. Alt. 4: 297 (1833), exclud. syn. Gmelin, Fl. Sib.; Icon. Fl. Ross. 5: t. 479 (1834).—Schneider in Sargent, Pl. Wilson. 3: 35 (1916).  
*Populus balsamifera* sensu Pallas, Fl. Ross. t. 41, fig. B. (1784), p. p.; non Linnaeus (1753), nec Münchhausen (1770).  
*Populus balsamifera* var. 2. *viminialis* Loudon, Arb. Brit. 3: 1673 (1838), exclud. syn. Fischer.  
*Populus viminialis* Lodd. Cat. ex Loudon, l. c. (1838), pro syn.  
*Populus balsamifera* 1c. *laurifolia* (Ledeb.) Kuntze, Taschenfl. Leipzig, 195 (1867).—Wesmael in De Candolle, Prodr. 16,2: 330 (1868) "var."  
*Populus laurifolia* a. *viminialis* (Loud.) Dippel, Handb. Laubh. 2: 209 (1892), p. p.  
*Populus crispa* hort. ex Dippel, Handb. Laubh. 2: 209 (1892), pro syn.
- P. laurifolia** f. *Lindleyana* (Carr.), grad. nov.  
*Populus salicifolia* Hort. ex Loudon, Arb. Brit. 3: 1673 (1838), pro syn.  
*Populus Lindleyana* Carrière in Rev. Hort. 1867: 380 (1867).—Dode in Bull. Soc. Hist. Nat. Autun, 18: 217 (Extr. Monog. Populus, 59) (1905).—Non Booth ex Loudon (1838).  
*Populus laurifolia* b. *Lindleyana* (Carr.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 47 (1908).
- P. Woobstii** (*P. laurifolia* × *tristis*) (Reg.) Dode in Bull. Soc. Hist. Nat. Autun, 18: 218 (Extr. Monog. Populus, 60) (1905).  
*Populus suaveolens* γ. *Woobstii* Schröd. ex Regel, Russk. Dendr. ed. 2, 151 (1892).  
*Populus balsamifera* b. *Woobstii* Dippel, Handb. Laubh. 2: 207, fig. 101 (1892).
- Sect. IV. AIGEIROIS Duby in De Candolle, Bot. Gall. ed. 2, 427 (1828).—Reichenbach, Fl. Germ. Excurs. 173 (1830).—Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 31 (1841).  
*Populus* sect. *Popularia* Dumortier, Florul. Belg. Prodr. 14 (1827).  
*Aigiros* Rafinesque, Alsogr. Am. 42 (1838).  
*Monilistus* Rafinesque, l. c. (1838).  
*Populus* b. *Trachyphloiae* a. *Marginatae* Hartig, Vollst. Naturgesch. Forstl. Culturpfl. 435 (1851).  
*Populus* sect. *Aegirus* Ascherson, Fl. Brandenb. 643 (1864).  
*Populus* subgen. *Eupopulus* sect. *Aegiri* Dode in Bull. Soc. Hist. Nat. Autun, 18: 192 (Extr. Monog. Populus, 34) (1905).
- P. berolinensis** (*P. laurifolia* × *nigra italica*) Dippel, Handb. Laubh. 2: 210 (1892).—Schneider, Ill. Handb. Laubh. 1: 11 (1904).  
*Populus hybrida berolinensis* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 8: 225 (1865).  
*Populus certinensis* Hort. ex Schneider, l. c. (1904).
- P. berolinensis** f. (*P. laurifolia* ♀ × *nigra* ♂) Schreiner & Stout in Bull. Torrey Bot. Club, 61: 453, 454, 455

**Populus berolinensis** (*continued*)

(1934), clons: "Strathglas Poplar", "Frye P.", "Rumford P."

**P. Rasumowskiana** [*P. laurifolia* × *nigra*] (Regel) Dippel, Handb. Laubh. 2: 11, fig. 49-s (1904) "*rasumowskyana*".

*Populus candicans* β. *Rasumowskiana* Schröder ex Regel, Russk. Dendr. ed. 2, 153 (1889).

**P. Petrowskiana** [*P. deltoides* × *laurifolia*] (Regel) Schneider, Ill. Handb. Laubh. 1: 11, fig. 4t-v (1904) "*petrowskyana*".

*Populus canadensis* γ. *Petrowskiana* Schröder ex Regel, Russk. Dendr., ed. 2, 149 (1889).—Dippel, Handb. Laubh. 2: 200 (1892) "*a. P. petr.*".

?*Populus Nolestii* Hort. ex Dippel, op. cit. 199, fig. 95 (1892).

**P. nigra** Linnaeus, Sp. Pl. 1034 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 36 (1908).

*Populus versicolor* Salisbury, Prodr. Stirp. Chap. Allert. 395 (1796).

*Populus nigra sinensis* Carrière in Rev. Hort. 1867: 340 (1867).—Wesmael in De Candolle, Prodr. 16,2: 328 (1868) "β."

*Populus nigra* var. *a. genuina* Wesmael, De Candolle, l. c. (1868).

*Populus viadri* Rüdiger in Gartenfl. 39: 447 (1890).

*Populus nigra* var. *typica* Beck, Fl. Nieder-Öster. 303 (1890).

*Populus europaea* Dode in Bull. Soc. Hist. Nat. Autun, 18: 209, t. 12, fig. 78 (Extr. Monog. Populus, 51) (1905).

*Populus sinensis* (Carr.) Dode, op. cit. 208, t. 12, fig. 72 (p. 50) (1905).

**P. nigra** var. *italica* [Münchh.] Koehne, Deutsche Dendr. 81 (1893) "var. β."—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1798, t. 385 (1913).

*Populus nigra italica* Münchhausen, Hausvat. 5: 230 (1770).—Du Roi, Harbk. Baumz. 2: 141 (1772).

*Populus italica* Moench, Verzeich. Ausl. Bäume Weissenst. 79 (1785).

*Populus dilatata* Aiton, Hort. Kew. 3: 406 (1789).

*Populus pyramidata* Moench, Meth. Pl. 339 (1794).

*Populus pyramidalis* Salisbury, Prodr. Stirp. Chap. Allert. 395 (1796).—Rozier, Cours. Agric. 7: 619 (1800?)

*Populus fastigiata* Desfontaines Tabl. École Paris, 213 (1804).—Loudon, Arb. Brit. 3: 1660, fig. 1519, 1520 (1838).

*Populus croatica* Waldstein & Kitabel ex Besser in Flora, 15,2 (Beibl.): 14 (1832).—K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 8: 246 (1865).

*Populus nigra* δ. *pyramidalis* (Borkh.) Spach in Ann. Sci. Nat. Bot. sér. 215: 31 (1841).

*Aigeiros italica* (Duroi) Tidestrom, Elys. Marian. 2: 16 (1910).

**P. nigra** var. *thevestina* (Dode) Bean, Trees Shrubs Brit. Isl. 2: 217 (1914).

*Populus Thevestina* Dode in Bull. Soc. Hist. Nat. Autun, 18: 210, t. 12, fig. 80 (Extr. Monog. Populus, 52) (1905).

**P. nigra** var. *elegans* Bailey in Cornell Univ. Agric. Exp. Sta. Hort. Div. Bull. 68: 227, fig. 1.f. (Cult. Poplars) (1894); in Bailey, Cycl. Am. Hort. 3: 1411 (1901).

*Populus elegans* Hort. ex Bailey, l. c. (1894), pro syn.; non Lesquereux (1874?).

*Populus nigra* var. *plantierensis* (Simon-Louis) Schneider,

Ill. Handb. Laubh. 1: 803 (1904).—Rehder, Man. Cult. Trees Shrubs, 91 (1927).

*Populus plantierensis* (*P. nigra* var. *italica* × var. *hudsonica*) Simon-Louis ex Schneider, op. cit. 1: 7 (1904), pro syn.

**P. nigra** var. *betulifolia* (Pursh) Torrey, Fl. New York, 2: 216 (1843).—Wesmael in De Candolle, Prodr. 16,2: 328 (1868) "γ."—Skan in Bot. Mag. 136: t. 8298 (1910), exclud. fl. ♀.

*Populus Hudsoniana* Michaux f., Hist. Arb. For. Am. Sept. 3: 293, t. 10 (1813).

*Populus betulaeifolia* Pursh, Fl. Am. Sept. 2: 619 (1814).

*Populus nigra* γ. *pubescens* Parlatore, Fl. Ital. 4: 289 (1867).

*Populus hispida* Haussknecht & Sintenis in Mitt. Thüring. Bot. Ver., n. ser., 13: 21 (1899).

*Populus nigra* var. *d. hudsonica* (Michx.) Schneider, Ill. Handb. Laubh. 1: 5 (1904).

**P. canadensis** [*deltoides* × *nigra*] Moench, Verz. Ausl. Bäume Weissenst. 81 (1785).—Rehder in Jour. Arnold Arb. 4: 111 (1923).

?*Populus helvetica* Poederle, Man. de l'Arb. 2: 148 (1792).

*Populus latifolia* Moench, Meth. Pl. 338 (1794).

*Populus nigra* v. *P. helvetica* Poirer, Encycl. Méth. Bot. 5: 234 (1804).

*Populus deltoides* sensu Schneider, Ill. Handb. Laubh. 1: 7, fig. 1d-f, 3o-p, 9g-m (1904), non Marshall (1785).

**P. canadensis** var. *serotina* (Hartig) Rehder in Jour. Arnold Arb. 4: 111 (1923).

*Populus serotina* Hartig, Vollst. Naturgesch. Forstl. Culturpfl. 437 (1851).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1816, t. 409, fig. 16 (1913).

*Populus angulata* a. *serotina* (Hartig) Dippel, Handb. Laubh. 2: 202 (1892).

**P. canadensis** f. *erecta* (Selys-Longch.) Rehder in Jour. Arnold Arb. 4: 112 (1923) "var. *serotina* f."

*Populus monilifera erecta* Selys-Longchamp in Bull. Soc. Bot. Belg. 2: 11, 13 (1864).

*Populus canadensis* b. *erecta* Dippel, Handb. Laubh. 2: 200 (1892), exclud. syn. Carrière.

*Populus deltoides* f. *erecta* Schneider, Ill. Handb. Laubh. 1: 7 (1910).

*Populus serotina* var. *erecta* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1817, t. 385 (1913).

**P. canadensis** f. *aurea* (André) Rehder in Jour. Arnold Arb. 4: 112 (1923) "var. *serotina* f."

*Populus canadensis aurea* Van Geerti André in Ill. Hort. 23: 26, t. 232 (1876).

*Populus canadensis* d. *aurea* Van Geert ex Dippel, Handb. Laubh. 2: 200 (1892).

*Populus serotina* var. *aurea* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1817 (1913).

**P. canadensis** var. *regenerata* (Henry) Rehder in Jour. Arnold Arb. 4: 112 (1923).

*Populus canadensis* sensu Ascherson, Fl. Prov. Brandenb. 1: 646 (1864), non Moench sensu str. (1794).

"Peuplier regeneré" Carrière in Rev. Hort. 1865: 58, 276 (1865).

*Populus canadensis* f. *grandifolia* h. bot. ex Dieck, Haupt-Verz. Zöschchen Nachtr. 1887: 16 (1887), nom.

*Populus canadensis regenerata* hort. ex Schelle in Beissner et al., Handb. Laubholz-Ben. 16 (1903), pro syn.

*Populus regenerata* Hort. ex Schneider, Ill. Handb. Laubh. 1: 7 (1904), pro syn.—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1824 (1913).



- P. canadensis** var. **Eugenei** (Schelle) Rehder, Man. Cult. Trees Shrubs, 91 (1927).  
 "Peuplier Eugène" Carrière in Rev. Hort. 1865: 58 (1865).  
*Populus Eugenei* Simon-Louis ex K. Koch, Dendr. 2, 1: 493 (1872), pro syn.—Schneider, Ill. Handb. Laubh. 1: 9 (1904).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1826, t. 409, fig. 17 (1913).  
*Populus pyramidalis meetensis* Matthieu in Gartenfl. 36: 674 (1887), pro syn.  
 ?*Populus Charkowiensis* Schröder in Möller's Deutsch. Gärt.-Zeit. 18: 393, fig. (1902).—Schwerin in Mitt. Deutsch. Dendr. Ges. 1919(28): 143 (1919) "P. pyramidalis × nigra."  
*Populus canadensis* (f.) *Eugenei* hort. Simon-Louis ex Schelle in Beissner et al. Handb. Laubh.-Ben. 16 (1903).  
*Populus Canadensis* × *nigra* b. *Eugenei* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 45 (1908).
- P. canadensis** var. **marilandica** (Poir.) Rehder in Jour. Arnold Arb. 4: 112 (1923).  
*Populus marilandica* Bosc ex Poir., Encycl. Méth. Bot. Suppl. 4: 378 (1816).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1828, t. 409, fig. 19 (1913).  
*Populus canadensis* sensu Hartig, Vollst. Naturgesch. Forstl. Culturpfl. 436 (1851).  
*Populus euxylon* Dode in Bull. Soc. Hist. Nat. Autun, 18: 199, t. 11, fig. 49 (Extr. Monog. Populus, 41) (1905).
- P. Wislizeni** (S. Wats.) Sargent, Silva N. Am. 14: 71, t. 732 (1902).  
*Populus Fremontii* var. ? *Wislizeni* S. Watson in Am. Jour. Sci. ser. 3, 15: 136 (1878).
- P. Fremontii** S. Watson in Proc. Am. Acad. Arts Sci. 10: 350 (1875).  
*Populus canadensis* var. *Fremontii* Kuntze, Rev. Gen. Pl. 2: 643 (1891).
- P. arizonica** Sargent in Bot. Gaz. 67: 210 (1919).—I. M. Johnston in Jour. Arnold Arb. 25: 434 (1944).  
*Populus Mexicana* sensu Sargent, Silva N. Am. 12: 73, t. 733 (1902), non Wesmael (1868).
- P. texana** Sargent in Bot. Gaz. 67: 211 (1919).
- P. Macdougalii** Rose in Smithsonian. Inst. Misc. Coll. 61, 12: 1 (1913).
- P. Sargentii** Dode in Bull. Soc. Hist. Nat. Autun, 18: 198, t. 11, fig. 46 (Extr. Monog. Populus, 40) (1905).—Sargent, Trees Shrubs, 2: 211, t. 183 (1913).  
*Populus deltoides occidentalis* Rydberg in Mem. New York Bot. Gard. 1: 115 (1900).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1808 (1913) "var."  
*Populus occidentalis* Rydberg, Fl. Colorado, 91 (Bull. 100 Agric. Exp. Sta. Colorado) (1906).  
*Aigeiros Sargentii* (Dode) Lunell in Am. Midland Nat. 4: 298 (1916).
- P. Andrewsii** (*P. acuminata* × *Sargentii*) Sargent, Trees Shrubs, 2: 212 (1913).—Dode in Bull. Soc. Dendr. France, 1921: 26, fig. 5 (1921).
- P. deltoides** Marshall, Arbust. Am. 106 (1785) "*deltoides*"; Beschreib. Bäume Staud. Nordam. 194 (transl. C. F. Hoffmann) (1788) "*deltoides*".—Sargent, Silva N. Am. 9: 179, t. 494, 495 (1896) "*deltoides*".  
*Populus balsamifera* Linnaeus, Sp. Pl. 1034 (1753), non Muenchhausen (1770) et auct. omnes posteriores ad ann. 1918; NOM. AMBIG. PROPOS. cf. sub *P. Tacamahaca*, p. 68 b.  
*Populus Caroliniensis* Moench, Verz. Ausl. Bäume Weissenstein, 81 (1785).  
*Populus virginiana* Fougeroux in Mém. Soc. Agr. Paris, 1786: 87 (1787).  
*Populus monilifera* Aiton, Hort. Kew. 3: 406 (1789).  
 ?*Populus laevigata* Aiton, l. c. (1789).  
*Populus nigra* β. *virginiana* Castiglioni, Viagg. Stati Uniti, 2: 334 (1790).  
*Populus dilatata* β. *P. caroliniensis* Willdenow, Berlin. Baumz. 230 (1796).  
*Populus canadensis* Michaux f., Hist. Arb. For. Am. Sept. 3: 298, t. 11 (1813), non Moench (1785).  
*Monilistus monilifera* Rafinesque ex B. D. Jackson, Index Kew. 2: 257 [1894], pro syn.  
*Populus deltoides virginiana* (Castigl.) Sudworth, Check List For. Trees U. S. 65 (U. S. Dept. Agric. Misc. Circ. 92) (1927).  
*Populus deltoides* var. *monilifera* Henry in Gard. Chron. ser. 3, 56: 2, fig. 4 (1914).  
*Aigeiros deltoides* (Bartr.) Tidestrom in Elys. Marian. [2:] 16 (1910).  
*Populus balsamifera* var. *virginiana* (Castigl.) Sargent in Jour. Arnold Arb. 1: 63 (1919).
- P. deltoides** var. **missouriensis** Henry in Gard. Chron. ser. 3, 56: 46 (1914).  
*Populus balsamifera* Linnaeus, Sp. Pl. 1034 (1753), sensu stricto.  
*Populus angulosa* Michaux, Fl. Bor.-Am. 2: 243 (1803).  
*Populus angulata* Michaux f., Hist. Arb. For. Am. Sept. 3: 302, t. 12 (1813), non Aiton (1789).  
*Populus angulata* var. *missouriensis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1811 (1913).  
*Populus deltoides* var. *angulata* Sargent, Trees & Shrubs, 2: 212 (1913), p. p.; non *P. angulata* Ait.  
 ?*Populus tacamahacca* var. *lanceolata* Farwell in Rhodora, 21: 101 (1919), vix Marshall (1785).
- P. deltoides** f. **pilosa** (Sarg.) Palmer & Steyermark in Ann. Missouri Bot. Gard. 22: 513 (Annot. Cat. Flow. Pl. Missouri) (1935); in Rhodora, 43: 660 (1941).  
*Populus balsamifera* var. *pilosa* Sargent in Jour. Arnold Arb. 1: 63 (1919).  
*Populus deltoides pilosa* (Sarg.) Sudworth, Check List For. Trees U. S. 65 (U. S. Dept. Agric. Misc. Circ. 92) (1927).
- P. Palmeri** Sargent in Bot. Gaz. 67: 211 (1919).
- P. angulata** Aiton, Hort. Kew. 3: 407 (1789).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1810, t. 384, 409, fig. 15 (1913).
- P. angulata** f. **cordata** (David), grad. nov.  
*Populus cordata* David ex Thomas in Rev. Hort. 1861: 75 (1861).—Simon-Louis, Cat. Gén. 1869: 72 (1869).  
*Populus angulata cordata* Simon-Louis ex Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1811 (1913).
- P. robusta** [*P. angulata* × *nigra plantierensis*] (Simon-Louis) Schneider, Ill. Handb. Laubh. 1: 11 (1904).—Henry in Gard. Chron. ser. 3, 56: 66, fig. 26 (1914).  
*Populus angulata cordata robusta* Simon-Louis ex Schneider, l. c. (1904), pro syn.  
*Populus Bachelieri* Solemacher in Mitt. Deutsch. Dendr. Ges. 48 (1936): 205, t. 39–42 [1937].
- Sect. v. **TURANGA** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 7: 498 (1851).—Dode in Bull. Soc. Hist. Nat. Autun, 18: 171 (Extr. Monog. Populus, 13) (1905). "subgen."  
*Balsamiflua* ? Griffith, Itin. Notes Pl. Affgh. 211, no. 73 (1848).

**Populus** sect. **TURANGA** (*continued*)

*Turanga* (Bge.) Kimura in Sci. Rep. Biol. Tōhoku Imp. Univ. **13**: 385 (1938).

**P. euphratica** Olivier, Voy. Emp. Ottoman. **3**: 449, fig. 45–46 (1807).—Görz in Repert. Sp. Nov. Reg. Veg. **36**: 20 (1934).

*Populus euphratensis* Jael [pseudon.] in Gard. Chron. **1849**: 806, fig. (1849), cum descr. latin.

*Populus biformis* Rafinesque, Alsogr. **43** (1838).

*Populus diversifolia* Schrenk in Bull. Sci. Acad. Sci. St. Pétersb. **10**: 253 (Nov. Pl. Spec. Song.) (1842).

*Balsamiflua deltoidea* Griffith, Notul. Pl. As. **4**: 382 (1854); Icon. Pl. As. **4**: t. 526 (1854).

*Populus Ariana* Dode in Bull. Soc. Hist. Nat. Autun, **18**: 174, t. 11, fig. A (Extr. Monog. Populus, 16) (1905).

*Populus Litwinowiana* Dode, op. cit. **175**, t. 11, fig. 1E (17) (1905).

*Turanga euphratica* (Oliv.) Kimura in Sci. Rep. Biol. Tōhoku Imp. Univ. **13**: 386 (1938).

*Balsamiflua euphratica* (Oliv.) Kimura in op. cit. **14**: 191 (1939).

**P. pruinosa** Schrenk in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **3**: 210 (1845).

*Populus glaucicomans* Dode in Bull. Soc. Hist. Nat. Autun, **18**: 176, t. 11, fig. 2 (Extr. Monog. Populus, 18) (1905).

*Turanga pruinosa* (Schrenk) Kimura in Sci. Rep. Biol. Tōhoku Imp. Univ. **13**: 388 (1938).

*Balsamiflua pruinosa* (Schrenk) Kimura in op. cit. **14**: 193 (1939).

**CHOSENIA** Nakai in Bot. Mag. Tokyo, **34**: 68 (1920).

TYPE: *Salix bracteosa* Trautv. = *C. bracteosa* (Trautv.) Nakai (*C. splendida* Nakai).

**C. bracteosa** (Trautv.) Nakai, Fl. Sylv. Kor. **18**: 59, t. 3–5 (1930).

*Salix macrolepis* Turczaninow in Bull. Soc. Nat. Moscou, **27**: 371 (1854), p. p.

*Salix bracteosa* Turczaninow ex Trautvetter in Midden-dorf, Reise Sibir. **1,2,2**: 77 (Fl. Ochot. Phaenog.) (1856).

*Salix praecox* Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 242 (1859); non Salisbury (1796), nec Hoppe ex Willdenow [1805].

*Salix pyramidalis* Budishchev in Zapisk. Sibirsk. Otd. Russk. Geogr. Obshch. **9–10**: 462 (1867).—Trautvetter in Act. Hort. Petrop. **9**: 184 (1884).

*Salix bracteata* Trautvetter ex Anderson in De Candolle, Prodr. **16,2**: 213 (1868), pro syn.

*Salix eucalyptoides* F. N. Meyer ex Schneider in Sargent, Pl. Wilson. **3**: 99 (1916).

*Salix splendida* Nakai in Bot. Mag. Tokyo, **32**: 215 (1918). *Salix nobilis* Nakai ex Wilson in Jour. Arnold Arb. **1**: 36 (1919), nom.

*Chosenia splendida* Nakai in Bot. Mag. Tokyo, **24**: 68 (1920).

*Chosenia eucalyptoides* (Schneider) Nakai in Jour. Arnold Arb. **5**: 72 (1924).

*Chosenia macrolepis* Komarov in Mém. Bot. Borodine Jubilé (ed. Jacewski), **281**, fig. (1927).

**SALIX** Linnaeus Sp. Pl. **1015** (1753); Gen. Pl. ed. 5, 447, no. 976 (1754).—Andersson, Monog. Salic. **180** pp., 9 tt. (Svensk. Vetensk. Akad. Handl. **6**, no. **1**) (1867); in De Candolle, Prodr. **16,2**: 191–323 (1868).—Wolf in Izv. Leningr. Liesn. Inst. **4**: 1–84, t. 1–20, **5**: 1–136, t. 21–47 (1900).—Schneider, Ill. Handb. Laubh. **1**: 23–69 (1904); in Sargent, Pl. Wilson. **3**: 40–179 (1917);

in Jour. Arnold Arb. **3**: 61–125 (1921).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 54–350 (1908).—Hao in Repert. Sp. Nov. Reg. Veg. Beih. **93**: 123 pp., 44 t. (Syn. Chin. Salix) (1936).

*Vetrix* Rafinesque in Am. Monthly Mag. **1**: 439 (1817); Alsogr. Am. **13** (1838).

*Disynia* Rafinesque, l. c. (1817), nom. subnud.

*Vimen* Rafinesque, l. c. (1817); Alsogr. Am. **13** (1838); nom. subnud.

*Oisodix* Rafinesque, l. c. (1817); l. c. (1838); nom. subnud.

*Diplopia* Rafinesque, l. c. (1817), nom. subnud.

*Melanix* Rafinesque, l. c. (1817), nom. subnud.

*Amerix* Rafinesque, l. c. (1817), nom. subnud.

*Opodix* Rafinesque, l. c. (1817), nom. subnud.

*Chalebus* Rafinesque, l. c. (1817), nom. subnud.

*Diplima* Rafinesque, Alsogr. Am. **13** (1838), nom. subnud.

*Argorips* Rafinesque, l. c. (1838), nom. subnud.

*Vetrix* subgen. *Stenalex* Rafinesque, op. cit. **17** (1838); Autik: Bot. **77** (1840).

*Usionis* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Biggina* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Nectopix* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Ripselaxis* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Nectusion* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Urnectis* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Sokolofia* Rafinesque, op. cit. **14** (1838), nom. subnud.

*Diamaripts* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Nectolis* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Psatherips* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Vetresmia* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Diplusion* R. 1817 ex Rafinesque, op. cit. **15** (1838), nom. subnud. = *Diplopia* (1817).

*Nestylix* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Amerina* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Ripsoctis* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Pleiarina* Rafinesque, op. cit. **15** (1838), nom. subnud.

*Helix* Dumortier ex Steudel, Nomencl. Bot., ed. 2, **1**: 745 (1840), pro syn.

*Capraea* Opiz, Seznam Rostl. Česk. **25** (1852).

*Grünera* Opiz, op. cit. **48** (1852).

*Knafla* Opiz, op. cit. **56** (1852).

*Lusekia* Opiz, op. cit. **61** (1852).

*Chamitea* Kerner in Verh. Zool.-Bot. Ges. Wien, **10**: 275 (1860).

*Toisusu* Kimura in Bot. Mag. Tokyo, **42**: 288 (1928).

LECTOTYPUS: *S. pentandra* L.

Ser. **NIGRAE** (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, **83** (1940).

*Salix* group *Nigrae* Loudon, Arb. Brit. **3**: 1529 (1838).—Schneider in Bot. Gaz. **65**: 5 (1918) "sect."

**S. nigra** Marshall, Arbust. Am. **139** (1785).—Sargent, Silva N. Am. **9**: 103, t. 462 (1896).—Schneider in Jour. Arnold Arb. **1**: 5 (1919); **3**: 62 (1921).

*Salix pentandra* sensu Walter, Fl. Carol. **243** (1788), non Linnaeus (1753).

?*Salix caroliniana* Michaux, Fl. Bor.-Am. **2**: 226 (1803).—Schneider in Jour. Arnold Arb. **3**: 64 (1921), pro syn.

*Salix flavo-virens* Hornemann, Cat. Hort. Hafn. Suppl. **2**: 11 ex Willdenow, Berlin. Baumz. ed. 2, **426** (1811).

*Salix ligustrina* Michaux f., Hist. Arb. Am. **3**: 326, t. 55 (1813).

*Salix Houstoniana* Pursh, Fl. Am. Sept. **2**: 614 (1814).

?*Salix ambigua* Pursh, op. cit. **617** (1814), non Ehrhart (1791).

*Salix Purshiana* Sprengel, Syst. Veg. **5**: 608 (1828).

- Salix dubia* Trautvetter in Mém. Sav. Étr. Acad. Sci. St. Pétersb. **3**: 626 (1837).
- Nectolis ambigua* Rafinesque, Alsogr. Am. **15** (1838), nom. subnud.
- Amerina nigra* Rafinesque, l. c. (1838), nom. altern. subnud.
- Amerina houstoniana* Rafinesque, l. c. (1838), nom. altern. subnud.
- ?*Amerina Caroliniana* ? (Mx.) Rafinesque, l. c. (1838), nom. altern.
- S. nigra f. falcata** (Pursh), grad. nov.  
*Salix falcata* Pursh, Fl. Am. Sept. **2**: 614 (1814).  
*Salix nigra* var. *falcata* (Pursh) Torrey, Fl. New York, **2**: 209 (1843).—Sargent, Silva N. Am. **9**: 104, t. 463 (1896).
- S. Hankensonii** (*S. alba* × *nigra*) Dode in Bull. Soc. Bot. France, **55**: 652 (1910).
- Ser. PENTANDRAE (Hook.) Moss, Cambridge Brit. Fl. **2**: 14 (1914) "sect. *Amerina* ser. *P*."
- Salix* sect. *Pentandrae* Dumortier in Bijdr. Natuurk. Wetensch. **1**: 58 (Verh. Wilg. 17) (1825), nom.—Borner ex Hooker, Brit. Fl. **4**: 18 (1830) "\*3."
- Salix* ser. *Vitisalix* Dumort. § *Salicaster* Dumortier, Flora Belg. Prodr. **14** (1827).
- S. pentandra** Linnaeus, Sp. Pl. 1016 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 61 (1908).  
*Salix polyandra* [Gleditsch, Syst. Einleit. Forstwiss. **2**: 4, no. 43 (1775).—] Schrank, Baier. Fl. **1**: 228 (1789).  
*Salix fragrans* Salisbury, Prodr. Stirp. Chap. Allert. **393** (1796).  
*Salix lucida* Forbes, Salict. Woburn. **63** (1829), non Muhlberg (1803).  
*Amerina glandulosa* Rafinesque, Alsogr. Am. **15** (1838), nom. altern.  
*Lusekia laurina* Opiz, Sezn. Rostl. Česk. **61** (1852).  
*Salix laurifolia* Wesmael in Bull. Congr. Bot. Brux. **280** (1864).
- S. Meyeriana** (*S. fragilis* × *pentandra*) Rostkovius ex Willdenow, Berlin. Baumz. ed. 2, 427 (1811).  
*Salix tinctoria* Smith in Rees, Cyclop. **31**: S. no. 13 (1815).  
*Salix cuspidata* Schultz, Prodr. Fl. Starg. Suppl. **47** (1819).  
*Amerina tinctoria* Rafinesque, Alsogr. Am. **15** (1838), nom. altern. subnud.  
*Salix pentandra* × *fragilis* Wimmer in Flora, **32**: 38 (1849); Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 203 (1909), cum syn. multis.
- S. Ehrhartiana** [*S. alba* × *pentandra*] Smith in Rees, Cyclop. **31**: S. no. 10 (1815).  
*Salix hexandra* Smith, l. c. (1815), pro syn.; non Ehrhart (1791).  
 ?*Salix hispidolados* Dode in Bull. Soc. Bot. France, **55**: 652 (1910).—Nasarov in Komarov, Fl. S. S. S. R. **5**: 215 (1936), pro syn.
- S. heterandra** (*S. pentandra* × *purpurea*) Dode in Bull. Soc. Bot. France, **55**: 654 (1910).
- S. paraplesia** Schneider in Sargent, Pl. Wilson. **3**: 40 (1916).—Rehder in Jour. Arnold Arb. **4**: 138 (1923).
- S. serissima** (Bailey) Fernald in Rhodora **6**: 6 (1903).—Schneider in Jour. Arnold Arb. **1**: 13 (1919).  
*Salix arguta* \**S. pallescens* Andersson, Monog. Salic. **32** (1867).
- Salix arguta* δ. *pallescens* Andersson in De Candolle, Prodr. **16**: 206 (1868).
- Salix lucida serissima* Bailey in Arthur in Bull. Geol. Nat. Hist. Surv. Minn. **3**: 19 (1887).
- S. lucida** Muhlenberg in Neue Schrift. Ges. Naturf. Fr. Berlin, **4**: 239, t. 6, fig. 7 (1803).—Sargent, Silva N. Am. **9**: 121, t. 473 (1896).—Schneider in Jour. Arnold Arb. **1**: 20 (1919).
- Diplusion lucidum* Rafinesque, Alsogr. Am. **15** (1838), nom. altern. subnud.
- S. lasiandra** Benth. Pl. Hartweg. **335** (1857).—Sargent, Silva N. Am. **9**: 115, t. 469 (1896), exclud. var.—Schneider in Jour. Arnold Arb. **1**: 14 (1919).  
*Salix speciosa* Nuttall, N. Am. Sylva, **1**: 58, t. 17 (1843).  
*Salix Fendleriana* Andersson, Öfv. Förh. Svenska Vetensk.-akad. **15**: 115 (1858), p. p. typ.  
*Salix lucida* \* *macrophylla* Andersson, Monog. Salic. **32** (1867); in De Candolle, Prodr. **16**: 205 (1868) "*S. l. β. m.*"  
*Salix arguta lasiandra* (Benth.) Andersson, op. cit. **33** (1867).  
*Salix lancifolia* Andersson, op. cit. **34**, t. 2, fig. 23 (1867), non A. Braun (1845), pl. fossil., nec Ludwig (1858), pl. fossil.; cf. Little in Jour. Washington Acad. Sci. **33**: 131 (1943).  
*Salix lasiandra* var. *lancifolia* (Anderss.) Bebb in S. Watson, Bot. Calif. **2**: 84 (1879).  
*Salix lasiandra* var. *Lyalli* Sargent in Gard. & For. **8**: 463 (1895).  
*Salix Lyalli* (Sarg.) Heller in Bull. Torrey Bot. Club, **25**: 580 (1898).
- S. longipes** Shuttleworth ex Andersson in Öfv. Förh. Svenska Vetensk.-akad. **15**: 114 (1858).—Schneider in Bot. Gaz. **65**: 21 (1918); in Jour. Arnold Arb. **1**: 24 (1919).  
*Salix caroliniana* Michaux, Fl. Bor.-Am. **2**: 226 (1803).—Fernald in Rhodora, **48**: 28 (1946).  
*Salix occidentalis* Bosc ex Koch, Salic. Eur. Comm. **16** (1828).—Sargent Silva N. Am. **9**: 109, t. 465 (1896), p. p.  
*Salix subvillosa* Elliott ex Nuttall, N. Am. Silva, **1**: 79 (1843), nom.  
*Salix longipes pubescens* Andersson in Öfv. Förh. Svensk. Vetensk.-akad. **15**: 114 (1858).  
*Salix gongylocarpa* Shuttleworth ex Andersson, l. c. (1858), pro syn.  
*Salix floridana* Chapman, Fl. South. U. S. **403** (1860).  
*Salix nigra* \*\*\* *S. longipes* Andersson, Monog. Salic. **22** (1867).  
*Salix nigra* γ. *longipes* Andersson in De Candolle, Prodr. **16**: 201 (1868) exclud. 1° *venulosa*.  
*Salix amphibia* Small, Fl. Miami, **61** (1913).
- S. longipes** var. *Wardii* (Bebb) Schneider in Bot. Gaz. **65**: 22 (1918); in Jour. Arnold Arb. **1**: 27 (1919).  
*Salix cordata* 2. *S. angustata discolor* Andersson, Monog. Salic. **159** (1867); in De Candolle, Prodr. **16**: 252 (1868) "*S. c. β. a. 1° d.*"  
*Salix nigra* var. *Wardii* Bebb in Ward in Bull. U. S. Nat. Mus. **22**: 114 (Guide Fl. Wash.) (1881).  
*Salix Wardii* Bebb in Gard. & For. **8**: 363 (1895).
- Ser. URBANIANAE (Seemen) Rehder, Man. Cult. Trees Shrubs, ed. 2, 83 (1940).  
*Salix* π. *Urbanianae* Seemen, Salic. Jap. **15** (1903).
- S. cardiophylla** Trautvetter & Meyer in Middendorf Reise Sibir. **1,2,2**: (Bot. Abt. **2**): 77, t. 19, 20a-l (Fl.

**Salix cardiophylla** (*continued*)

Ochot.) (1856).—Schneider in Sargent, Pl. Wilson. 3: 103 (1916).

*Toisusu cardiophylla* (Trautv. & Mey.) Kimura in Bot. Mag. Tokyo, 42: 288 (1928).—Sugawara, Ill. Fl. Saghal. 2: 663, t. 311 (1939).

## Ser. AMYGDALINAE (Koch), grad. nov.

*Salix* sect. *Triandrae* Dumortier in Bijdr. Natuurk. Wetensch. 1: 58 (Verh. Wilg. 17) (1825), nom.—Borser ex Hooker, Brit. Fl. 2: 415 (1830), sine statu.—Moss, Cambridge Brit. Fl. 2: 22 (1914) "sect. *Amerina* ser. *T.*"

*Salix* ser. *Vitisalix* §. *Amerina* a. *Triandrae* Dumortier, Florul. Belg. Prodr. 13 (1827), nom.

*Salix* coh. *Amygdalinae* Koch, Salic. Eur. Comm. 17 (1828).

**S. amygdalina** Linnaeus, Sp. Pl. 1016 (1753).—Fries, Novit. Fl. Suec. Mant. 1: 42 (1832).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 74 (1908), cum syn. aliis.

*Salix triandra* Linnaeus, Sp. Pl. 1016 (1753).

*Salix auriculata* Miller, Gard. Dict. ed. 8, S. no. 9 (1768).

*Salix amygdali folio* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 406 (1792).

*Salix Hoppeana* Willdenow, Sp. Pl. 2: 654 [1806].

*Salix androgyna* Hoppe ex Willdenow, l. c. [1806,] pro syn.

*Salix Hoffmanniana* W. B. [axter] in Sowerby, Engl. Bot. Suppl. 1: 2620, t. (1831).

*Nestylis arborea* Rafinesque, Alsogr. Am. 15 (1838), nom. altern.

*Nestylis amygdalina* Rafinesque, l. c. (1838), nom. altern. subnud.

*Nestylis hopeana* Rafinesque, l. c. (1838), nom. altern. subnud.; sphalm. pro *hoppeana*.

*Grünera amygdaloides* Opiz, Sezn. Rostl. Česk. 48 (1852).

*Salix amygdalina* a. *vulgaris* Wimmer, Sal. Eur. 14 (1866).

**S. amygdalina** var. **glaucophylla** (Ser.) Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 77 (1908) "*A. vulgaris* II. *glaucophylla*".

*Salix triandra* (H.) *glaucophylla* Seringe, Ess. Monog. Saul. Suisse, 78 (1815).

*Salix amygdalina* β. *discolor* Wimmer & Grabowski, Fl. Siles. 3: 362 (1829).—Reichenbach, Icon. Fl. Germ. 11: 27, t. 605, fig. 1259 (1849) "γ."—Schneider, Ill. Handb. Laubh. 1: 30 (1904) "var. *vulgaris* Wimmer f. d."

*Salix triandra* var. *Willdenowiana* Trautvetter in Linnaea, 10: 573 (1836).

*Salix triandra* var. *discolor* (Wimm. & Grab.) Andersson in De Candolle, Prodr. 16, 2: 203 (1868).—Nakai, Fl. Sylv. Kor. 18: 87, t. 11 (1930).

*Salix nipponica* Franchet & Savatier, Enum. Pl. Jap. 1: 459 (1875); 2: 502 [1878].

*Salix triandra* var. *nipponica* Seemen, Salic. Jap. 27, t. 2, fig. E-J (1903).

*Salix Kinashii* Léveillé in Bull. Soc. Bot. France, 52: 141 (1905).

*Salix amygdalina* var. *nipponica* (Franch. & Sav.) Schneider in Sargent, Pl. Wilson. 3: 106 (1916).

**S. amygdalina** var. **concolor** Wimmer & Grabowski, Fl. Siles. 3: 362 (1829).

*Salix triandra* Linnaeus, Sp. Pl. 1016 (1753).—Willdenow, Sp. Pl. 4, 2: 654 [1806].

*Salix ligustrina* Host, Salix, 4, t. 15 (1828).

**S. amygdalina** var. **angustifolia** (Ser.) Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 77 (1908) "*a. angustifolia*".

*Salix triandra* (C.) *angustifolia* Seringe, Ess. Monog. Saul. Suisse, 78 (1815).

**S. speciosa** [*S. amygdalina* × *fragilis*] Host, Salix, 5, t. 17 (1828).

*Salix alopeuroides* Tausch, Ind. Pl. Hort. Canal, (1821), nom.?—Opiz, Böheims Phän. Crypt. Gew. 111 (1823), nom.?

*Salix subtriandra* Neilreich in Verh. Zool.-Bot. Ges. Wien, 1: 119 (1851).

*Salix Kovatsii* Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 190 (1860).

**S. mollissima** [*S. amygdalina* × *viminalis*] Ehrhart, Beitr. Naturk. 6: 101 (1791).

*Salix hippophaefolia* Thuillier, Fl. Paris, ed. 2, 514 (1790).

?*Salix undulata* Ehrhart, Beitr. Naturk. 6: 101 (1791).

*Salix Trevirani* Sprengel, Pl. Min. Cog. Pug. 1: 61 (1813).

?*Salix lanceolata* Smith, Eng. Fl. 4: 168 (1829), non Seringe (1815).

*Nectolis hipophefolia* Rafinesque, Alsogr. Am. 15 (1838), nom. subnud.

?*Diplusion undulatum* Rafinesque, l. c. (1838), nom. altern. subnud.

*Salix multiformis* Doell, Fl. Bad. 506 (1859).

**S. Medwedewii** Dode in Bull. Soc. Bot. France, 55: 652 (1910).**S. amygdaloides** Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 114 (1858).—Schneider in Jour. Arnold Arb. 1: 9 (1919).

*Salix nigra* \*\* *S. amygdaloides* Andersson, Monog. Salic. 21 (1867).

*Salix nigra* β. *amygdaloides* Andersson in De Candolle, Prodr. 16, 2: 201 (1868).

Ser. FRAGILES (Koch) Moss, Cambr. Brit. Fl. 2: 17 (1914) "sect. *Amerina* ser. *F.*"

*Salix* sect. *Fragiles* Koch, Salic. Eur. Comm. 13 (1828), p. p. typica.—Fries in Sylloge Pl. Nov. Soc. Bot. Ratisb. 2: 36 (1828), p. p. typica; "trib."

**S. fragilis** Linnaeus, Sp. Pl. 1017 (1753).—Andersson, Monog. Salic. 41 (1867).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 70 (1908).

*Psatherips fragilis* Rafinesque, Alsogr. Am. 15 (1838), nom. subnud.

**S. fragilis** f. **bullata** (Rehd.), grad. nov.

*Salix fragilis bullata* Spaeth, [Kat.] (1906) vel prius; 1915-16: 125 (1915), nom. subnud.—Rehder, Man. Cult. Trees Shrubs, 104 (1927) "var."

*Salix bullata* Hort. ex [Bean in] Kew Hand-list Trees Shrubs, ed. 4, 301 (pro syn.)

*Salix fragilis* mut. *sphaerica* Hryniewiecki & Kobendza in Hryniewiecki in Arch. Nauk. Biol. Tow. Nauk. Warsz. 4: 189 (Tent. Fl. Lithuan. 4) (1933).—Hryniewiecki & Kobendza in Mitt. Deutsch. Dendr. Ges. 1935(47): 167, t. 29 (1935).

**S. fragilis** var. **decipiens** (Hoffm.) Koch, Syn. Fl. Germ. Helv. 643 (1837) "a."

*Salix decipiens* G. F. Hoffmann, Hist. Sal. 2: 9 (1791).

*Oisodix decipiens* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.

**S. rubens** (*S. alba* × *fragilis*) Schrank, Baier. Fl. 1: 226 (1789).

- Salix Russelliana* Willdenow, Sp. Pl. 4:2: 656 [1806].—Koch, Salic. Eur. Comm. 15 (1829).—Non Smith (1804).  
*Salix excelsior* Host, Salix, 8, t. 28/29 (1828).  
*Salix rubens* f. b. *excelsior* (Host) Schneider, Ill. Handb. Laubh. 1: 34 (1904).
- S. rubens** var. **viridis** (Fries) Rehder, Man. Cult. Trees Shrubs, 104 (1927).  
*Salix viridis* Fries, Nov. Fl. Suec. ed. 2, 283 (1828).  
*Salix alba* var. *viridis* Wahlenberg, Fl. Suec. ed. 2, 658 (1833).  
*Salix rubens* f. a. *viridis* Schneider, Ill. Handb. Laubh. 1: 33 (1904).
- S. rubens** var. **palustris** (Host) Rehder, Man. Cult. Trees Shrubs, 104 (1927).  
*Salix Russelliana* Smith, Brit. Fl. 3: 1045 (1804).  
*Salix palustris* Host, Salix, 7, t. 24/25 (1828).  
*Vimen russellianum* (Sm.) Rafinesque, Alsogr. Am. 14 (1836), nom. altern.  
*Salix viridis albescent* Andersson, Monog. Salic. 1: 44 (1867).  
*Salix rubens* f. c. *palustris* (Host) Schneider, Ill. Handb. Laubh. 1: 34 (1904).
- S. Matsudana** Koidzumi in Bot. Mag. Tokyo, 29: 312 (1915).—Schneider in Sargent Pl. Wilson. 3: 107 (1916).
- S. Matsudana** f. **umbraculifera** Rehder in Jour. Arnold Arb. 6: 205 (1925).
- S. Matsudana** f. **tortuosa** Rehder in op. cit. 206 (1925).  
*Salix Matsudana* var. *tortuosa* Vilmorin in Jour. Soc. Nat. Hort. France, ser. 4, 25: 350 (1924), nom.
- S. Matsudana** f. **pendula** Schneider in Bailey, Gent. Herb. 1: 18 (1920).
- S. elegantissima** [? *S. babylonica* × *fragilis*] K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 14: 380 (1871).—Schneider in Sargent, Pl. Wilson. 3: 109 (1916) “(*S. babylonica* L. × *hondoensis* Koidz.)”
- Ser. ALBAE (Hook.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 83 (1940).  
*Salix* ser. *Viti-Salix* sect. *Amerina* Dumortier in Bijdr. Natuurk. Wetensch. 56 (Verh. Wilg. 15) (1825), p. p. max.  
*Salix* \*5. *Albae* Borrer ex Hooker, Fl. Brit. 418 (1830).  
*Salix* ser. *Fragiles* Moss, Cambridge Brit. Fl. 2: 17 (1914), p. p.
- S. jessoensis** Seemen, Salic. Jap. 31, t. 3, fig. F.-L. (1903).
- S. koreensis** Andersson in De Candolle, Prodr. 16:2: 271 (1868).—Schneider in Sargent, Pl. Wilson. 3: 111 (1916).—Rehder in Jour. Arnold Arb. 10: 114 (1929); 18: 273 (1937).—Nasarov in Komarov, Fl. S. S. R. 5: 201 (1936).  
*Salix pogonandra*, *S. pseudo-Gilgiana*, *S. pseudo-Jessoensis*, *S. Feddei* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 436 (1912).  
*Salix pseudo-lasiogyne* Léveillé, l. c. (1912).—Nakai in Bull. Soc. Dendr. France, 1928: 47 (1928); Fl. Kor. Sylv. 18: 168, t. 39 (1930).
- S. Tominii** Dode in Bull. Soc. Bot. France, 55: 652 (1910).
- S. oxica** Dode in op. cit. 653 (1910).—Nasarov in Komarov, Fl. S. S. R. 5: 193 (1936).
- S. alba** Linnaeus, Sp. Pl. 1021 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 78 (1908).  
*Salix pallida* Salisbury, Prodr. Stirp. Chap. Allert. 394 (1796).  
*Salix heterophylla* Bray in Denkschr. Bot. Ges. Regensb. 1: 51 (1815).  
*Argyropsis alba* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.
- S. alba** f. **ovalis** Wimmer, Sal. Eur. 18 (1866).
- S. alba** var. **calva** G. F. W. Meyer, Chloris Hannov. 487 (1836).  
*Salix coerulea* Smith in Sowerby, Eng. Bot. 12: t. 2431 (1812).  
*Salix alba* var. *coerulea* (Sm.) Koch, Syn. Fl. Germ. Helv. 641 (1838).  
*Argyropsis cerulea* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.  
*Salix alba* δ. *denudata* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 48 (Monog. Salic.) (1867).
- S. alba** var. **sericea** Gaudin, Fl. Helv. 6: 206 (1830) “βγ.”  
*Salix splendens* Bray ex Opiz, Böheims Phän. Kryptog. Gew. 110 (1823).  
*Salix alba* var. *leucophylla* Hartig, Vollst. Naturg. Forstl. Culturpfl. 421 (1840).  
*Salix alba* (f.) *argentea* Wimmer, Salic. Eur. 17 (1866).  
*Salix alba* f. *splendens* Andersson in De Candolle, Prodr. 16,2: 211 (1868).  
*Salix regalis* Hort. ex Dippel, Handb. Laubh. 2: 221 (1892), pro syn.
- S. alba** var. **vitellina** (L.) Stokes, Bot. Mat. Med. 4: 506 (1812) “β.”—Seringe, Ess. Monog. Saul. Suisse, 83 (1815) “(B.)”  
*Salix vitellina* Linnaeus, Sp. Pl. 1016 (1753).  
*Salix flexibilis* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 406 (1792).  
*Salix aurea* Salisbury, Prodr. Stirp. Chap. Allert. 393 (1796).  
*Nectolis vitellina* Rafinesque, Alsogr. Am. 15 (1838), nom. subnud.
- S. alba** f. **chermesina** (Hartig), grad. nov.  
*Salix alba* var. *chermesina* Hartig, Vollst. Naturg. Forstl. Culturpfl. 420 (1840).  
*Salix alba britzensis* Späth, Kat. 1878: ? (1878).—Schneider, Ill. Handb. Laubh. 1: 36 (1904) “var. *vitellina* f. b.”  
*Salix vitellina* var. *britzensis* [Otto in] Hamburg. Gart.- & Blumenzeit. 35: 3 (1879).—Späth in Hamburg. Gart.- & Blumenzeit. 39: 513 (1883).
- S. alba** var. **tristis** (Ser.) Gaudin, Fl. Helv. 6: 206 (1833) “ββ.”  
*Salix alba vitellina-tristis* Seringe, Ess. Monog. Saul. Suisse, 83 (1815).  
*Salix vitellina tristis* Baumann ex Seringe, l. c. (1815), pro syn.  
*Salix alba* var. *vitellina pendula* Rehder in Möller's Deutsch. Gärtn.-Zeit. 11: 89, fig. (1896).—Schneider, Ill. Handb. Laubh. 1: 36 (1904) “var. *vitellina* f. p.”  
*Salix chrysocoma* Dode in Bull. Soc. Bot. France, 55: 655 (1910) “(*S. vitellina* × *babylonica*)”.
- S. babylonica** Linnaeus, Sp. Pl. 1017 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 82 (1909).  
*Salix pendula* Moench, Meth. Pl. 336 (1796).  
*Salix perpendens* Seringe, Ess. Monog. Saul. Suisse, 73 (1815).

*Salix* (continued)**S. babylonica** f. *crispa* (Loud.), grad. nov.*Salix cochleata* Dumortier, Florula Belg. 13 (1827).*Salix annularis* Forbes, Salict. Woburn. 41, t. (1829).*Salix babylonica* var. *3. crispa* Hort. ex Loudon, Arb. Brit. 3: 1514, fig. 21 (p. 1606) (1838).*Salix Napoleonis* F. Schultz in Arch. de Flore, 1: 239 (1856).*Salix babylonica* f. *annularis* Ascherson, Fl. Brandenb. 630 (1864).**S. sepulcralis** (*S. alba* × *babylonica*) Simonkai in Természetr. Füzet. 12: 157 (1890).*Salix babylonica* *Salamonii* Carrière in Hort. Franç. 1864: 339 (1864); in Rev. Hort. 1872: 115 (1872).**S. blanda** (*S. babylonica* × *fragilis*) Andersson, Monog. Sal. 50 (1867).? *Salix pendulina* Wenderoth in Schrift. Ges. Beförd. Gesammt. Naturw. Marburg, 2: 235 (1831).—Schneider, Ill. Handb. Laubh. 1: 34, fig. 15d (1904).*Salix Petzoldi* Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 22 (1903), pro syn.*Salix Petzoldi pendula* Hort. ex Rehder, Man. Cult. Trees Shrubs, 106 (1927), pro syn.*Salix Babylonica* var. *dolorosa* Rowen ex Rowlee in Bailey, Cycl. Am. Hort. (4): 1600 (1902); in Bailey, Stand. Cycl. Hort. 6: 3053 (1917), pro syn.

## Ser. LONGIFOLIAE (Anders.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 83 (1940).

*Salix* § 8. *Longifoliae* Andersson in De Candolle, Prodr. 16,2: 214 (1868).**S. interior** Rowlee in Bull. Torrey Bot. Club, 27: 253, t. 9, fig. 12, 13 (1900).*Salix longifolia* Mühlenberg in Neu. Schrift. Ges. Naturf. Fr. Berlin, 4: 238 (1803).—Schneider in Bot. Gaz. 67: 340 (1919).—Non Lamarck (1778).*Oisodix longifolia* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.*Salix fluviatilis* sensu Sargent in Gard. & For. 8: 463 (1895), p. p.; Silva N. Am. 9: 123, t. 474 (1896), p. p.—Non Nuttall (1843).**S. exigua** Nuttall, N. Am. Sylva, 1: 75 (1843).—Schneider in Bot. Gaz. 67: 328 (1919).*Salix longifolia* var. *exigua* (Nutt.) Bebb in S. Watson, Bot. Calif. 2: 85 (1879).*Salix fluviatilis* var. *exigua* (Nutt.) Sargent, Silva N. Am. 9: 124 (1896), p. p.**S. melanopsis** Nuttall, N. Am. Sylva, 1: 78, t. 21 (1843).—Schneider in Bot. Gaz. 67: 336 (1919).**S. argophylla** Nuttall, op. cit. 71, t. 20 (1843).—Schneider in op. cit. 325 (1919).*Salix longifolia* \*\* *argyrophylla* (Nutt.) Andersson in Svenska Vetensk.-akad. Handl. 6,1: 55 (Monog. Salic.) (1867).*Salix macrostachys* sensu Piper in Contrib. U. S. Nat. Herb. 214 (Fl. Wash.) (1906), p. p.; non Nuttall (1845).

## Ser. PSILOSTIGMATAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 83 (1940).

*Salix* sect. *Psilostigmatae* Schneider in Sargent, Pl. Wilson. 3: 115 (1916).**S. phanera** Schneider in op. cit. 50 (1916).

Ser. ERIOSTACHYAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 83 (1940).

*Salix* sect. *Eriostachyae* Schneider in op. cit. 114 (1916).**S. moupinensis** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 10: 82 (Pl. David. 2: 120. 1888) (1887).

—Schneider in Sargent, Pl. Wilson. 3: 46 (1916).

**S. Fargesii** Burkill in Jour. Linn. Soc. Lond. Bot. 26: 528 (1899).

Ser. MAGNIFICA (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 83 (1940).

*Salix* sect. *Magnificae* Schneider in Sargent, Pl. Wilson. 3: 113 (1916).**S. magnifica** Hemsley in Kew. Bull. 1906: 163 (1906).—Hao, Syn. Chin. Salix, 59, t. 12, fig. 23 (1936).**S. pella** Schneider in Sargent, Pl. Wilson. 3: 45 (1916).Ser. HERBACEAE (Hook.) Moss, Cambr. Brit. Fl. 2: 27 (1914) "sect. *Chamaetia* ser. *H.*"*Salix* ser. *Viti-Salix* sect. *Chamaetia* Dumortier in Bijdr. Natuurk. Wetensch. 1: 56 (Verh. Wilg. 15) (1825), p. p. typica; Florula Belg. 14 (1827).*Salix* sect. *Glaciales* Koch, Salic. Eur. Comm. 61 (1828), p. p.*Salix* \*18 *Herbaceae* Borrer ex Hooker, Fl. Brit. 432 (1830).*Salix* sect. *Retusae* Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 195 (1860).**S. herbacea** Linnaeus, Sp. Pl. 1018 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 64 (1908).*Salix pumila* Salisbury, Prodr. Stirp. Chap. Allert. 394 (1796).*Ripselaxis herbacea* (L.) Rafinesque, Alsogr. Am. 14 (1838).**S. simulatrix** (*S. formosa* × *herbacea*) B. White in Jour. Linn. Soc. Lond. Bot. 27: 439 (1890).**S. polaris** Wahlenberg, Fl. Lapp. 261, no. 473 (1812).**S. retusa** Linnaeus, Sp. Pl. ed. 2, 1445 (1763).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 84 (1909).*Vimen retusum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.**S. Cotteti** (*S. myrsinifolia* × *retusa*) Kerner in Oester. Bot. Zeitschr. 14: 368 (1864).**S. serpyllifolia** Scopoli, Fl. Carniol. 2: 255, t. 61 (1760).*Salix retusa* c. *serpyllifolia* (Scop.) Seringe, Ess. Monog. Saul. Suisse, 86 (1815).—Koch, Syn. Fl. Germ. Helv. 660 (1837).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 87 (1909) "subsp. *S. serp.*"*Oisodix serpyllifolia* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.**S. uva-ursi** Pursh, Fl. Am. Sept. 2: 610 (1814).—Schneider in Bot. Gaz. 67: 50 (1919).*Vimen uva-ursi* Rafinesque, Alsogr. Am. 14, (1838), nom. altern. subnud.*Salix Cutleri* Tuckerman in Am. Jour. Sci. 45: 36 (1843).*Salix Myrsinites* var. *parvifolia* sensu Lange, Consp. Fl. Groenl. 1: 108 (1880), non Blytt (1874).*Salix ivigtutiana* Lundström ex Berlin in Öfv. Svenska Förh. Vetensk.-akad. 41: 89 (1884).Ser. RETICULATAE [Fries] Moss, Cambr. Brit. Fl. 2: 25 (1914) "sect. *Chamaetia* ser. *R.*"

- Salix* ser. *Viti-Salix* sect. *Chamaetia* Dumortier in Bijdr. Natuurk. Wetensch. 1: 56 (Verh. Wilg. 15) (1825), p. p.
- Salix* trib. *Reticulatae* Fries in Syll. Pl. Nov. Soc. Bot. Ratisb. 2: 38 (1828), p. p. typica. — Schneider in Bot. Gaz. 67: 43 (1919) "sect."
- Chamitea* Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 275 (1860).
- Salix* sect. *Chamiteae* (Kern.) Camus, Class. Saul. Eur. 1: 129 (1904).
- S. reticulata** Linnaeus, Sp. Pl. 1018 (1753). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 67 (1908). — Schneider in Sargent, Pl. Wilson. 3: 144 (1916); in Bot. Gaz. 67: 44 (1919).
- Oisodix reticulata* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.
- Nectusion reticulatum* Rafinesque, op. cit. 14 (1838), nom. altern. subnud.
- Chamitea reticulata* (L.) Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 277 (1860).
- Salix orbicularis* Andersson in De Candolle, Prodr. 16,2: 300 (1868). — Rydberg in Bull. New York Bot. Gard. 1: 260 (1899).
- S. vestita** Pursh, Fl. Am. Sept. 610 (1814). — Schneider in Bot. Gaz. 67: 45 (1919).
- Salix reticulata* var. *vestita* Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 133 (1858), p. p.
- S. vestita** var. *erecta* Andersson in De Candolle, Prodr. 16,2: 300 (1868).
- Salix Fernaldii* Blankinship in Montana Agric. Coll. Sci. Studies, 1: 46 (1905).
- S. nivalis** Hooker, Fl. Bor.-Am. 2: 152 [1839]. — Schneider in Bot. Gaz. 67: 47 (1919).
- ?*Salix vestita* β. *nana* Hooker, Fl. Bor.-Am. 2: 152 [1839].
- Salix reticulata* c. *nana* Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 133 (1858), p. p.
- Salix reticulata* β. *nivalis* (Hook.) Andersson in De Candolle, Prodr. 16,2: 301 (1868).
- S. nivalis** var. *saximontana* (Rydb.) Schneider in Bot. Gaz. 67: 47 (1919).
- Salix saximontana* Rydberg in Bull. New York Bot. Gard. 1: 261 (1899).
- Salix aemulans* Seemen in Bot. Jahrb. 29, Beibl. 65: 28 (1900).
- Ser. **OVALIFOLIAE** (Rydb.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).
- Salix Ovalifoliae* Rydberg in Bull. New York Bot. Gard. 1: 274 (1899), p. p. typ. — Schneider in Bot. Gaz. 67: 56 (1919) "sect."
- Salix Arcticae* Rydberg in op. cit. 263 (1899), p. p.; non Andersson (1858).
- Salix* sect. *Diplodictyae* Schneider in Sargent, Pl. Wilson, 3: 136 (1916).
- S. petrophila** Rydberg in Bull. New York Bot. Gard. 1: 268 (1899). — Schneider in Bot. Gaz. 66: 135 (1918).
- Salix arctica* δ. *petraea* Andersson in De Candolle, Prodr. 16,2: 287 (1868).
- Salix arctica* R. Br. *subalpestris* Andersson msc. ex Schneider in Bot. Gaz. 66: 136 (1918); in Jour. Arnold Arb. 3: 67 (1921), pro synonym.
- S. arctica** Pallas, Fl. Ross. 1,2: 86 (1788). — Schneider in Bot. Gaz. 66: 118 (1918).
- Salix Pallasii* β. *diplodictya* Andersson in De Candolle, Prodr. 16,2: 285 (1868), p. p.
- Ser. **GLAUCAE** [Fries] Moss, Cambridge Brit. Fl. 2: 33 (1914) "sect. *Vetrix* ser. G."
- Salix* trib. *Glaucæ* Fries in Syll. Pl. Nov. Soc. Bot. Ratisb. 2: 36 (1828), p. p. typ. — Schneider in Bot. Gaz. 66: 319 (1918); 67: 58 (1919) "sect."
- Salix* sect. *Frigidae* Koch, Salic. Eur. Comm. 53 (1828), p. p.
- Salix* sect. *Sericeae* Koehne, Deutsche Dendr. 86 (1893).
- Salix Arcticae* Rydberg in Bull. New York Bot. Gard. 1: 263 (1899), p. p.; non Andersson (1858).
- S. brachycarpa** Nuttall, N. Am. Sylva, 1: 69 (1843). — Schneider in Bot. Gaz. 66: 336 (1918).
- Salix desertorum* sensu Andersson in De Candolle, Prodr. 16,2: 281 (1868), p. p.; non Richardson (1823).
- Salix stricta* Rydberg in Bull. New York Bot. Gard. 1: 273 (1899).
- S. glauca** Linnaeus, Sp. Pl. 1019 (1753). — Schneider in Sargent, Pl. Wilson. 3: 147 (1916).
- Oisodix glauca* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.
- S. glauca** var. *acutifolia* (Hook.) Schneider in Bot. Gaz. 66: 327 (1918).
- ?*Salix Stuartiana* sensu Hooker, Fl. Bor.-Am. 2: 151 [1839], non Smith (1828).
- Salix villosa* Barratt ex Hooker, Fl. Bor.-Am. 2: 144 [1839], p. p.
- Salix villosa* var. *acutifolia* Hooker, l. c. [1839].
- Salix glauca* var. *villosa* (Barratt) Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 127 (1858), p. p.
- Salix glaucops* Andersson in De Candolle, Prodr. 16,2: 281 (1868), p. p.
- Salix glaucops* a. *villosa* Andersson, l. c. (1868), p. p.
- Salix Seemannii* Rydberg in Bull. New York Bot. Gard. 2: 164 (1901).
- Salix glauca* var. *Seemannii* Ostenfeld in Vidensk.-Selskab. Christiania Skrift. 1909, no. 8: 34 (Vasc. Pl. Arct. N. Am. Göa Exp.) (1910) "*Seemannii*".
- S. glauca** var. *glabrescens* (Anders.) Schneider in Bot. Gaz. 66: 329 (1918).
- Salix glaucops* var. *glabrescens* Andersson in De Candolle, Prodr. 16,2: 281 (1868).
- Salix Austiniae* sensu Rydberg, Fl. Rocky Mts. 198 (1917), p. p.; non Bebb (1879).
- S. pyrenaica** Gouan, Ill. Obs. Bot. 77 (1773).
- Salix ciliata* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 293 (1805).
- Vimen pyrenaicum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.
- S. argyrocarpa** Andersson in Svenska Vetensk.-akad. Handl. 6,1: 107, t. 6, fig. 60 (Monog. Salic.) (1867). — Schneider in Jour. Arnold Arb. 2: 88 (1920).
- Salix fusca* sensu Oakes in Mag. Hort. Bot. (Hovey), 7: 184 (1841), non Linnaeus (1753).
- Salix ambigua* sensu Tuckerman in Am. Jour. Sci. 45: 35 (1843), non Ehrhart (1791).
- Ser. **CAPREAE** [Bluff & Fingerh.] Moss, Cambridge Brit. Fl. 2: 51 (1914) "sect. *Vetrix* ser. C."
- Salix* c. *Caprae* Bluff & Fingerhut, Comp. Fl. Germ. 2: 565 (1825). — Koch, Salic. Eur. Comm. 31 (1828) "cohors."
- Salix* ser. *Capri-Salix* sect. *Vetrix* Dumortier in Bijdr. Natuurk. Wetensch. 1: 54 (Verh. Wilg. 14) (1825), p. p. typ.
- Salix* ser. *Caprisalix* § *Vetrix* a. *Capraeae* Dumortier, Florula Belg. 11 (1927), nom.



**Salix** ser. CAPREAE (continued)

- Salix* trib. *Cinereae*, Fries in Syll. Pl. Nov. Soc. Bot. Ratisb. 2: 37 (1828). — Borrer ex Hooker, Brit. Fl. 424 (1830), "S. C."
- Salix* vi. *Capreaceae* Hartig, Vollst. Naturg. Forstl. Culturpfl. 402 (1840).
- Salix* sect. *Rugosae* Reichenbach ex Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 242 (1860).
- S. discolor** Mühlenberg in Neu. Schrift. Ges. Naturf. Fr. Berlin, 4: 234, t. 6, fig. 1 (1803). — Schneider in Jour. Arnold Arb. 2: 2 (1920).
- Salix conifera* Wangenheim, Beytr. Deutsch. Holzg. Forstwiss. Nordam. Holz. 123, t. 31, fig. 72 (1787), p. p.
- Salix prinoides* Pursh, Fl. Am. Sept. 2: 613 (1814).
- Vimen discolor* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.
- Vimen prinoides* Rafinesque, l. c. (1838), nom. altern. subnud.
- ?*Salix sensitiva* Barratt, Salic. Am. no. 8 (1840).
- Salix (phylicifolia) \*discolor* Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 123 (1858), p. p.
- Salix discolor virescens* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 85 (Monog. Salic.) (1867).
- Salix discolor* \*\* *S. prinoides* Andersson in op. cit. 86 (1867).
- Salix squamata* Rydberg in Britton, Man. Fl. N. St. Can. 317 (1901).
- S. discolor** var. *latifolia* Andersson in op. cit. 84 (1867). — Schneider in Jour. Arnold Arb. 2: 5 (1920).
- Salix eriocephala* Michaux, Fl. Bor.-Am. 2: 225 (1803).
- Salix discolor* β? *eriocephala* (Michx.) Andersson in De Candolle, Prodr. 16,2: 225 (1868).
- S. Scouleriana** Barratt ex Hooker, Fl. Bor.-Am. 2: 145 [1839], exclud. fol. — Schneider in Jour. Arnold Arb. 2: 6 (1920).
- Salix Hookeriana* sensu Nuttall, Sylva N. Am. 1: 64 (1843), p. p.; non Barratt ex Hooker (1839).
- Salix flavescens* Nuttall, op. cit. 65 (1843), non Host (1828).
- Salix stagnalis* Nuttall, op. cit. 66 (1843).
- Salix brachystachys* \**S. Scouleriana* (Barratt) Andersson in Svenska Vetensk.-akad. Handl. 6,1: 83, t. 5, fig. 48 (Monog. Salic.) (1867), exclud. var. *crassijulis*.
- Salix Nuttallii* Sargent in Gard. & For. 8: 463 (1895), exclud. var.
- Salix Scouleriana* var. *flavescens* (Nutt.) J. K. Henry, Fl. S. Brit. Columb. 98 (1915).
- S. Wallichiana** Andersson in Svenska Vetensk.-akad. Handl. 1850: 477 (1851); in op. cit. 6,1: 80, t. 5, fig. 46 (Monog. Salic.) (1867). — Schneider in Sargent, Pl. Wilson. 3: 64 (1916). — Hao in Repert. Sp. Nov. Reg. Veg. Beih. 93: 92 (Syn. Chin. Salix) (1936).
- Salix grisea* Wallich, Num. List. no. 3700 [1829], nom.
- Salix Wallichiana* var. *grisea* (Wall.) Andersson in Svenska Vetensk.-akad. Handl. 6,1: 80 (Monog. Salic.) (1867).
- Salix pachyclada* Léveillé in Repert. Sp. Nov. Reg. Veg. 3: 22 (1906).
- Salix funebris* Léveillé in op. cit. 12: 287 (1913). — Rehder in Jour. Arnold Arb. 10: 116 (1929), pro syn.
- Salix Mairei* Léveillé in op. cit. 13: 342 (1914).
- S. livida** Wahlenberg, Fl. Lapp. 272 (1812). — Götz in Repert. Sp. Nov. Reg. Veg. 36: 24 (1934).
- Salix arbuscula* a. Linnaeus, Sp. Pl. 1018 (1753).
- ?*Salix Starkeana* Willdenow, Sp. Pl. 4,2: 677 [1806]. — Schneider in Sargent, Pl. Wilson. 3: 151 (1916).
- Salix depressa* β. *livida* Fries, Nov. Fl. Suec. Mant. 1: 58 (1832). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 115 (1909) "S. d. a. l."
- Vimen starkeanum* Rafinesque, Alsogr. Am. 14 (1836), nom. altern. subnud.
- Salix depressa* γ. *Starkeana* Reichenbach, Icon. Fl. Germ. 11: 19, t. 567, fig. 1209 (1849).
- Salix vagans* Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 121 (1858).
- Salix livida* var. *Starkeana* Toepffer, Salicol. Mitt. 4: 215 (1911).
- Salix livida* var. *eulivida* Götz in Repert. Sp. Nov. Reg. Veg. 36: 25 (1934).
- S. livida** var. *cinerascens* Wahlenberg, Fl. Lapp. 275 (1812).
- Salix depressa* var. *cinerascens* (Wahlenb.) Fries, Nov. Fl. Suec. Mant. 1: 57 (1832).
- Salix depressa* var. *velutina* Koch, Syn. Fl. Germ. Helv. 653 (1837).
- Salix vagans* subsp. *cinerascens* var. *Linnaeana* Andersson in Proc. Am. Acad. Arts Sci. 4: 61 (Salic. Bor. Am. 16) (1858).
- Salix vagans* var. *a. cinerascens* Andersson in De Candolle, Prodr. 16,2: 226 (1868).
- Salix Starkeana* var. *cinerascens* (Wahlenb.) Schneider in Sargent, Pl. Wilson. 3: 151 (1916).
- S. caprea** Linnaeus, Sp. Pl. 1020 (1753). — Dumortier, Florula Belg. 11 (1827) "*S. Capraea*." — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 98 (1909). — Schneider in Sargent, Pl. Wilson. 3: 149 (1916). — Hao in Repert. Sp. Nov. Reg. Veg. Beih. 93: 90 (Syn. Chin. Salix) (1936).
- Salix ovato folio* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 409 (1792).
- Nectopix caprea* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.
- Salix latifolia* Bauhin ex Bubani, Fl. Pyren. 1: 58 (1897), non Forbes (1829).
- S. caprea** f. *pendula* [Th. Lang] Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 576 (1864) "(f.)" — Jäger, Ziergeh. 486 (1865) "var."
- Salix caprea pendula* Th. Lang in Gard. Chron. 1853: 85 (1853).
- Salix caprea* f. *Kilmarnockii* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 25 (1903).
- S. latifolia** [*S. caprea* × *myrsinifolia*] Forbes, Salict. Woburn. 235, t. 118 (1829).
- S. laurina** [*S. caprea* × *phylicifolia*] Smith in Trans. Linn. Soc. Lond. 6: 122 (1802).
- Salix bicolor* Smith in Sowerby, Engl. Bot. 26: 1806, t. (1808), non Ehrhart (1790).
- S. grandifolia** Seringe, Ess. Monog. Saul. Suisse, 20 (1815). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 103 (1909), cum syn. aliis.
- ?*Salix appendiculata* Villars, Hist. Pl. Dauphin. 3: 775 (1789).
- S. silesiaca** Willdenow, Sp. Pl. 4,2: 660 [1806]. — Seemen in op. cit. 107 (1909).
- Vimen silesiacum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.
- Salix Mauschkii* Hartig, Vollst. Naturg. Forstl. Culturpfl. 396 (1840).
- S. aurita** Linnaeus, Sp. Pl. 1019 (1753). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 111 (1909).

- Salix rugosa* Seringe, Ess. Monog. Saul. Suisse, 18 (1815).  
*Usionis aurita* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.
- S. multinervis** [*S. aurita* × *cinerea*] Döll, Fl. Bad. 516 (1859).  
*Salix lutescens* Kerner, Niederöstr. Weid. 253 (1859).
- S. ambigua** [*S. aurita* × *repens*] Ehrhart, Beitr. Naturk. 6: 103 (1791).
- S. ludificans** (*S. aurita* × *phylicifolia*) F. B. White in Jour. Linn. Soc. Lond. Bot. 27: 405 (1890).
- S. cinerea** Linnaeus, Sp. Pl. 1021 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 93 (1909).  
*Salix acuminata* Müller, Gard. Dict. ed. 8, S. no. 14 (1768).  
*Salix dumetorum* Suter, Fl. Helv. 2: 284 (1802).  
*Salix aquatica* Smith, Fl. Brit. 3: 1065 (1804).  
*Vimen cinereum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
*Usionis aquatica* Rafinesque, l. c. (1838), nom. altern. subnud.
- S. cinerea** f. *variegata* (Seringe), grad. nov.  
 ?*Salix caprea* 5. *variegata* Weston, Bot. Univ. 1: 263 (1770).—Rehder, Man. Cult. Trees Shrubs, 110 (1927).  
*Salix acuminata variegata* Seringe, Essai Monog. Saul. Suisse, 13 (1815).  
*Salix cinerea* 5. *variegata* Gaudin, Fl. Helv. 6: 242 (1830).  
*Salix caprea* 3. *tricolor* Hort. ex Kirchner in Petzold & Kirchner, Arb. Musc. 576 (1864).—K. Koch, Dendr. 2, 1: 563 (1872), pro syn. sub *S. cinerea*.—Zabel in Beissner et al., Handb. Laubh.-Ben. 24 (1903) (f.).  
*Salix cinerea* f. *tricolor* Dippel, Handb. Laubh. 2: 50 (1892).—Rehder, Man. Cult. Trees Shrubs, 111 (1927).
- S. renecia** (*S. cinerea* × ?) Dode in Bull. Soc. Bot. France, 55: 656, fig. (1908).
- S. Wardiana** (*S. cinerea* × *phylicifolia*) F. B. White in Jour. Linn. Soc. Lond. Bot. 27: 403 (1890).  
*Salix cinerea* × *phylicifolia* Blytt in Meddel. Soc. Faun. Fl. Fenn. 11: 170 (1885).
- S. Medemii** Boissier, Diagn. Pl. Or. sér. 1, 7: 100 (1846).
- Ser. INCUBACEAE (Fries) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).  
*Salix* § *Vetrix* b. *Incubaceae* Dumortier, Florula Belg. 12 (1827), nom.  
*Salix* trib. *Incubaceae* Fries in Sylloge Pl. Nov. Soc. Bot. Ratisb. 2: 38 (1828).  
*Salix* \*8. *Fuscae* Borrer ex Hooker, Brit. Fl. 420 (1830), p. p.  
*Salix* sect. *Argenteae* Koch, Salic. Eur. Comm. 46 (1828), p. p. typ.  
*Salix* sect. *Repentes* Wimmer, Fl. Schles. ed. 2, 335 (1841), p. p. typ.  
*Salix* sect. *Vetrix* ser. *Rosmarinifoliae* (Borr.) Moss, Cambridge Brit. Fl. 2: 48 (1914).
- S. repens** Linnaeus, Sp. Pl. 1020 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 123 (1909).  
*Salix fusca* Linnaeus, Sp. Pl. 1020 (1753).  
*Salix depressa* Hoffmann, Hist. Sal. 1: 63, t. 15, 16 (1787), non Linnaeus (1753).  
*Salix nitens* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 408 (1792).
- Salix rostrata* Thuillier, Fl. Paris, 516 (1799).  
*Salix prostrata* Smith, Fl. Brit. 3: 1060 (1804).  
*Salix parvifolia* Smith, Engl. Bot. 28: t. 1961 (1809).  
*Salix decumbens* Forbes, Salic. Woburn. 175, t. 88 (1829).  
*Vimen repens* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
*Vimen prostratum* Rafinesque, l. c. (1838), nom. altern. subnud.  
*Vimen parvifolium* Rafinesque, l. c. (1838), nom. altern. subnud.  
*Salix repens* a. *eurepens* Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 125 (1909).
- S. repens** var. *nitida* [Ser.] Wenderoth, Fl. Hass. 345 (1846) "β."  
*Salix arenaria* Linnaeus, Sp. Pl. 1019 (1753), p. p.  
*Salix lanata* Thuillier, Fl. Paris, 516 (1799).  
*Salix argentea* Smith, Fl. Brit. 3: 1059 (1804).  
*Salix depressa* c. *nitida* Seringe, Ess. Monog. Saul. Suisse, 10 (1815).  
*Salix repens* γ. *argentea* (Sm.) Wimmer & Grabowski, Fl. Siles. 2, 2: 380 (1829).—Koch, Syn. Fl. Germ. Helv. 2: 656 (1837).  
*Salix repens* γ. *sericea* Gaudin, Fl. Helv. 6: 234 (1830).  
*Biggina argentea* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
*Salix repens* var. *arenaria* Andersson in Svenska Vetensk.-akad. Handl. 6, 1: 115 (Monog. Salic.) (1867).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 126 (1909).
- S. repens** var. *rosmarinifolia* (L.) Wimmer & Grabowski, Fl. Siles. 2: 380 (1829) "α."—Seemen in op. cit. 127 (1909) "S. r. b. r."; cum syn. aliis.  
*Salix rosmarinifolia* Linnaeus, Sp. Pl. 1020 (1753).  
 ?*Salix incubacea* Linnaeus, Sp. Pl. 1020 (1753).  
*Salix angustifolia* Wulfen in Jacquin, Coll. 3: 48 (1789).  
*Usionis rosmarinifolia* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
*Salix repens* var. *angustifolia* Neilreich, Fl. Wien, 79 (1846).—Grenier & Godron, Fl. France, 3: 157 (1848).
- S. gracilis** Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 127 (1858).—Rydberg, Fl. Rocky Mts. 195 (1917).—Fernald in Rhodora, 48: 46 (1946).  
*Salix petiolaris* sensu Pursh, Fl. Am. Sept. 2: 616 (1814).—Britton & Brown, Ill. Fl. N. U. S. 1: 500, fig. 1189 (1896).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 325, fig. 659 (1908).—Schneider, in Jour. Arnold Arb. 2: 16 (1920), p. p.—Rehder, Man. Cult. Trees Shrubs, 101 (1940).—Non J. E. Smith (1802), nec Willdenow [1806].  
*Salix purpurea* sensu Richardson in Franklin, Narr. Jour. Polar Sea, 752 (Bot. App. VII. 24, no. 387) (1833), non Linnaeus (1753).  
*Usionis petiolaris* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
*Salix rosmarinifolia* sensu Hooker, Fl. Bor.-Am. 2: 148 [1839], non Linnaeus (1753).  
*Salix petiolaris* \* *rosmarinoides* Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 127 (1858).—Schneider in Jour. Arnold Arb. 2: 19 (1920) "var."  
*Salix petiolaris* \* *S. gracilis* Andersson in Svenska Vetensk.-akad. Handl. 6: 109 (Monog. Salic.) (1867).  
*Salix petiolaris* γ. *angustifolia* Andersson in De Candolle, Prodr. 16, 2: 234 (1868), p. p.—Fernald & Wiegand in Rhodora, 12: 137 (1910).  
*Salix petiolaris* δ. *gracilis* Andersson in op. cit. 235 (1868).
- S. gracilis** var. *textoris* Fernald in Rhodora, 48: 46 (1946).

**Salix** (continued)

**S. petiolaris** J. E. Smith in Trans. Linn. Soc. 6: 122 (1802); in Engl. Bot. 16: t. 1147 (1803). — Willdenow, Sp. Pl. 4: 665 [1806]. — J. Forbes, Salict. Woburn. 45, t. 23 (1829).

*Salix grisea* β. *subglabrata* Koch, Salic. Eur. 21 (1828), in nota.

**S. sericea** Marshall, Arbust. Am. 140 (1785). — Schneider in Jour. Arnold Arb. 2: 14 (1920).

*Salix grisea* Willdenow, Sp. Pl. 4: 699 [1806].

*Salix pennsylvanica* Forbes, Salict. Woburn. 189, t. 95 (1829), non *S. pennsylvanica* W. Young (1783), nec Pursh (1814), pro syn.

*Usionis grisea* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.

*Salix petiolaris* var. *grisea* (Willd.) Torrey, Fl. New York, 2: 207 (1843).

*Salix petiolaris* \**S. sericea* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 110, t. 6, fig. 61 (Monog. Salic.) (1867).

*Salix petiolaris* e. *sericea* (Marsh.) Andersson in De Candolle, Prodr. 16,2: 235 (1868).

**S. humilis** Marshall, Arbust. Am. 140 (1785). — Schneider in Jour. Arnold Arb. 2: 20 (1920).

*Salix conferta* Wangenheim, Beytr. Deutsch. Holzg. Forstw. Nordam. Holzart. 123, t. 31, fig. 72 (1787), p. p.

*Salix occidentalis* Walter, Fl. Carol. 243 (1788).

*Salix Mühlenbergiana* Willdenow, Sp. Pl. 4: 693 [1806], p. p.

*Vimen mühlenbergianum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.

*Usionis humilis* Rafinesque, op. cit. 17 (1838).

**S. tristis** Aiton, Hort. Kew. 3: 393 (1789). — Schneider in Jour. Arnold Arb. 2: 24 (1920).

*Salix alpina* Walter, Fl. Carol. 243 (1788), non Scopoli (1772).

*Salix longirostris* Michaux, Fl. Bor.-Am. 2: 226 (1803).

*Salix conferta* sensu Willdenow, Sp. Pl. 4: 705 [1806], p. p.; non Wangenheim (1787).

*Salix Mühlenbergiana* Willdenow, Sp. Pl. 4: 693 [1806], p. p.

?*Biggiana conferta* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.

*Salix tristis microphylla* Andersson in Öfv. Förh. Svensk. Vetensk.-akad. 15: 126 (1858).

*Salix humilis* var. *tristis* (Ait.) Griggs in Proc. Ohio Acad. Sci. 4: 301, t. 10 (1905).

*Salix humilis* var. *microphylla* (Anderss.) Fernald in Rhodora, 48: 46 (1946).

Ser. **FULVAE** (Barratt) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).

*Salix* sect. *Fulvae* Barratt, Sal. Am. sect. vii (1840). — Schneider in Jour. Arnold Arb. 2: 66 (1920).

*Salix* sect. *Cinerascentes* Andersson in Öfv. Förh. Svensk. Vetensk.-akad. 15: 122 (1858), p. p.

*Salix* XII *Rostratae* Ball in Coulter & Nelson, New Man. Bot. Rocky Mts. 138 (1899).

**S. Bebbiana** Sargent in Gard. & For. 8: 463 (1895); Silva N. Am. 9: 131, t. 477 (1896). — Schneider in Jour. Arnold Arb. 2: 66 (1920).

*Salix rostrata* Richardson, Bot. App. in Franklin, Narr. Jour. Polar Sea, 753 (1823), non Thuillier (1799).

*Salix vagans* 1. *S. rostrata* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 87 (Monog. Salic.) (1867), p. p.

*Salix vagans* b. *occidentalis* Andersson in Öfv. Förh. Vetensk.-akad. 15: 122 (1858).

*Salix livida* var. *occidentalis* Gray, Man. Bot. N. U. S. ed. 5, 464 (1867).

*Salix vagans* β. *rostrata* 3. *obovata* Andersson in De Candolle, Prodr. 16,2: 227 (1868).

*Salix depressa* c. *rostrata* (Richards.) Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 119 (1909).

**S. Bebbiana** var. *perrostrata* (Rydb.) Schneider in Jour. Arnold Arb. 2: 71 (1920).

*Salix Bebbiana* sensu Rydberg in Contrib. U. S. Nat. Herb. 3: 523 (1896), p. p. max.; non Sargent (1895).

*Salix perrostrata* Rydberg in Bull. New York Bot. Gard. 2: 163 (1901).

*Salix rostrata* var. *perrostrata* Fernald in Rhodora, 16: 177 (1914).

**S. Geyeriana** Andersson in Öfv. Förh. Svensk. Vetensk.-akad. 15: 122 (1858). — Schneider in Jour. Arnold Arb. 2: 73 (1920).

*Salix macrocarpa* Nuttall, N. Am. Sylva, 1: 67 (1843), p. p.; non Trautvetter (1832).

Ser. **MYRTILLOIDES** (Loud.), grad. nov.

*Salix* group XX *Myrtilloides* Borrer ex Loudon, Arb. Brit. 3: 1587 (1838).

*Salix* sect. *Arbusculae* Barratt ex Hooker, Fl. Bor.-Am. 2: 150 [1839], p. p.

*Salix* sect. *Virentes* Andersson in Öfv. Förh. Svensk. Vetensk.-akad. 15: 123 (1858), p. p.

*Salix* sect. *Roseae* (s. *Myrtilloides*) Andersson in Svensk. Vetensk.-akad. Handl. 6,1: 94 (Monog. Salic.) (1867) — Schneider in Jour. Arnold Arb. 2: 81 (1920). — Rehder, Man. Cult. Trees Shrubs, 95 (1927) "group"; ed. 2, 84 (1940) "ser."

*Salix* sect. *Argenteae* subsect. *Myrtilloides* (Anders.) Schneider, Ill. Handb. Laubh. 1: 63 (1904).

**S. pedicellaris** Pursh, Fl. Am. Sept. 2: 611 (1814). — Fernald in Rhodora, 11: 157 (1909). — Schneider in Jour. Arnold Arb. 2: 81 (1920).

?*Salix pennsylvanica* W. Young, Cat. Arb. Arbust. Am. 22 (1783), nom. — Pursh, Fl. Am. Sept. 2: 611 (1814), pro syn.

*Salix myrtilloides* sensu Tuckerman in Am. Jour. Sci. 45: 34 (1843), non Linnaeus (1753).

*Usionis pedicellaris* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.

*Salix myrtilloides* subsp. *S. pedicellaris* (Pursh) Andersson in Svenska Vetensk.-akad. Handl. 6,1: 96 (Monog. Salic.) (1867).

*Salix myrtilloides* var. β. *pedicellaris* (Pursh) Andersson in De Candolle, Prodr. 16,2: 230 (1868).

**S. myrtilloides** Linnaeus, Sp. Pl. 1019 (1753). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 120 (1909).

*Salix elegans* Besser, Enum. Pl. Volhyn. 77 (1821).

Ser. **BALSAMIFERAE** (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).

*Salix* sect. *Balsamiferae* Schneider, Ill. Handb. Laubh. 1: 57 (1904).

**S. pyrifolia** Andersson in Svensk. Vetensk.-akad. Handl. 6,1: 162, t. 8 fig. 93 (Monog. Salic.) (1867), exclud. var. *obscura*. — Schneider in Jour. Arnold Arb. 1: 168 (1920).

*Salix cordata* β. *balsamifera* Hooker, Fl. Bor.-Am. 2: 149 (1839).

- Salix balsamifera* Barratt ex Hooker, l. c. (1839), pro syn. — Bebb in Bot. Gaz. 4: 190 (1879).
- Salix pyrifolia* α. *laeta* Andersson in De Candolle, Prodr. 16, 2: 254 (1868).
- Salix Columbiae* Nelson in Bot. Gaz. 54: 473 (1913).
- Ser. LONGIFLORAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).
- Salix* sect. *Longiflorae* Schneider in Sargent, Pl. Wilson. 3: 120 (1916).
- Salix* sect. *Cathayanae* Hao in Repert. Sp. Nov. Veg. Reg. Beih. 93: 78 (Syn. Chin. Salix) (1936).
- S. hypoleuca** Seemen in Bot. Jahrb. 36, Beibl. 82: 31 (1905). — Hao in Repert. Sp. Nov. Veg. Reg. Beih. 93: 77, fig. 52 (Syn. Chin. Salix) (1936).
- S. cathayana** Diels in Notes Bot. Gard. Edinb. 5: 281 (1912). — Hao in op. cit. 82 (Syn. Chin. Salix) (1936).
- S. macroblasta** Schneider in Sargent, Pl. Wilson. 3: 58 (1916). — Hao in op. cit. 76, fig. 49 (1936).
- Ser. HETEROCHROMAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).
- Salix* sect. *Heterochromae* Schneider in Sargent, Pl. Wilson. 3: 121 (1916).
- S. heterochroma** Seemen in Bot. Jahrb. 21, Beibl. 53: 56 (1896). — Schneider in op. cit. 61 (1916). — Hao in op. cit. 85, fig. 59 (1936).
- Salix Henryi* Burkill in Jour. Linn. Soc. Lond. Bot. 26: 530 (1899).
- Ser. CANDIDAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).
- Salix* sect. *Cinereae* Barratt ex Hooker, Fl. Bor.-Am. 2: 144 (1839), p. p.; non Fries (1828).
- Salix* sect. *Incanae* Koehne, Deutsche Dendr. 88 (1893), p. p.
- Salix* sect. *Candidae* Schneider, Ill. Handb. Laubh. 1: 46 (1904); in Jour. Arnold Arb. 1: 226 (1920).
- Salix* ix. *Argenteae* Rydberg, Fl. Rocky Mts. 189 (1917) "*Argentea*", p. p.
- S. candida** Flügge ex Willdenow, Sp. Pl. 4, 2: 708 [1806]. — Schneider in Jour. Arnold Arb. 1: 227 (1920).
- Salix incana* Michaux, Fl. Bor.-Am. 2: 225 (1803), non Schrank (1789).
- Salix Mühlenbergiana* Willdenow, Sp. Pl. 4: 692 (1805), p. p. quoad syn. Michaux.
- Salix candidula* Nieuwland in Am. Midland Nat. 3: 225 (1914).
- Ser. PHYLICIFOLIAE (Fries) Moss, Cambridge Brit. Fl. 2: 41 (1914) "sect. *Vetrix* ser. *Ph.*"
- Salix* ser. *Caprisalix* § *Vetrix* d. *Phylicifoliae* Dumortier, Florula Belg. 12 (1827), nom.
- Salix* trib. *Phylicifoliae* Fries in Syll. Pl. Nov. Soc. Bot. Ratisb. 2: 36 (1828).
- Salix* \*14. *Nigricantes* Borrer ex Hooker, Brit. Fl. 426 (1830) "\*13"
- Salix* \*15. *Bicolores* Borrer ex Hooker, op. cit. 428 (1830) "\*5"
- Salix* sect. *Virescentes* Andersson in Svenska Vetensk.-akad. Handl. 6, 1: 125 (Monog. Salic.) (1867).
- Salix* ix. *Argenteae* Ball in Coulter & Nelson, New Man. Bot. Rocky Mts. 136 (1909).
- Salix* sect. *Biondianae* Hao in Repert. Sp. Nov. Veg. Reg. Beih. 93: 72 (1936).
- S. myrsinifolia** Salisbury, Prodr. Stirp. Chap. Allert. 394 (1796).
- Salix phlycifolia* var. β. Linnaeus, Sp. Pl. 1016 (1753).
- ?*Salix spadicea* Chaix ex Villars, Hist. Pl. Dauphin. 1: 373 (1786).
- Salix nigricans* Smith in Trans. Linn. Soc. Lond. 6: 120 (1802). — Seeman in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 131 (1909), cum syn. mult.
- Salix Croweana* Smith, Fl. Brit. 3: 1043 (1804).
- Salix cotinifolia* Smith, op. cit. 1066 (1804).
- Salix phlycifolia* sensu Willdenow, Sp. Pl. 4, 2: 659 [1806], p. p. — Wahlenberg, Fl. Lapp. 482 (1812). — Non Linnaeus (1753).
- Salix Andersoniana* Smith in Sowerby, Engl. Bot. 33: t. 2342 (1812).
- Salix Forsteriana* Smith in op. cit. t. 2344 (1812).
- ?*Vimen phlycifolium* Rafinesque, Alsogr. Am. 14 (1836), nom. altern. subnud.
- Vimen andersonianum* Rafinesque, l. c. (1838), nom. altern. subnud.
- Vimen fosterianum* Rafinesque, l. c. (1838), sphalm. pro "*forsterianum*"; nom. altern. subnud.
- ?*Urnectis hirta* Rafinesque, l. c. (1838), nom. altern. subnud.
- ?*Sokolofia rupestris* Rafinesque, l. c. 15 (1838), nom. subnud.
- ?*Diamariops Croweana* Rafinesque, l. c. (1838), nom. altern. subnud.
- Vimen cotinifolium* Rafinesque, l. c. (1838), nom. altern. subnud.
- S. Mielichhoferi** [*S. myrsinifolia* × *hastata*] Sauter in Flora, 32: 662 (1849).
- S. phlycifolia** Linnaeus, Sp. Pl. 1016 (1753), var. β. exclud. — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 140 (1909), cum syn. multis. — Schneider in Sargent, Pl. Wilson. 3: 123 (1916).
- Salix bicolor* Ehrhart, Beitr. Naturk. 5: 162 (1790).
- Salix Weigeliana* Willdenow, Sp. Pl. 4, 2: 678 [1806].
- Salix Wulfeniana* Smith, Engl. Fl. 4: 176 (1828), non Willdenow [1805].
- Diploma weigeliana* Rafinesque, Alsogr. Am. 13 (1830), nom. altern. subnud.
- ?*Vimen bicolor* Rafinesque, op. cit. 14 (1838), nom. altern. subnud.
- Salix arbuscula* f. 2. *Weigeliana* (Willd.) Wolf in Izv. S.-Peterb. Lesn. Inst. 5: 93, t. 36 (1900).
- Salix arbuscula* f. 3 *phlycifolia* (L.) Wolf in op. cit. 93, t. 36, 43 (1900).
- S. tetrapla** (*S. myrsinifolia* × *phlycifolia*) John Walker, Essays Nat. Hist. 408 (1812).
- S. formosa** Willdenow, Berlin. Baumz. 452 (1796); Sp. Pl. 4, 2: 680 [1806]. — Schneider in Sargent, Pl. Wilson. 3: 124 (1916).
- Salix arbuscula* Linnaeus, Sp. Pl. 1018 (1753), tantum quoad var. γ. — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 146 (1909). — Schneider in Sargent, Pl. Wilson. 3: 124 (1916).
- Salix alpina* Scopoli, Fl. Carniol. ed. 2, 255 (1772), p. p. — Suter, Fl. Helv. 2: 354 (1822).
- Salix glaucescens* Moench, Meth. Pl. Suppl. 116 (1802).
- Salix prunifolia* Smith, Fl. Brit. 3: 1054 (1804).
- Salix arbuscula* β. *formosa* (Willd.) Wimmer, Salic. Eur. 105 (1866).
- S. planifolia** Pursh, Fl. Am. Sept. 2: 611 (1814). — Schneider in Jour. Arnold Arb. 1: 75 (1919).

**Salix planifolia** (*continued*)

*Salix phyllifolia* sensu Tuckerman in Am. Jour. Sci. Arts, 45: 35 (1843), non Linnaeus (1753).

*Salix chlorophylla denudata* Andersson, Monog. Salic. 138 (1867); in De Candolle, Prodr. 16,2: 244 (1868) "γ."

**S. Covillei** Eastwood in Zoë, 5: 8 (Oct. 1900).

*Salix pellita* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 139 (Monog. Salic.) (1867), p. p.

*Salix subcoerulea* Piper in Bull. Torrey Bot. Club, 27: 400 (July, 1900).—Schneider in Jour. Arnold Arb. 1: 84 (1919).—Rehder in Man. Cult. Trees Shrubs, 115 (1927); ed. 2, 104 (1940).—Non Gandoger (1890).

*Salix pachnophora* Rydberg in Bull. Torrey Bot. Club, 31: 403 (1904).

**S. pellita** Andersson in Svenska Vetensk.-akad. Handl. 6,1: 139, t. 7, fig. 72 (Monog. Salic.) (1867), exclud. fig. g (sinistr.); pro subsp. "*S. chlorophylla* \* *S. p.*"—Schneider in Jour. Arnold Arb. 1: 82 (1919).

*Salix chlorophylla* β. *pellita* Andersson in De Candolle, Prodr. 16,2: 244 (1868), p. p.

**S. Drummondiana** Barratt ex Hooker, Fl. Bor.-Am. 2: 144 [1838].—Schneider in Jour. Arnold Arb. 1: 87 (1919).

Ser. HASTATAE (Hook.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 84 (1940).

*Salix* \*19 *Hastatae* Borrer ex Hooker, Brit. Fl. 433 (1830), p. p.—Schneider in Sargent, Pl. Wilson. 3: 129 (1916).

*Salix* sect. *Cordatae* Barratt ex Hooker, Fl. Bor.-Am. 2: 149 [1839].—Schneider in Jour. Arnold Arb. 2: 185 (1921).

*Salix* stirps *Rigidae* (sive *Hastatae*) Andersson in Svenska Vetensk.-akad. Handl. 6,1: 157 (Monog. Salic.) (1867).

*Salix* sect. *Adenophyllae* Schneider, Ill. Handb. Laubh. 1: 52 (1904); in Jour. Arnold Arb. 1: 148 (1920).

*Salix* vi. *Communtatae* Ball in Coulter & Nelson, New Man. Bot. Rocky Mts. 134 (1909).

**S. cordata** Michaux, Fl. Bor.-Am. 2: 225 (1803, March).—Fernald in Rhodora, 48: 31, t. 997-1000 (1946).—Non Mühlenberg (1803, May).

*Salix adenophylla* Hooker, Fl. Bor.-Am. 2: 225 (1803 v. 1804).—Schneider, in Jour. Arnold Arb. 1: 158 (1920), exclud. *S. syrticola* (1907).

**S. syrticola** Fernald in Rhodora, 9: 225 (1907); 48: 36, t. 1001-2 (1946).**S. glaucophylloides** Fernald in Rhodora, 16: 173 (1914).—Schneider in Jour. Arnold Arb. 1: 156 (1920).

*Salix glaucophylla* sensu Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 323, fig. 652 (1908), non Besser (1822), nec Andersson (1851), nec Bebb (1881).

**S. glaucophylloides** var. *glaucophylla* (Bebb) Schneider in Jour. Arnold Arb. 1: 157 (1920).

*Salix cordata* var. *glaucophylla* Bebb in Babcock in Lens, 2: 249 (1873).

*Salix glaucophylla* Bebb in Wheeler & Smith, Cat. Phaen. Vasc. Crypt. Pl. Michig. 72 (1881), non Schleicher (1807), nom. nud., nec Besser (1822), nec Andersson (1851).

*Salix cordata* [subsp.] *S. Babcockii* Gandoger, Fl. Eur. 21: 166 (1890).

**S. monticola** Bebb in Coulter, Man. Rocky Mts. Bot. 336 (1885).—Schneider in Jour. Arnold Arb. 1: 154 (1920).

*Salix padifolia* Rydberg in Bull. Torrey Bot. Club, 28: 272 (1901), non Andersson (1859).

*Salix padophylla* Rydberg in op. cit. 499 (1901).

**S. Barclayi** Andersson in Öfv. Förh. Svensk. Vetensk.-akad. 15: 125 (1858).—Schneider in Jour. Arnold Arb. 1: 150 (1920).**S. hastata** Linnaeus, Sp. Pl. 1017 (1753).—Seeman in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 152 (1909), cum syn. multis.

*Salix Pontederiae* Villars, Hist. Pl. Dauphin. 3: 766 (1789). *Salix malifolia* Smith, Fl. Brit. 3: 1053 (1804).

*Vimen hastatum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.

*Vimen malifolium* Rafinesque, l. c. (1838), nom. altern. subnud.

**S. glabra** Scopoli, Fl. Carniol. ed. 2, 2: 255 (1772).—Seeman in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 158 (1909).

*Salix phyllifolia* Wulfen in Jacquin, Collect. Bot. 2: 139 (1788), non Linnaeus (1753).

*Salix Wulfeniana* Willdenow, Sp. Pl. 4,2: 660 [1806].

*Vimen wulfenianum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.

**S. japonica** Thunberg, Fl. Jap. 24 (1784).—Schneider in Sargent, Pl. Wilson. 3: 132 (1916).

*Salix babylonica* var. *japonica* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 51 (Monog. Salic.) (1867).

*Salix japonica* var. *nipponensis* Léveillé in Bull. Acad. Intern. Géog. Bot. 4: 209 (1904).

**S. pyrolaeifolia** Ledebour, Fl. Alt. 4: 270 (1833).—Schneider in Sargent, Pl. Wilson. 3: 134 (1916).—Nasarov in Komarov, Fl. S. S. S. R. 5: 115 (1936) "*S. pyrolifolia*".

*Salix alnoides* Schangin (ex Sievers) in Pallas in Nov. Act. Acad. Sci. Petrop. 10 (Math.): 369 etc. (1797); in Neue Nord. Beytr. 7: 347, 349 (1797), nom.

*Salix sabulosa* Turczaninov pl. exsicc. ex Ledebour, Fl. Ross. 3,2: 613 (1850), pro syn.

*Salix corylifolia* Turczaninov pl. exsicc. ex Ledebour, l. c. (1850), pro syn.

**S. rigida** Mühlenberg in Neu. Schrift. Ges. Naturf. Fr. Berlin, 4: 236, t. 6, fig. 4 (1803, May).—Fernald in Rhodora, 48: 33 (1946).

*Salix cordata* Mühlenberg, l. c. t. 6, fig. 3 (1803, May).—Schneider in Jour. Arnold Arb. 2: 189 (1921).—Non Michaux (1803, March).

*Diplusion* or *S. cordata* et *D.* or *S. rigida* Rafinesque, Alsogr. Am. 15 (1838), nom. altern. subnud.

*Salix cordata* var. *rigida* Carey ex Gray, Man. Bot. N. U. S. 427 (1848).

*Salix myricoides* a. *cordata* et b. *rigida* (Mühlb.) Dippel, Handb. Laubh. 2: 282, fig. 134 (1892).

*Salix acutidens* Rydberg ex Britton, Man. Fl. N. S. & Can. 315 (1901).

**S. rigida** f. *purpurascens* (Schneid.) Rehder in Jour. Arnold Arb. 27: 316 (1946).

*Salix Nicholsonii* f. *purpurascens* Dieck, Neuheit.-Off. Zöschchen, 1889-90: 18 (1889).

*Salix cordata* var. *rigida* f. *purpurascens* Schneider, Ill. Handb. Laubh. 1: 50 (1904).

**S. rigida** var. *angustata* (Pursh) Fernald in Rhodora, 48: 38 (1946).

*Salix cordata* β. *angustata* Andersson in De Candolle, Prodr. 16,2: 252 (1868).

*Salix angustata* Pursh, Fl. Am. Sept. 2: 613 (1914).

**S. rigida** × *petiolaris*.

*Salix cordata* × *petiolaris* Dudley, Cayuga Fl. 90 (Bull.

- Cornell Univ. 2) (1886), nom.—Schneider in Silva Tarouca, Uns. Freil.-Laubgeh. ed. 2, 376 (1922), hybr. dub., p. p.
- S. myricoides** [*S. rigida* × *sericea*] Mühlenberg in Neue Schrift. Ges. Naturf. Fr. Berlin, 4: 235, t. 6, fig. 2 (1803).—Schneider in Jour. Arnold Arb. 3: 82 (1921) "*S. cordata* × *sericea*".
- Vimen myricoides* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.
- Salix Bebbii* Gandoger, Fl. Eur. 21: 167 (1890).
- S. eriocephala** Michaux, Fl. Bor.-Am. 2: 225 (1803).—Fernald in Rhodora, 48: 27 (1946).
- Salix cordata* 1. *S. rigida* d. *vestita* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 159 (Monog. Salic.) (1867).
- Salix discolor* β. *eriocephala* (Michx.) Andersson in De Candolle, Prodr. 16,2: 225 (1868).
- Salix cordata* α. *rigida* 7° *vestita* Andersson in De Candolle, op. cit. 16,2: 252 (1868).
- Salix missouriensis* Bebb in Gard. & For. 8: 373 (1895).—Schneider in Jour. Arnold Arb. 2: 190 (1921).
- S. myrtillofolia** Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 132 (1858).—Schneider in Jour. Arnold Arb. 2: 193 (1921).
- Salix pseudomyrsinites* Andersson in op. cit. 129 (1858).
- Salix myrsinites* 2. *S. curtiflora* Andersson in op. cit. 130 (1858).
- Salix Novae-Angliae* 2. *S. pseudocordata* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 161 (Monog. Salic.) (1867), p. p. max.
- Salix Novae-Angliae* β. *pseudomyrsinites* Andersson in De Candolle, Prodr. 16,2: 253 (1868), p. p.
- Salix Novae-Angliae* γ. *myrtillofolia* Andersson, l. c. (1868).
- S. irrorata** Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 117 (1858).—Schneider in Jour. Arnold Arb. 2: 186 (1921).
- Ser. MYRSINITES (Hook.) Moss, Cambridge Brit. Fl. 2: 31 (1914) "sect. *Vetrix* ser. *M.*"
- Salix* \*17. *Myrsinites* Borrer ex Hooker, Brit. Fl. 431 (1830).—Schneider in Sargent, Pl. Wilson. 3: 138 (1916) "sect."
- Salix* sect. *Myrtosalis* Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 203 (1860).
- S. Myrsinites** Linnaeus, Sp. Pl. 1018 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 162 (1909).
- Salix Myrsinites* β. *serrata* Neilreich, Fl. Nieder-Oester. 266 (1846).
- Salix Myrsinites* α. *typica* Koehne, Deutsche Dendr. 95 (1893).
- S. Myrsinites** var. *Jacquiniana* (Willd.) Koch, Syn. Fl. Germ. Helv. ed. 2, 2: 758 (1843) "8."
- Salix alpina* Scopoli, Fl. Carniol. ed. 2, 2: 255 (1772), p. p.
- Salix Jacquinii* Host, Syn. Pl. Austr. 529 (1797).
- Salix Jacquiniana* Willdenow, Sp. Pl. 4,2: 692 [1806].
- Salix Myrsinites* β. *Jacquinii* Wimmer, Salic. Eur. 99 (1866).
- Salix Myrsinites* β. *alpina* (Scop.) Koehne, Deutsche Dendr. 95 (1893).
- Ser. 26. CHRYSANTHEAE (Koch) Rehder, Man. Cult. Trees Shrubs, ed. 2, 85 (1940).
- Salix* sect. *Chrysanthae* Koch, Salic. Eur. Comm. 11 (1828).—Schneider in Sargent, Pl. Wilson. 3: 156 (1916).
- Salix* sect. *Lanatae* Fries in Tidskr. Landtm.- & Kommun. Ekon. 1859: 21 (Anmärk. Sver. Pilart.) (1859), p. p.
- Moss, Cambridge Brit. Fl. 2: 29 (1914) "sect. *Vetrix* ser. *L.*"
- Salix* c. *Vetrix* II. *Arcticae* v. *Subarcticae* Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 119 (1858), p. p.; nom. altern.
- Salix* §. *Niveae* s. *Glaucæ* A. *Lanatae* Andersson in De Candolle, Prodr. 16,2: 273 (1868).
- Salix* sect. *Lanatae* subsect. a. *Chrysanthae* Schneider, Ill. Handb. Laubh. 1: 47 (1904).
- S. lanata** Linnaeus, Sp. Pl. 1019 (1753).—Schneider in Sargent, Pl. Wilson. 3: 156 (1916).
- Salix lanuginosa* Pallas, Fl. Ross. 1,2: 83 (1788).
- Salix chrysanthos* Vahl in Oeder, Icon. Pl. Dan. 6,18: 6, t. 1057 (1792).
- ?*Diplima chrysantha* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.
- S. Hookeriana** Barratt ex Hooker, Fl. Bor.-Am. 2: 145, t. 18 (1839).—Schneider in Jour. Arnold Arb. 1: 219 (1920).
- S. Hookeriana** var. *tomentosa* J. K. Henry ex Schneider in op. cit. 220 (1920).
- S. Piperi** Bebb in Gard. & For. 8: 482 (1895).—Schneider in op. cit. 221 (1920).
- Ser. 27. PRUINOSAE (Koch), grad. nov.
- Salix* ser. *Caprisalis* § I. *Vetrix* c. *Daphnoidae* Dumortier, Florula Belg. 12 (1827), nom.
- Salix* sect. *Pruinosae* Koch, Salic. Eur. Comm. 22 (1828).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 59 (1908) "(sect.)"
- Salix* group *Acutifoliae* Borrer ex Loudon, Arb. Brit. 3: 1494 (1838).
- Salix* sect. *Vimen* ser. *Daphnoides* Moss, Cambridge Brit. Fl. 2: 58 (1914).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 95 (1940) "*S. ser. D.*".
- S. daphnoides** Villars, Hist. Pl. Dauphin. 3: 765 (1789).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 167 (1909).
- Salix cinerea* sensu Willdenow, Berlin. Baumz. 350 (1796), non Linnaeus (1753).
- Salix bigemmis* G. F. Hoffmann, Deutschl. Fl. n. ed., 2: 260 (1804).
- Salix pulchra* Wimmer, Salic. Eur. 7 (1866).
- Salix daphnoides* c. *pulchra* Garcke, Ill. Fl. Deutschl. ed. 17, 547 (1895).
- S. daphnoides** var. *pomeranica* (Willd.) Koch, Syn. Fl. Germ. Helv. 646 (1837).
- Salix pomeranica* Willdenow, Enum. Hort. Berol. Suppl. 66 (1813).
- S. Erdingeri** (*S. caprea* × *daphnoides*) J. Kerner in Verh. Zool.-Bot. Ges. Wien, 11: 243 (1861).
- Salix hungarica* J. Kerner in op. cit. 14: 9 (1864).
- Salix cremensis* A. & J. Kerner, Herb. Oester. Weid. Dec. 8: no. 72 (1869).
- Salix Figerti* Camus, Class. Monog. Saul. Eur. 2: 213 (1905).
- S. maritima** (*S. daphnoides* × *repens*) Th. Hartig, Vollst. Naturg. Forstl. Culturpl. 574 (1851).
- Salix Patzeana* Andersson in Svenska Vetensk.-akad. Handl. 6,1: 124 (Monog. Salic.) (1867).
- S. calliantha** (*S. daphnoides* × *purpurea*) J. Kerner in Verh. Zool.-Bot. Ges. Wien, 15: 43 (1865).

**Salix** (continued)

- S. acutifolia** Willdenow, Sp. Pl. 4,2: 668 [1805]. — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 171 (1909), cum syn. multis.  
*Salix violacea* Andrews, Bot. Repos. 9: t. 581 (1809).  
*Salix pruinosa* Besser, Cat. Hort. Bot. Crem. 121 (1816).  
*Vimen violaceum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
*Salix daphnoides* var. *β. acutifolia* Döll, Fl. Grossh. Bad. 492 (1859).
- Ser. 28. **VIMINALES** [Bluff & Fingerh.] Moss, Cambridge Brit. Fl. 2: 60 (1914) "sect. *Vimen* ser. V."  
*Salix* b. *Viminales* Bluff & Fingerhut, Comp. Fl. Germ. 2: 562 (1825), p. p. typ. — Fries in Syll. Pl. Nov. Soc. Bot. Ratisb. 2: 37 (1828) "trib." — Koch, Salic. Eur. Comm. 27 (1828) "cohors."  
*Salix* ser. *Capri-Salix* sect. *Vimen* Dumortier in Bijdr. Natuurk. Wetensch. 1: 55 (Verh. Wilg. 14) (1825); *Florula Belg.* 12 (1828).  
*Salix* sect. *Micantes* (seu *Viminales*) Andersson in De Candolle, Prodr. 16,2: 264 (1868), p. p.; nom. altern.  
*Salix* sect. *Chingianae* Hao in Repert. Sp. Nov. Reg. Veg. Beih. 93: 85 (1936).
- S. Rehderiana** Schneider in Sargent, Pl. Wilson. 3: 66 (1916).
- S. lapponum** Linnaeus, Sp. Pl. 1019 (1753). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 182 (1909), cum syn. multis.  
*Salix arenaria* sensu Smith, Brit. Fl. 3: 1058 (1804), non Linnaeus (1753).  
*Salix leucophylla* Willdenow, Berlin. Baumz. ed. 2, 444 (1811).  
*Salix limosa* Wahlenberg, Fl. Lapp. 265 (1812).  
*Salix Stuartiana* Smith, Engl. Fl. 4: 203 (1828).  
*Salix sudetica* Host, Salix, 28 (1828).  
*Salix marrubiiifolia* Tausch in Flora, 20: 339 (1837).  
*Salix daphneola* Tausch, l. c. (1837).  
*?Diplima arenaria* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.  
*Diplima stuartiana* Rafinesque, l. c. (1838), nom. altern. subnud.
- S. Laestadiana** (*S. lapponum* × *cinerea*) Hartman, Handb. Skand. Fl. 237 (1838).  
*Salix canescens* Fries, Novit. Fl. Suec. Mant. 1: 58 (1832), p. p.  
*Salix cinerea* × *Lapponum* Wimmer in Flora, 32: 46 (1849). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 267 (1909).
- S. helvetica** Villars, Hist. Pl. Dauphin. 3: 783 (1789). — Camus, Classif. Saul. Eur. 1: 151, t. 12F-J (1904).  
*Salix arenaria* sensu Willdenow, Sp. Pl. 4,2: 689 [1806], non Linnaeus (1753).  
*Salix glauca* sensu Smith in Sowerby, Engl. Bot. 26: t. 1810 (1808), non Linnaeus (1753).  
*Salix nivea* Seringe, Ess. Monog. Saul. Suisse, 51 (1815).  
*Salix tomentosa* Host, Salix, 28 (1828).  
*Salix Lapponum* *β. helvetica* Andersson in De Candolle, Prodr. 16,2: 277 (1868).  
*Salix Lapponum* v. *S. helvetica* (Vill.) Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 186 (1909).
- S. viminalis** Linnaeus, Sp. Pl. 1021 (1753). — Seemen in op. cit. 173 (1909), cum syn. multis. — Schneider in Sargent, Pl. Wilson. 3: 157 (1916).  
*Diplima viminalis* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.

- S. viminalis** var. **Gmelini** (Pallas) Andersson in De Candolle, Prodr. 16,2: 266 (1868).  
*Salix Gmelini* Pallas, Fl. Ross. 1,2: 77 (1788).  
*Salix splendens* Turczaninov in Bull. Soc. Nat. Moscou, 27,1: 380 (1854), non Bray ex Opiz (1823).  
*Salix viminalis* var. *splendens* Andersson in De Candolle, Prodr. 16,2: 265 (1868).
- S. Smithiana** [*S. caprea* × *viminalis*] Willdenow, Enum. Hort. Berol. 2: 1008 (1809). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 268 (1909) "*S. caprea* × *viminalis*".  
*Salix mollissima* Smith, Fl. Brit. 3: 1070 (1804), p. p.; non Ehrhart (1791).  
*Salix acuminata* sensu Smith, Fl. Brit. 3: 1068 (1804). — Koch, Salic. Eur. Comm. 30 (1828), p. p. — Non Miller (1768).  
*Salix viminalis-Caprea* a. *intermedia* Wimmer in Flora, 32: 42 (1849), non Host (1828).  
*Salix capreifformis* Wimmer, l. c. (1849).  
*Salix Hostii* A. Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 213 (1860).  
*Salix sericans* A. Kerner in op. cit. 214 (1860).  
*Salix vratislaviana* A. Kerner in op. cit. 216 (1860).
- S. fruticosa** (*S. aurita* × *viminalis*) Döll, Fl. Grossh. Bad. 2: 515 (1859).
- S. holosericea** [*S. cinerea* × *viminalis*] Willdenow, Berlin. Baumz. ed. 2, 458 (1811). — Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 266 (1909).  
*Salix velutina* Schrader ex Koch, Syn. Fl. Germ. Helv. 650 (1837).  
*Oisodix holosericea* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.  
*Salix nitens* Grenier & Godron, Fl. France, 2: 131 (1855).  
*Salix zedlitziana* A. Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 217 (1860).  
*Salix canthiana* A. Kerner in op. cit. 218 (1860).
- S. Friesiana** (*S. repens* × *viminalis*) Andersson in Svenska Vetensk.-akad. Handl. 6,1: 121 (Monog. Salic.) (1867).  
*Salix rosmarinifolia* Linnaeus, Sp. Pl. 1020 (1753), p. p.
- ? × S. stipularis** Smith in Sowerby, Engl. Bot. 17: t. 1214 (1803); Fl. Brit. 3: 1069 (1804).  
*Diplima stipularis* Rafinesque, Alsogr. Am. 13 (1838), nom. subnud.  
*Salix dasyclados* subsp. *stipularis* Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 180 (1909), cum syn. multis.
- ? × S. dasyclados** Wimmer in Flora, 32: 35 (1849). — Seemen in op. cit. 177 (1909), cum syn. aliis.  
*Salix acuminata* Smith, Fl. Brit. 3: 1028 (1804). — Patze, Fl. Preuss. 283 (1850). — Non Miller (1768).  
*Salix longifolia* Host, Salix, 19 (1828), p. p.; non Lamarck (1778).  
*Vimen acuminatum* Rafinesque, Alsogr. Am. 14 (1838), nom. altern. subnud.  
× *Salix Calodendron* Wimmer, Salic. Eur. 187 (1866).  
*Salix dasyclados* v. *angustifolia* n. *Baltica* Lackschewitz, Herb. Sal. ex Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 179 (1909).  
*Salix dasyclados* subsp. *S. germanica* et *S. baltica* Lackschewitz [Herb.] ex Toepffer in O. v. Kirchner, Lebensgesch. Blütenpf. Mitteleur. 2,1: 411 (1925).
- S. sachalinensis** Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12: 173 (Reise Amurl. Sachal.) (1868). — Schneider in Sargent, Pl. Wilson. 3: 158 (1916).  
*Salix opaca* Andersson ex Seemen, Salic. Jap. 51, t. 10, fig. A-F (1903).



- Ser. 29. CANAE (Kern.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 85 (1940).  
*Salix* (Rotte) Canae Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 49 (1860).  
*Salix* sect. *Incanae* Andersson in De Candolle, Prodr. 16, 2: 302 (1868).—Moss, Cambridge Brit. Fl. 2: 59 (1914) "sect. *Vimen* ser. I."
- S. Elaeagnos** Scopoli, Fl. Carniol. ed. 2, 2: 257 (1772) "*Eleagnos*".  
*Salix rorismarinifolia* sensu Gouan, Hort. Reg. Monspel. 501 (1762), non *S. rosmarinifolia* Linnaeus (1753).  
*Salix incana* Schrank, Baier. Fl. 1: 230 (1789).  
*Salix riparia* Willdenow, Sp. Pl. 4, 2: 698 [1806].
- S. Seringeana** [*S. caprea* × *Elaeagnos*] Gaudin, Fl. Helv. 6: 251 (1830). "*seringiana*".  
*Salix oleaefolia* Villars, Hist. Pl. Dauphin. 3: 784 (1789), p. p.  
*Salix Flueggeana* Willdenow, Sp. Pl. 4, 3: 709 [1806], p. p.  
*Salix salviaefolia* Link ex Willdenow, op. cit. 688 [1806].  
*Salix lanceolata* Seringe, Ess. Monog. Saul. Suisse, 37 (1815), non Smith (1805).  
*Salix Seringeana* Gaud. ex Seringe, l. c. (1815), pro syn.
- S. patula** [*S. aurita* × *Elaeagnos*] Seringe, op. cit. 11 (1815).  
*Salix oleaefolia* Villars, Hist. Pl. Dauphin. 3: 784 (1789), p. p.—Andersson in De Candolle, Prodr. 16, 2: 304 (1868).  
*Salix pallida* Forbes, Salict. Woburn. 191, t. 96 (1829).
- S. subalpina** [*S. Elaeagnos* × *repens*] Forbes, op. cit. 185 (1829).
- S. Reuteri** [*S. daphnoides* × *Elaeagnos*] Moritz, Fl. Schweiz, 459 (1844).  
*Salix Wimmeri* Kerner in Verh. Zool.-Bot. Ges. Wien, 2: 61 (1852).  
*Salix daphnoides* × *incana* Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 309 (1909).
- Ser. 30. PURPUREAE [Fries] Moss, Cambridge Brit. Fl. 2: 65 (1914) "sect. *Vimen* ser. P."
- Salix* sect. *Helix* Dumortier in Bijdr. Natuurk. Wetensch. 1: 56 (Verh. Wilg. 15) (1825); Florula Belg. 13 (1828).—Schneider in Sargent, Pl. Wilson. 3: 165 (1916).  
*Salix* sect. *Monandrae* Dumortier, op. cit. 57 (p. 16) (1825), nom. altern.—Borrer ex Hooker, Fl. Brit. 413 (1930).  
*Salix* trib. *Purpureae* Fries in Syll. Pl. Nov. Soc. Bot. Ratisb. 2: 37 (1828).—Koch, Salic. Eur. Comm. 24 (1828) "sect."  
*Salix* sect. *Subvinales* Seemen, Salic. Jap. 20 (1903), p. p. typ.
- S. Miyabeana** Seemen in Bot. Jahrb. 21, Beibl. 53: 50 (1896).—Schneider in Sargent, Pl. Wilson. 3: 166 (1916).
- S. Pierotii** Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 27 (Prol. Fl. Jap. 215) (1867).—Schneider in Sargent, Pl. Wilson. 3: 165 (1916).  
*Salix japonica* sensu Dippel, Handb. Laubh. 2: 221 (1892), non Thunberg (1784).
- S. purpurea** Linnaeus, Sp. Pl. 1017 (1753).—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 192 (1909), cum syn. multis.—Schneider in Sargent, Pl. Wilson. 3: 167 (1916).  
*Salix monandra* Arduino, Mem. Oss. Colt. Var. Pianta, 1: 67 (1766).  
*Vetrix purpurea* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.  
*Salix oppositifolia* Host, Salix, 11, t. 37 (1828).  
*Knafia purpurea* Opiz, Seznam Rostl. Česk. 56 (1852).  
*Salix purpurea* var. *typica* Beck, Fl. Nied.-Oester. 288 (1890).  
*Salix purpurea* subsp. *eupurpurea* Schneider, Ill. Handb. Laubh. 1: 68 (1904).
- S. purpurea** f. *pendula* [Reg.] Dippel, Handb. Laubh. 2: 236 (1892) "(f.)" a.—Seemen in Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 195 (1909) "lus."  
*Salix purpurea* var. *pendula* Regel in Gartenfl. 9: 374, t. 308 (1860).  
*Salix purpurea* *Scharfenbergensis* Bolle in Gartenfl. 42: 378 (1893).  
*Salix nigra pendula* Hort. ex Schneider, Ill. Handb. Laubh. 1: 69 (1904), pro syn.  
*Salix americana pendula* Hort. ex Schneider, l. c. (1904), pro syn.  
*Salix napoleonis* Hort. ex Schneider, l. c. (1904), pro syn.
- S. purpurea** f. *gracilis* (Gren. & Godr.) Schneider, Ill. Handb. Laubh. 1: 69 (1904).  
*Salix purpurea* var. *gracilis* Grenier & Godron, Fl. Franç. 3: 129 (1855).  
*Salix purpurea* var. *nana* Dieck, Moor- & Alpenpf. [Kat.] 45 (1899), nom.—Zabel in Beissner et al., Handb. Laubh.-Ben. 47 (1903) "f."; nom.  
*Salix purpurea* var. *uralensis* Hort. ex Schneider, Ill. Handb. Laubh. 1: 69 (1904), pro syn.
- S. purpurea** var. *Lambertiana* (Sm.) Koch, Syn. Fl. Germ. Helv. 647 (1837).—Schneider, Ill. Handb. Laubh. 1: 69 (1904) "subsp. *eupurpurea* f. l."  
*Salix Lambertiana* Smith, Fl. Brit. 3: 1041 (1804).  
*Salix Woolgariana* Borrer ex Hooker, Fl. Brit. 414 (1830).—Borrer in Smith & Sowerby, Engl. Fl. Suppl. 1: t. 2651 (1831) "Woollgariana".  
*Vetrix lambertiana* Rafinesque, Alsogr. Am. 13 (1838), nom. altern. subnud.  
*Salix purpurea* var. *latifolia* Kerner in Verh. Zool.-Bot. Ges. Wien, 10: 272 (1860).
- S. purpurea** var. *sericea* (Ser.) Koch, Syn. Fl. Germ. Helv. 647 (1837).  
*Salix monandra* c. *sericea* Seringe, Ess. Monog. Saul. Suisse, 8 (1815).  
*Salix purpurea* subsp. *eupurpurea* c. *sericea* Schneider, Ill. Handb. Laubh. 1: 68 (1904).
- S. purpurea** var. *amplexicaulis* (Bory & Chaub.) Boisier, Fl. Or. 4: 1187 (1879).—Schneider, Ill. Handb. Laubh. 1: 69 (1904) "subsp."  
*Salix amplexicaulis* Bory & Chaubard in Exped. Scientif. Morée; Sect. Sci. Phys. III. 2: 277 (1832); Neuv. Fl. Pélo. 64, t. 36 (1838).
- S. purpurea** var. *multinervis* (Franch. & Sav.) Matsu-mura, Shokub. Mei-I, 261 (1895).—Schneider in Sargent, Pl. Wilson. 3: 168 (1916) "subsp. *amplexicaulis* var. m."  
*Salix integra* Thunberg, Fl. Jap. 24 (1784).—Nakai, Fl. Kor. Sylv. 18: 113, t. 20 (1930).  
*Salix multinervis* Franchet & Savatier, Enum. Pl. Jap. 2: 504 (1879), non Döll (1859).  
*Salix Savatieri* Camus, Class. Saul. Eur. 326 (1904).  
*Salix purpurea* subsp. *amplexicaulis* var. *petiolata* Koidzumi in Bot. Mag. Tokyo, 27: 92 (1913).

*Salix* (continued)

- S. leiophylla** [*S. amygdalina* × *purpurea*] A. & G. Camus, *Classif. Monog. Saules Eur.* 2: 108; *Atl. t. 6* (1905) "*S. purpurea* × *triandra*".  
*Salix triandra* × *purpurea* Figert in *Deutsch. Bot. Monatsschr.* 9: 61 (1891).  
*Salix purpurea* × *triandra* Gürke in K. Richter, *Pl. Eur.* 2: 41 (1897). — Toeppfer, *Salicol. Mitteil.* 6: 224 (1913), non vis.; *Salic. Bavar.* 171 (1915).  
*Salix amygdalina* × *purpurea* Seemen in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 129 (1909), p. p.  
*Salix amygdalina americana* [hort.] ex Seemen in op. cit. 130 (1909), p. p.; pro syn. sub *S. petiolaris*.  
*Salix purpureo-amygdalina* Krause in herb. Wimmer no. 51 ex Seemen in op. cit. 335 (1910), pro syn.
- S. Wimmeriana** (*S. caprea* × *purpurea*) Grenier & Godron, *Fl. Franç.* 3: 130 (1855).  
*Salix discolor* Host, *Salix*, 18, t. 60, 61 (1828), non Mühlberg (1803).  
*Salix mauternensis* J. Kerner in *Verh. Zool.-Bot. Ges. Wien*, 14: 261 (1864).  
*Salix Traunsteineri* J. Kerner ex Andersson in De Candolle, *Prodr.* 16: 311 (1868).  
*Salix syntriandra* Beck, *Fl. Nieder-Oester.* 293 (1890).  
*Salix Stoderana* Dürnberg in *Jahr.-Kat. Bot. Tauschver. Wien*, 1894: 6 (1894).
- S. austriaca** (*S. grandifolia* × *purpurea*) Host, *Salix*, 19, t. 64, 65 (1828).  
*Salix neriifolia* Schleicher, *Cat. Sal.* 4: 26 (1821), nom.  
*Salix Neilreichii* Kerner in *Verh. Zool.-Bot. Ges. Wien*, 10: 258 (1860).  
*Salix sphaerocephala* Kerner in *Oester. Bot. Zeitschr.* 14: 240 (1864).  
*Salix Pontederana* Parlatores, *Fl. Ital.* 4: 234 (1867), non Willdenow [1806].  
*Salix intercedens* Beck, *Fl. Nieder-Oester.* 3: 291 (1890).
- S. dichroa** (*S. aurita* × *purpurea*) Döll, *Fl. Grossherz. Bad.* 511 (1859).  
*Salix auritoides* Kerner in *Verh. Zool.-Bot. Ges. Wien*, 10: 257 (1860).  
*Salix marchica* Strähler in *Deutsch. Bot. Monatsschr.* 13: 17 (1895).
- S. sesquitertia** (*S. aurita* × *phylicifolia* × *purpurea*) F. B. White in *Ann. Scott. Nat. Hist.* 1892: 66 (1892).
- S. Pontederana** [*S. cinerea* × *purpurea*] Willdenow, *Sp. Pl.* 4: 661 [1806]. — Koch, *Comm. Sal. Eur.* 24 (1828).  
*Salix sordida* Kerner in *Verh. Zool.-Bot. Ges. Wien*, 10: 257 (1860).  
*Salix rakosina* Borbas in *Oester. Bot. Zeitschr.* 33: 360 (1883).  
*Salix cinerea* × *purpurea* Seemen in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 294 (1909).
- S. Doniana** [*S. purpurea* × *repens*] Smith, *Engl. Fl.* 4: 213 (1828).  
*Salix parviflora* Host, *Salix*, 14, t. 49 (1828).  
*Salix repens* × *purpurea* Seemen in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 302 (1909).
- S. purpurea** × *rigida*?  
*Salix triandra* × *purpurea* Schwerin in *Mitt. Deutsch. Dendr. Ges.* 1919(28): 330 (1919), nom. subnud.; vix Figert (1891). — Cf. Toeppfer in O. v. Kirchner et al., *Lebensgesch. Blütenpfl. Mitteleur.* 2, 1: 407 (1925).  
*Salix americana* Hort. ex Schwerin, l. c. (1919), pro syn.; non *S. americana pendula* Hort. (1904), nec Andersson in Öfv. Förh. Svenska Vetensk.-akad. 15: 119 (1858) et Walpers, *Ann. Bot. Syst.* 5: 747 (1858) "*S. (lanata) americana*"; nec B. D. Jackson in *Index Kew.* 2: 780 (1895) "*S. americana* Walpers"; pro syn.  
*Salix Schoeniana* Schwerin in op. cit. 1921(30): 323 (1921), nom. subnud.  
*Salix petiolaris* × ?*cordata* Schneider in Silva Tarouca, *Uns. Freil.-Laubgeh. ed. 2*, 376 (1922).
- S. rubra** (*S. purpurea* × *viminialis*) Hudson, *Fl. Angl.* 364 (1762).  
? *Salix helix* Linnaeus, *Sp. Pl.* 1017 (1753).  
*Salix Forbyana* Smith, *Fl. Brit.* 3: 1041 (1804); *Engl. Fl.* 4: 191 (1828) "*Forbiana*".  
*Salix rubra* β. *sericea* Koch, *Syn. Fl. Germ. Helv.* 647 (1837).  
*Salix elaeagnifolia* Tausch ex Koch, l. c. (1837), pro syn.  
*Vetrix helix* Rafinesque, *Alsogr. Am.* 13 (1838), nom. altern. subnud.  
*Vetrix forbiana* Rafinesque, l. c. (1838), nom. altern. subnud.  
*Diamarips rubra* Rafinesque, op. cit. 15 (1838), nom. altern. subnud.  
*Salix angustissima* Wimmer, *Salic. Eur.* 174 (1866).  
*Salix viminialis* × *purpurea* Seemen in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 312 (1909), cum syn. multis.
- S. Wilhelmsiana** Bieberstein, *Fl. Taur.-Cauc.* 3 (Suppl.): 627 (1819). — Schneider in Sargent, *Pl. Wilson.* 3: 169 (1916).  
*Salix angustifolia* Willdenow, *Sp. Pl.* 4: 699 [1806], non Wulfen (1789).  
*Salix angustifolia* Willd. var. *eriocarpa* Ledebour, *Fl. Ross.* 3, 2: 604 (1850).
- S. microstachya** Turczaninov ex Trautvetter in *Mém. Div. Sav. Acad. Sci. St. Pétersb.* 3: 628, t. 4 (1837). — Schneider in Sargent, *Pl. Wilson.* 3: 170 (1916).  
*Salix angustifolia* β. *leiocarpa* Ledebour, *Fl. Ross.* 3, 2: 604 (1850).  
*Salix angustifolia* β. *microstachya* (Turcz.) Andersson in De Candolle, *Prodr.* 16: 315 (1868).  
? *Salix cyanolimnea* Hance in *Jour. Bot.* 20: 294 (1882).  
*Salix Capusii* Franchet in *Ann. Sci. Nat. Bot. sér. 6*, 18: 251 (1884).  
*Salix Wilhelmsiana* β. *microstachya* (Anders.) Herder in *Act. Hort. Petrop.* 11: 456 (1891).
- S. Gilgiana** Seemen, *Salic. Jap.* 59, t. 13, fig. A-D (1903). — Schneider in Sargent, *Pl. Wilson.* 3: 169 (1916). — Nakai, *Fl. Kor. Sylv.* 18: 112, t. 19 (1930).  
*Salix gymnolepis* Léveillé & Vaniot in *Repert. Sp. Nov. Reg. Veg.* 3: 22 (1907).  
*Salix purpurea* subsp. *gymnolepis* (Lévl.) Koidzumi in *Bot. Mag. Tokyo*, 27: 267 (1913).
- S. caesia** Villars, *Hist. Pl. Dauphin.* 3: 768 (1789). — Seemen in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 198 (1909).  
*Salix myrtilloides* sensu Willdenow, *Sp. Pl.* 4: 688 [1806], non Linnaeus (1753).
- S. Bockii** Seemen in *Bot. Jahrb.* 29: 278, t. 3, fig. C-M (1900). — Schneider in Sargent, *Pl. Wilson.* 3: 71 (1916).  
*Salix variegata* sensu Hao in *Repert. Sp. Nov. Reg. Veg. Beih.* 93: 110 (1936), p. p.; non Franchet (1888).
- Ser. 31. GRACILISTYLAE (Schneid.) Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 85 (1940).

*Salix* xiv. *Subviminalis* Seemen, *Salic. Jap.* 20 (1903), p. p.  
*Salix* sect. *Gracilistylae* Schneider in Sargent, *Pl. Wilson.* 3: 163 (1916).

**S. gracilistyla** Miquel in *Ann. Mus. Bot. Lugd.-Bat.* 3: 26 (1867).—Nakai, *Fl. Kor. Sylv.* 18: 104, t. 17 (1930).  
*Salix Thunbergiana* Blume ex Andersson in De Candolle, *Prodr.* 16,2: 271 (1868).

Ser. 32. *SITCHENSES* (Bebb) Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 85 (1940).  
*Salix* sect. *Sitchenses* Bebb in *Bot. Gaz.* 16: 105 (1891).  
*Salix* xv. *Sieboldianae* Seemen, *Salic. Jap.* 21 (1903).

**S. sitchensis** Sanson ex Bongard in *Mém. Sci. Math. Phys. Acad. Sci. St. Pétersb. sér.* 6,2: 162 (Obs. Vég. Sitcha, 44. 1832) (1833).—Schneider in *Jour. Arnold Arb.* 1: 92 (1919).

### Fam. GARRYACEAE

GARRYACEAE Lindley in *Bot. Reg.* 20: t. 1686, p. [3] [1834].—Wangerin in Engler, *Pflanzenreich*, IV. 56a (Heft 41): 19 pp., 5 fig. (1910).

*Santalaceae* c. *Garryeae* Horaninov, *Char. Ess. Fam. Reg. Veg.* 71 (1847).

*Urticaceae* ? *Garryeae* Pfeiffer, *Synon. Bot.* 125 (1870), nom. subnud.

*Cornaceae* subfam. *Garryoideae* Harms in *Nat. Pflanzenfam.* III. 8: 256 (1898).

**GARRYA** Douglas ex Lindley in *Bot. Reg.* 20: t. 1686 (1834).

*Fadyenia* Endlicher, *Gen. Pl. Suppl.* 30 (1842).

Typus: *G. elliptica* Lindl.

**G. elliptica** Douglas ex Lindley, l. c. (1834).—Wangerin in Engler, *Pflanzenreich*, IV. 56a (Heft 41): 9, fig. 3 (1910).

**G. Thuretii** (*G. elliptica* × *Fadyenii*) Carrière in *Rev. Hort.* 1869: 17, fig. 4 (1869); 1879: 154, fig. 33, 34 (1879).

**G. Fadyenii** Hooker in Hooker's *Icon. Pl.* 4: t. 333 (1841).  
*Fadyenia Hookeri* Endlicher, *Gen. Pl. Suppl.* 4: 38 (1842).  
*Garrya Macfaydiana* Carrière in *Rev. Hort.* 1869: 17 (1869), in textu.

**G. flavescens** S. Watson in *Am. Naturalist*, 7: 301 (1873).  
*Garrya Veatchii* var. *flavescens* Coulter & Evans in *Bot. Gaz.* 15: 96 (1890).

**G. Fremontii** Torrey in *U. S. Rep. Explor. Surv. Railr. Mississippi Pacif. Oc.* 4: 136 (1857).  
*Garrya rigida* Eastwood in *Bot. Gaz.* 36: 136 (1857).

**G. Wrightii** Torrey, l. c. (1857).—Wangerin in Engler, *Pflanzenreich*, IV. 56a (Heft 41): 12, fig. 4 (1910).

### Fam. MYRICACEAE

MYRICACEAE Horaninov, *Prim. Lin. Syst. Nat.* 63 (1834).—Lindley, *Nat. Syst. Bot.* ed. 2, 179 (1836).—Chevalier in *Mém. Soc. Sci. Nat. Math. Cherbourg*, 32: 85–340 (Monog. Myric. 257 pp., 8 pl., map) (1901).  
*Salicinae* Mirbel ex Hooker, *Fl. Scot.* 2: 196 (1821), p. p. quoad *Myrica*.  
*Amentaceae* c. *Myriceae* Agardh, *Aphor. Bot.* 208 (1825), p. p. typ.  
*Myriceae* Presl, *Wseob. Rostlin.* 2: 1414 (1846).  
*Castanacées* vi ? *Myriceae* Baillon, *Hist. Pl.* 6: 259 (1877).  
*Galeaceae* Bubani, *Fl. Pyren.* 2: 49 (1899).

**MYRICA** Linnaeus, *Sp. Pl.* 1024 (1753); *Gen. Pl.* 449, no. 981 (1754).—Chevalier in *Mém. Soc. Sci. Nat. Math. Cherbourg*, 32: 211 (Monog. Myric. 112) (1901).  
LECTOTYPUS: *M. cerifera* L., non *M. Gale* ut propos. in *Intern. Rules Bot. Nomencl. ed.* 3, 141 (1935).

Subgen. I. MORELLA (Lour.) Engler in *Nat. Pflanzenfam.* III. 1: 27 (1893).

*Morella* Loureiro, *Fl. Cochinchin.* 548 (1790).

*Myrica* b. *Gale* (Tournef.) Endlicher, *Gen. Pl.* 272 (1837), p. p.—C. de Candolle in De Candolle, *Prodr.* 16,2: 147 (1864) "sect.", p. p.

*Cerophora* Rafinesque, *Alsogr. Am.* 11 (1838).

*Cerophora* subgen. *Cerocarpa* Rafinesque, l. c. (1838).

*Fayana* Rafinesque, op. cit. 12 (1838).

*Faya* Webb & Berthelot, *Phytogr. Canar.* 3: 272, t. 216 [1847].

*Myrica* sect. *Morella* (Lour.) Benth. & Hooker f., *Gen. Pl.* 3: 401 (1880).—Chevalier in *Mém. Soc. Sci. Nat. Math. Cherbourg*, 32: 197 (Monog. Myric. 113) (1901).

*Myrica* sect. *Faya* (Webb) Chevalier in op. cit. 215 (p. 131) (1901).

*Myrica* sect. *Cerophora* (Raf.) Chevalier in op. cit. 223 (p. 139) (1901).

*Cerothamnus* Tidestrom, *Elys. Marian.* 41 (1910).

**M. pensylvanica** Loiseleur in Du Hamel, *Traité Arb. Arbust. éd. augm. [Nouv. Duhamel]*, 2: 190, t. 55 [1804].—Chevalier in *Mém. Soc. Sci. Nat. Math. Cherbourg*, 32: 266 (Monog. Myric. 182) (1901).

*Myrica cerifera* β. Linnaeus, *Sp. Pl.* 1024 (1753).—Lamarck, *Encycl. Méth. Bot.* 2: 592 [1788].

*Myrica caroliniensis* sensu Wangenheim, *Beytr. Deutsch. Holzger. Forstwiss. Nordam. Holz.* 102 (1787).—Willdenow, *Sp. Pl.* 4,2: 746 [1806].—Non Miller (1768).

*Myrica pensylvanica* Hort. ex Lamarck, l. c. [1788], pro syn.

*Myrica cerifera* var. *latifolia* Aiton, *Hort. Kew.* 3: 396 (1789).

*Myrica cerifera* sensu Bigelow, *Fl. Bost.* 240 (1814).—Schmidt, *Oestr. Baumz.* 4: 49, t. 232 (1822).—Non Linnaeus (1753).

*Morella carolinensis* Small, *Fl. Southeast. U. S.* 337 (1903), p. p.

*Cerothamnus caroliniensis* Tidestrom, *Elys. Marian.* 41, t. 10, fig. c (1910), p. p.; non *M. caroliniensis* Mill. (1768).

*Cerothamnus pensylvanicus* Moldenke in *Rev. Sudam. Bot.* 4: 16 (1937).

**M. heterophylla** Rafinesque, *Alsogr. Am.* 9 (1838) "*heterophylla*".—Fernald in *Rhodora*, 40: 410 (1938).

*Myrica cerifera* β. *media* Michaux, *Fl. Bor.-Am.* 2: 228 (1803), p. p.

?*Myrica sessilifolia* Rafinesque, *Alsogr. Am.* 10 (1838).

?*Myrica sessilifolia* var. *latifolia* Rafinesque, l. c. (1838).

*Myrica Curtissi* var. *media* (Michx.) Chevalier in *Mém. Soc. Sci. Nat. Math. Cherbourg*, 32: 270 (Monog. Myric. 186) (1901).

**M. heterophylla** var. *Curtissi* (Chevalier) Fernald in *Rhodora*, 40: 410 (1938).

*Myrica Curtissi* Chevalier, in *Mém. Soc. Sci. Nat. (Math.) Cherbourg*, 32: 269 (Monog. Myric. 185) (1901).

**M. cerifera** Linnaeus, *Sp. Pl.* 1024 (1753).—Sargent, *Silva N. Am.* 9: 87, t. 459 (1896).

*Myrica caroliniensis* Miller, *Gard. Dict.* ed. 8, *M.* no. 3 (1768).

*Myrica cerifera* a. *angustifolia* Aiton, *Hort. Kew.* 3: 396 (1789).

**Myrica cerifera** (continued)

*Myrica cerifera* a. *arborescens* Castiglioni, Viagg. Stat. Unit. 2: 302 (1790).

*Cerophora lanceolata* Rafinesque, Alsogr. Am. 11 (1838).  
*Morella cerifera* (L.) Small, Fl. Southeast. U. S. 337, 1329 (1903).

*Cerotheramnus caroliniensis* Tidestrom, Elys. Marian. 41 (1910), p. p.

*Cerotheramnus ceriferus* (L.) Small, Fl. Miami, 61 (1913).

**M. californica** Chamisso & Schlechtendal in Linnaea, 6: 335 (1835).—Sargent, Silva N. Am. 9: 93, t. 461 (1896).

*Gale californica* Greene, Man. Bot. Bay-Reg. 298 (1894).

Subgen. II. **GALE** (Adans.) Engler in Nat. Pflanzenfam. III. 1: 27 (1893).

*Gale* Adanson, Fam. Pl. 2: 345 (1763).—Chevalier in Mém. Soc. Sci. Nat. Math. Cherbourg, 32: 176 (Monog. Myric. 92) (1901).

*Myrica* b. *Gale* (Tournef.) Endlicher, Gen. Pl. 272 (1837), p. p.—C. de Candolle in De Candolle, Prodr. 16,2: 147 (1864) "sect.", p. p.—Bentham & Hooker f., Gen. Pl. 3: 401 (1880) "sect."

*Cerophora* subgen. *Galestis* Rafinesque, Alsogr. Am. 11 (1838).

*Angeia* Tidestrom, Elys. Marian. 37 (1910).

**M. Gale** Linnaeus, Sp. Pl. 1024 (1753).—Sargent, Silva N. Am. 9: 84 (1896).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 352 (1910).

*Myrica palustris* Lamarck, Fl. Franç. 2: 236 (1778).

*Myrica brabantica* J. E. Gray, Nat. Arr. Brit. Pl. 2: 249 (1821).

*Gale belgica* Dumortier, Florula Belg. 12 (1827).

*Cerophora angustifolia* Rafinesque, Alsogr. Am. 11 (1838).

*Cerophora spicans* Rafinesque, op. cit. 12 (1838).

*Gale uliginosa* Spach, Hist. Nat. Vég. Phan. 11: 259 (1842).

*Gale palustris* (Lam.) Chevalier in Mém. Soc. Sci. Nat. Math. Cherbourg, 32: 177 (Monog. Myric. 93) (1901).

*Gale gale* (L.) Schneider, Dendrol. Winterstud. 234 (1903).

*Angeia palustris* Tidestrom, Elys. Marian. 39 (1910).

**M. Gale** var. *subglabra* (Chevalier) Fernald in Rhodora, 16: 167 (1914).

*Gale palustris* var. *subglabra* Chevalier in Mém. Soc. Sci. Nat. Math. Cherbourg, 32: 185 (Monog. Myric. 101) (1901).

**M. Gale** var. *tomentosa* C. de Candolle in De Candolle, Prodr. 16,2: 148 (1864) "β."

*Gale japonica* Chevalier in op. cit. 189 (105) (1901).

*Myrica tomentosa* (C. DC.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 353 (1910).—Sugawara, Ill. Fl. Saghal. 2: 701, t. 330 (1939).

**COMPTONIA** L'Héritier ex Aiton, Hort. Kew. 3: 334 (1789).—Banks ex Gaertner, Fruct. Sem. 2: 58, t. 90 (1791).

*Myrica* c. *Comptonia* Endlicher, Gen. Pl. 272 (1837).—C. de Candolle in De Candolle, Prodr. 16,2: 151 (1869) "sect."—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 354 (1910).

**C. peregrina** (L.) Coulter in Mem. Torrey Bot. Club, 5: 127 (1894).

*Liquidambar peregrina* Linnaeus, Sp. Pl. 999 (1753); Syst. Nat. ed. 10, 2: 1273 (1759), p. p.

*Comptonia Ceterach* Mirbel in Duhamel, Traité Arb. Arbust. ed. augm. [Nouv. Duhamel], 2: t. 11 [1804], tantum in tab.

*Myrica Comptonia* (Banks) C. de Candolle in De Candolle, Prodr. 16,2: 151 (1864).

*Myrica peregrina* (L.) Kuntze, Rev. Gen. Pl. 2: 638 (1891).

*Comptonia peregrina* var. *tomentosa* Chevalier in Mém. Soc. Sci. Nat. Math. Cherbourg, 32: 196 (Monog. Myric. 112) (1901).

**C. peregrina** var. *asplenifolia* (L.) Fernald in Rhodora, 40: 410 (1938).

*Myrica asplenifolia* Linnaeus, Sp. Pl. 1024 (1753); Syst. Nat. ed. 10, 2: 1273 (1759), pro syn.

*Liquidambar asplenifolia* C. F. Ludwig, Neu. Wilde Baumz. 27 (1783).

*Comptonia asplenifolia* (L.) L'Héritier ex Aiton, Hort. 3: 334 (1789).—Banks ex Gaertner, Fruct. Sem. Pl. 2: 58, t. 90 (1791).

*Comptonia peregrina* sensu Chevalier in Mém. Soc. Sci. Nat. Math. Cherbourg, 32: 193 (Monog. Myric. 109) (1901), non (L.) Coulter (1894).

Fam. **LEITNERIACEAE**

**LEITNERIACEAE** Engler, Führ. Bot. Gart. Breslau, 31 (1886); in Nat. Pflanzenfam. III. 1: 28 (1889).

*Castanéacées* v. *Leitneriaceae* Baillon, Hist. Pl. 6: 258 (1877).

*Leitneriaceae* Bentham & Hooker f., Gen. Pl. 3: 396 (1880).

**LEITNERIA** Chapman, Fl. South. U. S. 427 (1860).—Sargent, Silva N. Am. 7: 109 (1895).

Typus: *L. floridana* Chapm.

**L. floridana** Chapman, l. c. (1860).—Sargent, op. cit. 111, t. 330 (1895).

Fam. **JUGLANDACEAE**

**JUGLANDACEAE** Horaninov, Prim. Lin. Syst. Nat. 64 (1834).—Lindley, Nat. Syst. Bot. ed. 2, 180 (1836).

*Amentaceae* P. F. Gmelin, Otia Bot. 49, 90 (1760), p. p.

*Juglandae* [De Candolle, Théor. Elém. Bot. 215 (1813) "Juglandées"—] A. Richard ex Kunth in Ann. Sci. Nat. 2: 343 (1824).

*Amentaceae* e. *Juglandae* Agardh, Aphor. Bot. 209 (1825).

*Terebinthaceae* a. *Amyrideae* a. *Juglandae* Reichenbach, Consp. Reg. Veg. 146 (1828), nom. subnud.; Handb. Nat. Pflanzensyst. 224 (1837) "*Terebinthineae* b. I."

*Juglandineae* Drude in A. Schenk, Handb. Bot. 3,2: 408 (1887).

**PLATYCARYA** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 3: 741 (1843).

*Petrophiloides* Bowerbank, Foss. Fruits Lond. Clay, 43, t. 9, 10 (1840).

*Fortunaea* Lindley in Jour. Hort. Soc. Lond. 1: 150 (1846).

Typus: *P. strobilacea*. Sieb. & Zucc.

**P. strobilacea** Siebold & Zuccarini in op. cit. 742, t. 5 (1843).—Nakai, Fl. Sylv. Kor. 20: 77, t. 16 (1933).

*Fortunaea chinensis* Lindley in Jour. Hort. Soc. Lond. 1: 150, 1 fig. (1846).—Naudin in Rev. Hort. sér. 2, 5 (1846): 282 (1846) "*Fortunaea*."

*Petrophiloides strobilacea* (S. & Z.) Reid & Chandler in Lond. Clay Fl. 138 (1933).—Koidzumi in Ohwi in Act. Phytotax. Geobot. 4: 48 (1935).

*Platycarya sinensis* Mottet, Arb. Arbust. Orn. 409 (1925).

**PTEROCARYA** Kunth in Ann. Sci. Nat. 2: 345 (1824).  
—C. de Candolle in De Candolle, Prodr. 16,2: 139 (1864).

Typus: *Juglans pterocarpa* Michx. = *P. fraxinifolia* (Lam.) Spach.

Sect. I. DIPTERA Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 437 (1907).

*Pterocarya* sect. *Stenoptera* Nagel in Bot. Jahrb. 50: 479 (1914).

*Pterocarya* sect. *Platyptera* Nagel, op. cit. 481 (1914), p. p.

*Pterocarya* sect. *Eupterocarya* Rehder & Wilson in Sargent, Pl. Wilson. 3: 181 (1916).

**P. fraxinifolia** (Lam.) Spach, Hist. Nat. Vég. Phan. 2: 180 (1834).—Schneider, Ill. Handb. Laubh. 1: 93, fig. 49f-k, 50, 51 (1904).

*Juglans fraxinifolia* Lamarck, Encycl. Méth. Bot. 4: 502 (1797).

*Juglans pterocarpa* Michaux, Fl. Bor.-Am. 2: 192 (1803).

*Rhus obscurum* Bieberstein, Fl. Taur.-Cauc. 1: 243 (1808).

*Pterocarya caucasica* C. A. Meyer, Verzeichn. Caucas. Casp. Pfl. 134 (1831).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 438, t. 123, 125, fig. 1 (1907).

*Pterocarya Spachiana* Lavallée, Arb. Segrez. Icon. 69, t. 20 [1882].

*Pterocarya sorbifolia* Dippel, Handb. Laubh. 2: 327, fig. 149 (1892), non Siebold & Zuccarini (1846).

*Pterocarya fraxinifolia* var. *a. typica* Schneider, Ill. Handb. Laubh. 1: 94 (1904).

**P. fraxinifolia** var. *dumosa* Schneider, Ill. Handb. Laubh. 1: 94 (1904).

*Pterocarya dumosa* Lavallée, Arb. Segrez. 217 (1877).—Dippel, Handb. Laubh. 2: 326 (1892), pro syn.

*Pterocarya fraxinifolia* sensu K. Koch, Dendr. 1: 599 (1896).—Dippel, Handb. Laubh. 2: 326 (1892).—Non Spach (1834).

*Pterocarya caucasica* var. *dumosa* (Schneid.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 439 (1907).

**P. Rehderiana** [*P. fraxinifolia* × *stenoptera*] Schneider, Ill. Handb. Laubh. 1: 93 (1904).—Rehder in Sargent, Trees Shrubs, 2: 79, t. 137 (1908).

*Pterocarya fraxinifolia* ♂ × *stenoptera* ♀ Rehder in Mitt. Deutsch. Dendr. Ges. 1903(12): 116 (1903).

**P. hupehensis** Skan in Jour. Linn. Soc. Lond. Bot. 26: 493 (1899).

**P. stenoptera** C. de Candolle in Ann. Sci. Nat. Bot. sér. 4, 18: 34 (1862).—Rehder & Wilson in Sargent, Pl. Wilson. 3: 181 (1916).

*Pterocarya laevigata* Hort. ex Lavallée, Icon. Arb. Segrez. 65 (1882), pro syn.

*Pterocarya chinensis* Hort. ex Lavallée, l. c. (1882), pro syn.—C. de Vos, Handb. Boom. Heest. ed. 2, 143 (1887).

*Pterocarya japonica* Hort. ex Dippel, Handb. Laubh. 2: 329, fig. 151 (1892).

*Pterocarya sinensis* Hort. ex Rehder in Bailey, Cycl. Am. Hort. 3: 1464 (1901), pro syn.

*Pterocarya stenoptera* a. *typica* Franchet in Jour. de Bot. 12: 317 (1898).

*Pterocarya stenoptera* β. *kouitchensis* Franchet in op. cit. 318 (1898).

Sect. II. CYCLOPTERA Franchet in Jour. de Bot. 12: 318 (1898).—Nagel in Bot. Jahrb. 50: 481 (1914).

**P. Paliurus** Batalin in Act. Hort. Petrop. 13: 101 (1893).

—Rehder & Wilson in Sargent, Pl. Wilson. 3: 182 (1916).

Sect. III. PLATYPTERA Nagel in Bot. Jahrb. 50: 481 (1914), emend.

*Pterocarya* sect. *Chlaenopterocarya* Rehder & Wilson in op. cit. 183 (1916).

**P. rhoifolia** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,2: 141 (Fl. Jap. Fam. Nat. 1: 33) (1845).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 63 (in Mém. Biol. 8: 637) (1872).

*Pterocarya sorbifolia* Siebold & Zuccarini, l. c. (1845).

*Pterocarya fraxinifolia* var. *sorbifolia* Zabel in Rümpler, Ill. Gärt.-Lex. ed. 3, 655 (1901).

**JUGLANS** Linnaeus, Sp. Pl. 997 (1753), exclud. sp. 2; Gen. Pl. 431, no. 950 (1754).—Dode in Bull. Soc. Dendr. France, 1906: 67–98; 1909: 165–215, il.

*Juglans* subgen. *Pikerionaria* et subgen. *Melanocarya* Rafinesque, Alsogr. Am. 66 (1838).

*Hippocarya* (p. 22), *Pericarya*, *Pittocarya* Dochnahl, Sich. Führ. Obstk. 4: 24 (1860).

*Wallia* Alefeld in Bonplandia, 9: 336 (1861).

LECTOTYPUS: *J. regia* L.

**J. regia** Linnaeus, l. c. (1753).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 251, t. 73, fig. 2, t. 74, 75 (1907).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 359 (1910).

*Juglans ornatorum* et *J. cuneata* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. 6: J. no. 2, 3, t. 140, 141, fasc. 25 [181.?).

*Juglans Hippocarya* Dochnahl, Sich. Führ. Obstk. 4: 22 (1860).

**J. regia** subsp. *turcomanica* Popov in Bull. Appl. Bot. (Pl. Breed.) 22,3:300 fig. 16, 18, 21 (1929).

**J. regia** var. *kamaonica* C. DeCandolle in De Candolle, Prodr. 16,2: 136 (1864) “*g.*”—(Dode) Popov in Bull. Appl. Bot. (Pl. Breed.) 22,3: 302 (1929) “subsp. *fallax* var. *k.*”.

*Juglans kamaonica* Dode in Bull. Soc. Dendr. France, 1906: 86, fig. (p. 82) (1906).

**J. regia** subsp. *fallax* (Dode) Popov in op. cit. 301, fig. 19, 20, 22 (1929).

*Juglans fallax* Dode in Bull. Soc. Dendr. France, 1906: 89, fig. (p. 83) (1906).

*Juglans Duclouxiana* Dode in op. cit. 81, fig. (p. 82) (1906).

**J. regia** f. *heterophylla* [Jacques] Schneider, Ill. Handb. Laubh. 1: 85, fig. 44f (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 361 (1910) “*lus.*”

*Juglans regia heterophylla* Jacques in Ann. Soc. Hort. Paris, 3: 21 (1828).—Pepin in Rev. Hort. sér. 2, 4: 287 (1845).—K. Koch, Dendr. 1: 585 (1869).

*Juglans heterophylla* Hort. ex Loudon, Arb. Brit. 3: 1424 (1838), pro syn.

**J. regia** f. *laciniata* [Jacques] Schneider, Ill. Handb. Laubh. 1: 85, fig. 44e (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 361 (1910) “*lus.*”

*Juglans regia laciniata* Jacques in Ann. Soc. Hort. Paris, 7: 96 (1830).—Loudon, Arb. Brit. 3: 1424 (1838) “var.” —C. de Candolle in De Candolle, Prodr. 16,2: 136 (1864) “*u.*”

*Juglans filicifolia* Loddiges Cat. 1836 ex Loudon, Arb. Brit. 3: 1424 (1838), pro syn.

**Juglans regia** f. **laciniata** (continued)

- Juglans regia* δ. *filicifolia* K. Koch, Hort. Dendr. 199 (1853).
- Juglans regia asplenifolia* K. Koch, Dendr. 1: 585 (1869).
- Juglans laciniata* Dochnahl, Sich. Führ. Obstk. 4: 21 (1860).
- Juglans regia salicifolia* K. Koch, l. c. (1869), pro syn.
- J. regia** f. **monophylla** [Dochnahl] Schneider, Ill. Handb. Laubh. 1: 85, fig. 44g (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 361 (1910) "lus."
- Juglans monophylla* Dochnahl, Sich. Führ. Obstk. 4: 21 (1860).
- Juglans regia* γ. *monophylla* C. de Candolle in De Candolle, Prodr. 16,2: 136 (1864).
- J. regia** f. **pendula** [Pepin] Schneider, Ill. Handb. Laubh. 1: 86 (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 361 (1910) "lus."
- Juglans regia pendula* Pepin in Rev. Hort. 1853: 180 (1853).
- Juglans pendula* Dochnahl, Sich. Führ. Obstk. 4: 21 (1860).
- J. regia** f. **praeparturiens** (Pepin), grad. nov.
- Juglans praeparturiens* Poitier ex Pepin in Ann. Soc. Hort. Paris, 27: 241 (1840).
- Juglans regia* var. *praeparturiens* Lemaire in Fl. des Serr. 4: 367 (1848).—C. de Candolle in De Candolle, Prodr. 16,2: 136 (1864).
- Juglans regia* γ. *fertilis* hort. ex K. Koch, Hort. Dendr. 199 (1853).—Schneider, Ill. Handb. Laubh. 1: 85 (1904) "f."
- Juglans regia* (f.) a. *fruticosa* Dippel, Handb. Laubh. 2: 318 (1892).
- J. sinensis** (*J. mandshurica* × *regia*) (C. DC.) Dode in Bull. Soc. Dendr. France, 1925: 10 (1925); 1926: 92 (1926).
- Juglans regia* var. *sinensis* C. de Candolle in Ann. Sci. Nat. Bot. sér. 4, 18: 33, t. 4, fig. 38–40 (1862).
- J. microcarpa** Berlandier in Berlandier & Chovell, Diar. Viage Com. Limit. Mier y Teran, 276 (1850).—I. M. Johnston in Jour. Arnold Arb. 25: 436 (1944).
- Juglans nana* Engelm. in Proc. Am. Assoc. Adv. Sci. 5: 226 (1851).
- Juglans rupestris* Engelm. ex Torrey in Sitgreaves, Rep. Exp. Zuni & Colo. Riv. 171, t. 15 (1853).—Sargent, Silva N. Am. 7: 125, t. 335 (1895).
- J. major** (Torr.) Heller in Muhlenbergia, 1: 50 (1904).
- Juglans rupestris* β. *major* Torrey in Sitgreaves, Rep. Exp. Zuni & Colo. Riv. 171, t. 16 (1853).—C. de Candolle in De Candolle, Prodr. 16,2: 138 (1864).—Sargent, Silva N. Am. 7: 126 (in nota), t. 336 (1895) "var."
- Juglans Torreyi* Dode in Bull. Soc. Dendr. France, 1909: 194, fig., t. (p. 175) (1909).
- Juglans arizonica* Dode in op. cit. 193, fig. a. (p. 175) (1909).
- J. Hindsii** [Jeps.] ex R. E. Smith in Bull. Univ. Calif. Agric. Exp. Sta. 203: 27, fig. 9a (1909).—Jepson in Madroño, 1: 57, fig. 28b (1917).
- Juglans californica* var. *hindsii* Jepson, Fl. Calif. 1: 365 (1909).
- J. Hindsii** f. **quercinifolia** (Babc.), grad. nov.
- Juglans californica* var. *hindsii* mut. *quercina* Babcock in Proc. Nat. Acad. Sci. 1: 535 (1915), non *J. calif. quercina* (1913).

*Juglans Hindsii* var. *quercinifolia* Babcock in Univ. Calif. Pub. Agric. Sci. 2: 75, t. 20 (1916).

**J. Hindsii** × **regia** (= *J. "PARADOX"*) Burbank, New Creations Fruit Flow. Suppl. 1898: 6, fig. (1898).—Meunissier in Rev. Hort. 1916: 110 (1916).

**J. Hindsii** × **nigra** (= *J. "ROYAL"*) Burbank, op. cit. 7, fig. (1898).—Anon. in Am. Nut. Jour. 11: 61, fig. (1919).—Meunissier in Rev. Hort. 1916: 111 (1916).

**J. californica** S. Watson in Proc. Am. Acad. Arts Sci. 10: 349 (1875).—Sargent, Silva N. Am. 7: 129, t. 337 (1895).

**J. californica** f. **quercina** (Babc.), grad. nov.

*Juglans californica* [var.] Babcock in Jepson, Silva Calif. 50, fig. 6–8 (1910).

*Juglans quercifolia* Pierce in Science, n. ser., 37: 614 (1913).

*Juglans californica* var. *quercina* Babcock in Science, n. ser., 38: 89 (1913); in Univ. Calif. Pub. Agric. Sci. 2: 7, t. 1–6 (1913); in Proc. Nat. Acad. Sci. 1: 535 (1915) "mut."

*Juglans Hindsii* var. *quercina* Sargent ex Rehder in Bailey, Stand. Cycl. Hort. 3: 1722 (1915); in Mitt. Deutsch. Dendr. Ges. 1915: 214 [1916], "f."

**J. nigra** Linnaeus, Sp. Pl. 997 (1753).—Sargent, Silva N. Am. 7: 121, t. 333–4 (1895).

*Juglans Pitteursii* Morren in Ann. Soc. Agric. Bot. Gand, 4: 179, t. 197 (1848).

*Pericarya nigra* Dochnahl, Sich. Führ. Obstk. 4: 24 (1860).

*Wallia nigra* Alefeld in Bonplandia, 9: 336 (1861).

*Wallia fraxinifolia* Alefeld, l. c. (1861), exclud. basonym.

**J. nigra** f. **laciniata** Rehder in Jour. Arnold Arb. 26: 472 (1945).

*Juglans nigra laciniata* J. Hershey, Price List Nut Tree Nurseries [1937]: 4 [1937] "Cut Leaf Black Walnut," cum descr. angl.; [1941]: 8 [1941] "*J. Nigra Laciniata*", nom.

**J. intermedia** (*J. nigra* × *regia*) Carrière in Rev. Hort. 1863: 29 (1863).—Dippel, Handb. Laubh. 2: 318 (1892).

*Juglans intermedia pyriformis* Carrière, l. c. (1863).

?*Juglans regia gibbosa* Carrière in Rev. Hort. 1861: 428 (1861).

*Juglans intermedia* var. *a. typica* Schneider, Ill. Handb. Laubh. 1: 86 (1904).

**J. intermedia** var. **Vilmoreana** (Carr.) Schneider, Ill. Handb. Laubh. 1: 87 (1904).

*Juglans intermedia Vilmoreana* Carrière in Rev. Hort. 1863: 30 (1863).

*Juglans intermedia a. Villmoriniana* (Carr.) Dippel, Handb. Laubh. 2: 318 (1892).

*Juglans Vilmoriniana* Meunissier in Rev. Hort. 1916: 112, fig. (1916).

**J. cinerea** Linnaeus, Syst. Nat. ed. 10, 1273 (1759).—Sargent, Silva N. Am. 7: 118, t. 331–2 (1895).

*Juglans oblonga* Miller, Gard. Dict. ed. 8, J. no. 3 (1768).

*Juglans oblonga alba* Marshall, Arbust. Am. 67 (1785).

*Juglans cathartica* Michaux f., Hist. Arb. Am. 1: 165, t. 2 (1810).

*Pittocarya cinerea* Dochnahl, Sich. Führ. Obstk. 4: 24 (1860).

*Wallia cinerea* Alefeld in Bonplandia, 9: 336 (1861).

**J. quadrangulata** (*J. cinerea* × *regia*) (Carr.) Rehder in Bailey, Cycl. Am. Hort. [2]: 847 (1900).

- Juglans intermedia alata* Carrière in Rev. Hort. 1865: 446 (1865). — Dippel, Handb. Laubh. 2: 319 (1892).
- Juglans intermedia quadrangulata* Carrière in Rev. Hort. 1870: 493, fig. 66–68 (1871).
- Juglans alata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 847 (1900), pro syn. — Schelle in Beissner et al., Handb. Laubh.-Ben. 11 (1903). — Schneider, Ill. Handb. Laubh. 1: 88 (1904).
- J. cathayensis** Dode in Bull. Soc. Dendr. France, 1909: 47, fig. (1909). — Rehder & Wilson in Sargent, Pl. Wilson. 3: 185 (1916).
- Juglans Draconis* Dode, op. cit. 49, fig. (1909).
- J. mandshurica** Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 27 (in Mém. Biol. 2: 417) (1856). — C. De Candolle in De Candolle, Prodr. 16,2: 138 (1864) "*mandchurica*". — Lauche, Deutsche Dendr. 305 (1880) "*mandschurica*". — Nakai, Fl. Sylv. Kor. 20: 85, t. 17, 18 (1933).
- Juglans regia* var. *octogona* Carrière in Rev. Hort. 1861: 429 (1861).
- J. stenocarpa** Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 78 (Prim. Fl. Amur.) (1859); in Bull. Acad. Sci. St. Pétersb. 18: 58, fig. (in Mém. Biol. 8: 632) (1873). — Boerner in Mitt. Deutsch. Dendr. Ges. 44 (1932): 365, fig., t. 33 (1932).
- J. cordiformis** Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 61 (in Mém. Biol. 8: 63) (1873).
- Juglans Sieboldiana* var. *cordiformis* (Maxim.) Makino in Bot. Mag. Tokyo, 9: (313) (1895); 15: 94 (1901).
- Juglans Allardiana* Dode in Bull. Soc. Dendr. France, 1909: 34, fig. (1909).
- Juglans coarctata* Dode in op. cit. 36, fig. (1909).
- Juglans Lavalleyi* Dode in op. cit. 37, fig. (1909).
- Juglans subcordiformis* Dode in op. cit. 43, fig. (1909).
- Juglans ailantifolia* var. *cordiformis* (Maxim.) Rehder in Jour. Arnold Arb. 26: 68 (1945).
- J. cordiformis** var. *ailantifolia* (Carr.) Rehder in op. cit. 472 (1945).
- Juglans Sieboldiana* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 61 (in Mém. Biol. 8: 63) (1873). — Miyabe & Kudo, Icon. For. Trees Hokk. 65, t. 20 (1922). — Non Göppert (1854), fossil.
- Juglans ailantifolia* Carrière in Rev. Hort. 1878: 414, fig. 85–86 (1878). — Little in Jour. Washington Acad. Sci. 33: 132 (1943).
- Juglans macrophylla* Carrière in op. cit. 415 (1878).
- Juglans japonica* Hort. ex Lavallée, Arb. Segrez. Icon. 1 (1880), pro syn.
- J. notha** [*J. cordiformis* var. *ailantifolia* × *regia*] Rehder in Jour. Arnold Arb. 5: 235 (1924) "*J. Sieboldiana* × *regia*".
- J. notha** var. *Batesii* [*J. cordiformis* × *regia*] Rehder in op. cit. 236 (1924) "*J. regia* × *Sieboldiana* var. *cordiformis*".
- J. Bixbyi** [*J. cinerea* × *cordiformis* var. *ailantifolia*] Rehder in Jour. Arnold Arb. 2: 178 (1921) "*J. Sieboldiana* × *cinerea*". — E. Jahn in Mitt. Deutsch. Dendr. Ges. 42(1930): 42, fig. 1b, 2b (1930).
- Juglans cinerea* × *Sieboldiana* Bixby in Am. Nut. Jour. 10: 76, fig. 5, nos. 2, 3, fig. 7 (1919).
- Juglans Sargentii* Sudworth, Check List For. Trees U. S. 50 (U. S. Dept. Agric. Misc. Circ. 92) (1927).
- J. Bixbyi** var. *lancastriensis* (*J. cinerea* × *cordiformis*) Rehder in Jour. Arnold Arb. 2: 178 (1921) "*J. cinerea* × *Sieboldiana* var. *cordiformis*".
- Juglans cordiformis* × *cinerea* Bixby in Am. Nut. Jour. 10: 82, fig. 6, 11 (1919).
- CARYA** Nuttall, Gen. N. Am. Pl. 2: 220 (1818). — C. de Candolle in De Candolle, Prodr. 16,2: 142 (1864). — Bentham & Hooker f., Gen. Pl. 3: 398 (1880). — Little in Am. Midland Nat. 29: 493–500 (1943). — Nom. CONSERV. cf. Règles Intern. Nom. Bot. 77, no. 1882 (1906).
- Juglans* Linnaeus, Sp. Pl. 997 (1753), p. p.
- Scoria* Rafinesque in New York Med. Rep. hex. 2, 5: 352 (1808), err. typogr. pro *Hicoria*; in Jour. de Bot. (Desvaux) 2: 170 (1809). — Rafinesque ex Endlicher, Gen. Pl. 1126 (1840) "*Scorias*". — Kuntze, Rev. Gen. Pl. 2: 637 (1891).
- Hicarya* Rafinesque, First Cat. Bot. Gard. Transylv. Univ. 12 (1814), nom.
- Hicorius* Rafinesque, Fl. Ludovic. 109 (1817); in Am. Monthly Mag. 2: 262 (1818). — Steudel, Nomencl. Bot. 1: 164, 404 (1821) "*Hicorius*", pro syn. — Rafinesque ex Bentham & Hooker f., Gen. Pl. 3: 398 (1880) "*Hicorias*", pro syn. — Sargent in Gard. & For. 2: 460 (1889).
- Hicorya* Rafinesque, Med. Fl. 2: 228 (1830).
- Hicoria* Rafinesque, Alsogr. Am. 65 (1838). — Nuttall, N. Am. Sylv. 1: 38 (1842) "*Hickoria*", pro syn. — Le Conte in Proc. Acad. Nat. Sci. Philad. 6: 402 (1853) "*Hickorea*". — Sargent, Silva N. Am. 7: 131 (1895).
- Pecania* Dochnahl, Sich. Führ. Obstk. 4: 26 (1860).
- LECTOTYPUS: *C. tomentosa* [Lam.] Nutt. (*Juglans alba* L., p. p.)
- Sect. I. PACANIA (Rafin.) Rehder in Jour. Arnold Arb. 28: ined. (1947).
- Hicoria* subgen. *Pecania* Rafinesque, Alsogr. Am. 65 (1838).
- Hicoria* subgen. *Drimocaria* Rafinesque, l. c. (1838), p. p.
- Carya* sect. II. *Apocarya* C. de Candolle in De Candolle, Prodr. 16,2: 144 (1864).
- Hicoria* sect. *Apohicoria* Dippel, Handb. Laubh. 2: 336 (1892).
- Hicoria* sect. [*Apocarya*] Sargent, Silva N. Am. 7: 135 (1895).
- C. illinoënsis** (Wangenh.) K. Koch, Dendr. 1: 593 (1869). — Robinson & Fernald in Gray, Man. Bot. N. U. S., ed. 7, 331 (1908). — Rehder in Jour. Arnold Arb. 22: 571 (1941).
- ?*Juglans illinea* Weston, Eng. Fl. 18 (1775), nom.
- Juglans pecan* Marshall, Arbust. Am. 69 (1785), nom. subnud.
- Juglans illinoensis* Wangenheim, Beytr. Teutsch. Holzger. Forstwiss. Nordam. Holz. 54, t. 18 (1787), exclud. fig. fructus, descr. fructus p. p.
- Juglans angustifolia* Aiton, Hort. Kew. 3: 361 (1789).
- Juglans alba* e. *pacana* Castiglioni, Viaggio Stati Un. 2: 262 (1790).
- Juglans cylindrica* Lamarck, Encycl. Méth. Bot. 4: 505 (1798).
- Juglans olivaeformis* Hort. Paris ex Lamarck, l. c. (1798), pro syn. — Michaux, Fl. Bor.-Am. 2: 192 (1803).
- Hicarya olivaeformis* Rafinesque, First Cat. Bot. Gard. Transylv. Univ. 12 (1814), nom.
- Carya olivaeformis* Nuttall, Gen. N. Am. Pl. 2: 221 (1818). — C. De Candolle in De Candolle, Prodr. 16,2: 144 (1864).



**Carya illinoënsis** (*continued*)

- Carya angustifolia* Sweet, Hort. Brit. 97 (1827).—Nuttall, N. Am. Sylva, 1: 41 (1842).  
*Hicoria oliva* Rafinesque, Med. Fl. 2: 228 (1830).  
*Carya tetraptera* Liebmman in Vidensk. Medd. Nat. For. Kjöbenh. 1850: 86 (1850).  
*Hicoria Pecan* (Marsh.) Britton in Bull. Torrey Bot. Club, 15: 282 (1888).—Sargent, Silva N. Am. 7: 137, t. 338 (1895).  
*Hicorius pecan* Sargent in Gard. & For. 2: 460 (1889).  
*Carya Pecan* Engler & Graebner in Notizbl. Bot. Gart. Mus. Berlin, App. 9: 19 [1902].—Sargent, Man. Trees N. Am. ed. 2, 177, fig. 169 (1922).—Non Nuttall (1842).  
**C. Brownii** [*C. cordiformis* × *illinoënsis*] Sargent, Trees Shrubs, 2: 195, t. 178 (1913) "*C. cordiformis* × *pecan*".  
**C. Schneekii** [*C. illinoënsis* × *tomentosa*] Sargent in Bot. Gaz. 66: 253 (1918) "*C. alba* × *pecan*".  
**C. Nussbaumeri** [*C. illinoënsis* × *laciniata*] Sargent in op. cit. 254 (1918) "*C. laciniata* × *pecan*".  
**C. Lecontei** [*C. aquatica* × *illinoënsis*] Little in Am. Midland Nat. 29: 503 (1943) "*lecontei*".  
*Hickorea texana* Le Conte in Proc. Acad. Nat. Sci. Philad. 6: 402, fig. (1853).—Sargent, Silva N. Am. 14: 43, t. 719 (1902) "*Hicoria t.*"  
*Carya texana* C. De Candolle in Ann. Sci. Nat. Bot. sér. 4, 18: 33 (1862).—Schneider ex Sargent, Man. Trees N. Am. ed. 2, 179, fig. 170 (1922).—E. J. Palmer in Jour. Arnold Arb. 18: 133 (1937) "*C. aquatica* × *C. Pecan*".—Rehder, Man. Cult. Trees Shrubs, ed. 2, 121 (1940).—Non Buckley (1860).  
**C. myristicaeformis** (Michx. f.) Nuttall, Gen. N. Am. Pl. 2: 221 (1818).—Elliott, Sketch Bot. S.-Carol. 2: 268 (1824).—Sargent, Man. Trees N. Am. ed. 2, 182, fig. 173 (1922).  
*Juglans myristicaeformis* Michaux f., Hist. Arb. For. Am. Sept. 1: 211, t. 10 (1810).  
*Carya amara* var. ? *myristicaeformis* Cooper in Ann. Rep. Smithsonian. Inst. 13(1858): 255 (1859).  
*Hicoria myristicaeformis* Britton in Bull. Torrey Bot. Club, 15: 284 (1888).—Sargent, Silva N. Am. 7: 145, t. 342-3 (1895).  
*Hicorius myristicaeformis* Sargent in Gard. & For. 2: 460 (1889).  
*Hicoria Fernowiana* Sudworth in Sudworth & Fernow, Trees Washingt. [6] (1891).  
*Carya Fernowiana* Sudworth, l. c. (1891), nom. altern.  
**C. cathayensis** Sargent, Pl. Wilson. 3: 187 (1916).  
*Hicoria cathayensis* (Sarg.) Chun, Chin. Econ. Trees, 62, t. 20 (1922).  
**C. aquatica** (Michx. f.) Nuttall, Gen. N. Am. Pl. 2: 221 (1818).—Elliott, Sketch Bot. S.-Carol. 2: 627 (1824).—Sargent, Man. Trees N. Am. ed. 2, 181, fig. 172 (1922).  
*Juglans aquatica* Michaux f., Hist. Arb. For. Am. Sept. 1: 182 (1810).  
*Hicorius integrifolia* Rafinesque, Fl. Ludovic. 109 (1817).  
*Carya integrifolia* Sprengel, Syst. Pl. 3: 849 (1826).  
*Hicoria aquatica* Rafinesque, Fl. Med. 2: 228 (1830).  
*Hicoria aquatica* Rafinesque, Alsogr. Am. 66 (1838), nom.—Britton in Bull. Torrey Bot. Club, 15: 284 (1888).—Sargent, Silva N. Am. 7: 149, t. 344-5 (1895).  
*Hicorius aquaticus* Sargent in Gard. & For. 2: 460 (1889).

- C. cordiformis** (Wangenh.) K. Koch, Dendr. 1: 597 (1869).—Sargent, Man. Trees N. Am. ed. 2, 180, fig. 171 (1922).  
*Juglans alba minima* Marshall, Arbust. Am. 68 (1785).  
*Juglans cordiformis* Wangenheim, Beytr. Deutsch. Holzger. Forstwiss. Nordam. Holz. 25, t. 10, fig. 25 (1787).  
*Juglans sulcata* Willdenow, Berlin. Baumz. 154 (1796).  
*Juglans minima* Borkhausen, Theor.-prakt. Handb. Forstbot. 1: 1760 (1800).  
*Juglans mucronata* Michaux, Fl. Bor.-Am. 2: 192 (1803).  
*Juglans alba ovata* Robin, Voy. Inter. Louisiana, 3: 510 (1807), non Marshall (1785).  
*Scoria mucronata* Rafinesque in Med. Repos. N. York, hex. 2, 5: 352 (1808).  
*Juglans amara* Michaux f., Hist. Arb. For. Am. Sept. 1: 177, t. 4 (1810).  
*Hicorius amara* Rafinesque, Fl. Ludovic. 109 (1817).  
*Carya amara* Nuttall, Gen. N. Am. Pl. 2: 221 (1818).—C. De Candolle in De Candolle, Prodr. 16,2: 144 (1864).  
*Hicoria amara* Rafinesque, Med. Fl. 2: 228 (1830), nom.  
*Hicoria minima* Britton in Bull. Torrey Bot. Club, 15: 282 (1888).—Sargent, Silva N. Am. 7: 141, t. 340-1 (1895).  
*Hicorius minimus* Sargent in Gard. & For. 2: 460 (1889).  
*Scoria minima* Macmillan, Metasperm. Minnesota, 178 (1892).  
*Hicoria cordiformis* Britton, N. Am. Trees, 228, fig. 126 (1908).  
Sect. II. EUCARYA C. De Candolle in De Candolle, Prodr. 16,2: 142 (1864).  
*Hicoria* subgen. *Drimocarya*, p. p., subgen. *Glycaria*, subgen. *Hexacarya*, Rafinesque, Alsogr. Am. 66 (1838).  
*Hicoria* sect. *Euhicoria* Dippel, Handb. Laubh. 2: 331 (1892).  
*Hicoria* sect. *Eucarya* Sargent, Silva N. Am. 7: 135 (1895).  
**C. glabra** [Mill.] Sweet, Hort. Brit. 97 (1827).—Spach, Hist. Nat. Vég. Phan. 2: 179 (1834).—Sargent, Man. Trees N. Am. 144, fig. 123 (1922).  
*Juglans glabra* Miller, Gard. Dict. ed. 8, J. no. 5 (1768).  
*Juglans alba acuminata* Marshall, Arbust. Am. 68 (1785).  
*Juglans squamosa* Poirlet in Lamarck, Encycl. Méth. Bot. 4: 504 [1798?]  
*Juglans porcina* Michaux f., Hist. Arb. For. Am. Sept. 1: 206, t. 9 (1810).  
*Carya porcina* Nuttall, Gen. N. Am. Pl. 2: 221 (1818).  
*Hicoria porcina* Rafinesque, Med. Fl. 2: 228 (1830), nom.  
*Carya amara* var. *porcina* Darby, Bot. S. States, 513 (1855).  
*Hicoria glabra* Britton in Bull. Torrey Bot. Club, 15: 282 (1888).—Sargent, Silva N. Am. 7: 165, t. 352-3 (1895).  
*Hicorius glaber* Sargent in Gard. & For. 2: 460 (1889).  
*Scoria glabra* Kuntze, Rev. Gen. Pl. 2: 638 (1891).  
**C. glabra** var. *megacarpa* (Sarg.) Sargent in Bot. Gaz. 66: 244 (1918).—Little in Am. Midland Nat. 29: 504 (1943).  
? *Juglans Pecan* ? Walter, Fl. Carol. 236 (1788), non Marshall (1785).  
? *Carya Pecan* (Walt.) Nuttall, N. Am. Sylva. 1: 41 (1842).  
*Carya megacarpa* Sargent, Trees & Shrubs, 2: 201, t. 180 (1913).  
*Hicoria Ashei* Sudworth in Am. For. 30: 334, 2 fig. (1924).  
*Hicoria austrina* Small, Man. Southeast. Fl. 406, 1504 (1933).  
**C. ovalis** (Wangenh.) Sargent, Trees & Shrubs, 2: 207 (1913).

- Juglans ovalis* Wangenheim, Beytr. Deutsch. Holzger. Forstwiss. Nordam. Holz. 24, t. 10, fig. 23 (1787).  
*Carya microcarpa* Nuttall, Gen. N. Am. Pl. 2: 221 (1818), p. p.  
*Carya alba* β. *ovalis* (Wangenh.) K. Koch, Hort. Dendr. 200 (1853).  
*Hicoria ovalis* Ashe in Jour. Elisha Mitchell Sci. Soc. 34: 133 (1918).
- C. ovalis** var. *obcordata* (Pursh) Sargent, Trees & Shrubs, 2: 208 (1913).  
*Juglans obcordata* Mühlenberg & Willdenow in Neue Schrift. Ges. Naturf. Fr. Berlin, 3: 392 (1801), non Lamarck (1797).  
*Juglans porcina* α. *obcordata* Pursh, Fl. Am. Sept. 2: 638 (1814).  
*Carya microcarpa* Nuttall, Gen. N. Am. Pl. 2: 221 (1818), p. p.  
*Hicoria microcarpa* Britton in Bull. Torrey Bot. Club, 15: 283 (1888), p. p.  
*Hicoria glabra* var. *odorata* Sargent, Silva N. Am. 7: 167, t. 354, fig. 5-7, 9 (1895), p. p.
- C. ovalis** var. *odorata* (Marsh.) Sargent, Trees & Shrubs, 2: 208 (1913).  
*Juglans alba odorata* Marshall, Arbust. Am. 68 (1785).  
*Carya microcarpa* Darlington, Fl. Cestr. ed. 3, 264 (1853). — Gray, Man. Bot. N. U. S. ed. 5, 448 (1868).  
*Hicoria microcarpa* Britton in Bull. Torrey Bot. Club, 15: 283 (1887), p. p. — L. H. Bailey in Am. Garden, 11: 386, fig. 2, 5, 8, 10 (1890).  
*Hicoria glabra* var. *odorata* Sargent, Silva N. Am. 7: 167, t. 354, fig. 8 (1895), p. p.
- C. ovalis** var. *obovalis* Sargent, Trees & Shrubs, 2: 209, (1913).  
*Hicoria glabra* Sargent, Silva N. Am. 7: 165, t. 353, fig. 1, 3-5 (1895), p. p.
- C. ovalis** var. *borealis* (Ashe) Sargent, Trees & Shrubs, 2: 209 (1913).  
*Hicoria borealis* Ashe, Notes Hickories, 1 (1896).  
*Carya borealis* Schneider, Ill. Handb. Laubh. 1: 803 (1906).
- C. ovalis** var. *hirsuta* (Ashe) Sargent in Bot. Gaz. 66: 247 (1918).  
*Hicoria glabra hirsuta* Ashe, Notes Hickories, 1 (1896).  
*Carya porcina* var. *hirsuta* Ashe in Bull. Charleston Mus. 14: 12 (Febr.) (1918).  
*Hicoria porcina* var. *hirsuta* Ashe in Jour. Elisha Mitchell Sci. Soc. 34: 135 (Sept. 1918).
- C. pallida** (Ashe) Engler & Graebner, Notizbl. Bot. Gart. Mus. Berlin, App. 9: 19 [1902]. — Ashe in Bull. Charleston Mus. 14: 11 (1918).  
*Hicoria pallida* Ashe, Notes Hickories, 1 (1896); in Gard. & For. 10: 304, fig. 39 (1897).
- C. texana** Buckley in Proc. Acad. Nat. Sci. Philad. 1860: 444 (1861). — Little in Am. Midland Nat. 29: 502 (1943).  
*Carya Buckleyi* E. Durand in Proc. Acad. Nat. Sci. Philad. 1860: 547 (1861).  
*Hicoria Buckleyi* (Dur.) Ashe in Jour. Elisha Mitchell Sci. Soc. 34: 131 (1918).
- C. texana** var. *arkansana* (Sarg.) Little, l. c. (1943).  
*Carya arkansana* Sargent, Trees & Shrubs, 2: 203, t. 181 (1913).  
*Carya Buckleyi* var. *arkansana* (Sarg.) Sargent in Bot. Gaz. 66: 249 (1918).
- Hicoria pallida arkansana* Ashe in Jour. Elisha Mitchell Sci. Soc. 34: 132 (1918).  
*Hicoria arkansana* Ashe, l. c. (1918), nom. altern.  
*Hicoria Buckleyi arkansana* Ashe in Charleston Mus. Quart. 1, 2: 29 (1925).
- C. texana** var. *villosa* (Sarg.) Little in Am. Midland Nat. 29: 503 (1943).  
*Hicoria glabra* var. *villosa* Sargent, Silva N. Am. 7: 167, t. 355 (1895).  
*Hicoria odorata villosa* Ashe, Notes Hickories, 1 (1896).  
*Hicoria villosa* Ashe in Bull. Torrey Bot. Club, 24: 481 (1897).  
*Carya villosa* Schneider, Ill. Handb. Laubh. 1: 803 (1906).  
*Carya glabra* var. *villosa* Robinson in Rhodora, 10: 32 (1908).  
*Carya Buckleyi* var. *villosa* (Sarg.) Sargent in Bot. Gaz. 66: 251 (1918).  
*Hicoria pallida villosa* Ashe in Jour. Elisha Mitchell Sci. Soc. 34: 132 (1918).  
*Hicoria buckleyi villosa* Ashe in op. cit. 39: 91 (1923).
- C. tomentosa** (Poir.) Nuttall, Gen. N. Am. Pl. 2: 221 (1818). — Emerson, Rep. Trees Shrubs Mass. 194, t. 13 (1846); ed. 4, 1: 222, t. (1875). — C. de Candolle in De Candolle, Prodr. 16, 2: 143 (1864). — Rehder in Jour. Arnold Arb. 26: 483 (1945).  
*Juglans alba* Linnaeus, Sp. Pl. 997 (1753), p. p. — Crantz, Inst. Rei Herb. 1: 157 (1766). — Miller, Gard. Dict., ed. 7, J. no. 4 (1768). — Willdenow, Sp. Pl. 4: 457 (1805).  
*Juglans rubra* Gaertner, Fruct. Sem. 2: 51, t. 89, fig. k (1791), nom. subnud.  
*Juglans tomentosa* Poirlet in Lamarck, Encycl. Méth. Bot. 4: 504 [1798]. — Michaux, Fl. Bor. Am. 2: 192 (1803). — NOM. AMBIG. PROPOS.; cf. Rehder in Jour. Arnold Arb. 26: 482 (1945).  
*Scoria tomentosa* Rafinesque in Med. Repos. New York, hex. 2, 5: 352 (1808).  
*Carya tomentosa* β. *maxima* Nuttall, Gen. N. Am. Pl. 2: 221 (1818).  
*Hicoria maxima* (Nutt.) Rafinesque, Alsogr. Am. 67 (1838).  
*Carya alba* (Mill.) K. Koch, Dendr. 1: 596 (1869). — Sargent, Man. Trees N. Am. ed. 2, 188, fig. 178 (1922). — Non Nuttall (1818), nec Emerson (1846). — NOM. AMBIG. PROPOS.; cf. Rehder in Jour. Arnold Arb. 26: 482 (1945).  
*Hicoria alba* (L.) Britton in Bull. Torrey Bot. Club, 15: 283 (1888). — Sargent, Silva N. Am. 7: 153, t. 346, 347 (1895).  
*Hicoria alba* var. *maxima* Britton, l. c. (1888).  
*Hicorius albus* (L.) Sargent in Gard. & Forest, 2: 460 (1889).
- C. laciniosa** (Michx. f.) Loudon, Hort. Brit. 384 (1830); n. ed. 384 (1850). — Schneider, Ill. Handb. Laubh. 1: 804 (1906). — Sargent, Man. Trees N. Am. 186, fig. 177 (1922).  
*Juglans laciniosa* Michaux f., Hist. Arb. For. Am. Sept. 1: 199, t. 8 (1810).  
*Juglans pubescens* Willdenow, Berlin. Baumz. ed. 2, 196 (1811).  
*Juglans sulcata* Pursh, Fl. Am. Sept. 2: 637 (1814), non Willdenow (1796).  
*Carya sulcata* Nuttall, Gen. N. Am. Pl. 2: 221 (1818).  
*Carya pubescens* Sweet, Hort. Brit. 97 (1827).  
*Carya sulcata* β. *laciniosa* K. Koch, Hort. Dendr. 200 (1853).

**Carya laciniosa** (*continued*)

- Hicoria sulcata* Britton in Bull. Torrey Bot. Club, **15**: 283 (1888).  
*Hicorius sulcatus* Sargent in Gard. & For. **2**: 460 (1889).  
*Hicoria acuminata* Dippel, Handb. Laubh. **2**: 336 (1892).  
*Hicoria laciniosa* Sargent in Mem. Torrey Bot. Club, **5**: 354 (1894); Silva N. Am. **7**: 157, t. 348-9 (1895).
- C. ovata** (Mill.) K. Koch, Dendr. **1**: 59 (1869).—Sargent, Man. Trees N. Am. ed. 2, 183, fig. 174 (1922).—Rehder in Jour. Arnold Arb. **26**: 483 (1945).  
*Juglans alba* Linnaeus, Sp. Pl. 997 (1753), p. p. quoad syn. Plukenet.—Michaux, Fl. Bor. Am. **2**: 193 (1803).—Pursh, Fl. Am. Sept. **2**: 637 (1814).—NOM. AMBIG. PROPOS.; cf. Rehder in Jour. Arnold Arb. **26**: 482 (1945).  
*Juglans ovata* Miller, Gard. Dict., ed. 8, J. no. 6 (1768).  
*Juglans alba ovata* Marshall, Arbust. Am. 69 (1785).  
*Juglans compressa* Gaertner, Fruct. Sem. **2**: 151, t. 89, fig. i (1791).—Willdenow, Sp. Pl. **4**: 458 (1805).  
*Juglans latifolia* Poirlet in Lamarck, Encycl. Méth. Bot. **4**: 503 [1798].  
*Juglans obcordata* Poirlet in op. cit. 504 [1798].  
*Scoria alba* Rafinesque in Med. Repos. New York, hex. **2**, **5**: 352 (1808), nom.  
*Juglans squamosa* Michaux f., Hist. Arb. Am. **1**: 190, t. 7 (1810).—Nuttall, N. Am. Sylva, **1**: 80, t. 36 (1841).—Non Poirlet [1798] = *C. glabra* (Mill.) Sweet.  
*Carya alba* Nuttall, Gen. N. Am. Pl. **2**: 221 (1818), nom.—Emerson, Rep. Trees Shrubs Mass. 191, t. 12 (1846); ed. 4, **1**: 217, t. (1875).—C. de Candolle in De Candolle, Prodr. **16**: 142 (1864).—NOM. AMBIG. PROPOS.; cf. Rehder in Jour. Arnold Arb. **26**: 482 (1945).  
*Hicoria ovata* Britton in Bull. Torrey Bot. Club, **15**: 283 (1888).—Sargent, Silva N. Am. **7**: 153, t. 346, 347 (1895).  
*Hicorius ovatus* Sargent in Gard. & Forest, **2**: 460 (1889).  
*Scoria ovata* Macmillan, Metasperm. Minnesota, 178 (1892).
- C. ovata** f. *Halesi* (Rehd.), grad. nov.  
*Hicoria ovata* var. *Halesi* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 748 (1900).  
*Carya ovata* var. *Halesii* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. **2**: 678 (1914).
- C. ovata** var. *Nuttallii* Sargent, Trees & Shrubs, **2**: 207 (1913).  
*Carya microcarpa* Nuttall, N. Am. Sylva, **1**: 39, t. 13 (1842), non Nuttall (1818).  
*Hicoria ovata Nuttallii* (Sarg.) Ashe in Jour. Elisha Mitchell Sci. Soc. **34**: 132 (1918).
- C. ovata** var. *fraxinifolia* Sargent, Trees & Shrubs, **2**: 207 (1913).
- C. Laneyi** (*C. cordiformis* × *ovata*) Sargent, Trees & Shrubs, **2**: 196 (1913).  
*Hicoria Laneyi* House in New York State Mus. Bull. **233-4**: 14 (1921).
- C. Laneyi** var. *chateaugeyensis* Sargent, Trees & Shrubs, **2**: 197 (1913).
- C. carolinae-septentrionalis** (Ashe) Engler & Graebner in Notizbl. Bot. Gart. Mus. Berlin App. **9**: 19 (1902).  
*Hicoria carolinae-septentrionalis* Ashe, Notes Hickories, **1** (1896); in Gard. & For. **10**: 304 (1898).

Fam. **CORYLACEAE**

**CORYLACEAE** Mirbel, Elém. Phys. Vég. **2**: 906 (1815), *Fagus* exclud., *Betula* et *Alnus* exclus.—Barnhart in

Bull. Torrey Bot. Club, **22**: 10 (1895).—Fernald in Rhodora, **47**: 303 (1945).

*Amentaceae* P. F. Gmelin, Otia Bot. **49**, 90 (1760), p. p. *Betulaceae* Bartling, Ord. Nat. Pl. 99 (1830), sensu strict. —Horaninov, Prim. Lin. Syst. Nat. 63 (1834), sensu strict. —A. Br. in Ascherson, Fl. Prov. Brandenb. 618 (1864).—Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 1-149, fig. 1-28, t. 1-2 (1904).

Trib. i. **BETULEAE** [Dumort.] Rehder in Jour. Arnold Arb. **27**: 169 (1946).

*Salicineae* Mirbel, Elém. Phys. Vég. **2**: 905 (1815), p. p. quoad sect. ii.

*Amentaceae* b. *Betulaceae* C. A. Agardh, Aphor. Bot. 208 (1825).—Dumortier in Bijdr. Natuurk. Wetensch. **1**: 45 (Verh. Wilg. 4) (1825) "Afd. 1."; Florula Belg. **11** (1827) "trib. *Betuleae*".

*Betulaceae* Bartling, Ord. Nat. Pl. 99 (1830), sensu strict. —Regel in Nouv. Mém. Soc. Nat. Moscou, **13**: 63 (Monog. Betul. 5) (1861).

*Xylophyta* 1. *Betuleae* Döll, Erklär. Laubkn. Ament. **10** (1848).

*Betulaceae* trib. *Betuleae* Ascherson, Fl. Prov. Brandenb. 619 (1864).—Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 56 (1904).

*Castanéacées* I. *Betuleae* Baillon, Hist. Pl. **6**: 254 (1877).  
*Cupuliferae* trib. I. *Betuleae* Benth. & Hooker f., Gen. Pl. **3**: 403 (1880).

*Betulaceae* trib. *Aeneae* et *Betuleae* Nakai, Fl. Sylv. Kor. **2**: 7 (1915).

**BETULA** Linnaeus, Sp. Pl. 982 (1753); Gen. Pl. 422, no. 933 (1754).—Regel in Nouv. Mém. Soc. Nat. Moscou, **13**: 67-131, t. 4-13 (Monog. Betul. 9-73 (1861); in De Candolle, Prodr. **16**: 162-180 (1868).

LECTOTYPUS: *B. alba* L. p. p. = *B. pendula* Roth.

Sect. I. **BETULASTER** (Spach) Regel in De Candolle, Prodr. **16**: 179 (1868).—Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 88 (1904).

*Betulaster* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 198 (1841).

*Betula* subgen. *Betulaster* Endlicher, Gen. Pl. Suppl. **4**: 20 (1847).

Ser. 1. **ACUMINATAE** Regel in Bull. Soc. Nat. Moscou, **38**: 397 (1865) "sect."; in De Candolle, Prodr. **16**: 179 (1868) "sect. *Betulaster* subsect. *acuminatae*".

**B. Maximowicziana** Regel in De Candolle, Prodr. **16**: 180 (1868).—Schneider in Sargent, Pl. Wilson. **2**: 465 (1916).

*Betula Maximowiczii* Regel in Bull. Soc. Nat. Moscou, **38**: 418 (1865), non Ruprecht (1856).

*Betula candela* Koidzumi in Bot. Mag. Tokyo, **27**: 147 (1913).

**B. luminifera** H. Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 91, fig. 23a-c (1904).—Schneider in Sargent, Pl. Wilson. **3**: 455 (1916).

*Betula acuminata* var. *pyrifolia* Franchet in Jour. de Bot. **13**: 207 (1899).

*Betula alnoides* var. *pyrifolia* Burkill in Jour. Linn. Soc. Lond. Bot. **26**: 497 (1899), exclud. specim. Delavay.

*Betula cylindrostachys* var. *resinosa* Diels in Bot. Jahrb. **29**: 282 (1900).

*Betula Wilsoniana* Schneider, Ill. Handb. Laubh. **2**: 882, fig. 552a, 553a-b (1912).

*Betula hupehensis* Schneider, op. cit. 882, fig. 552b, 553c-d (1912).

- B. alnoides** Buchanan-Hamilton ex Don, Prodr. Fl. Nepal. 58 (1825).—Schneider in Sargent, Pl. Wilson. 3: 467 (1916).  
*Betula acuminata* Wallich, Pl. As. Rar. 2: 7, t. 109 (1831), non Ehrhart (1791).  
*Betulaster acuminata* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 199 (1841).  
*Betula cylindrostachys* var. *β. pilosa* et *γ. subglabra* Regel in De Candolle, Prodr. 16,2: 189 (1868).  
*Betula alnoides* var. *a. acuminata* (Wall.) H. Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 89, fig. 22a-c (1904).
- Sect. II. EUBETULA Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 74 (Monog. Betul. 16) (1861).—H. Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 57 (1904).
- Ser. 2. COSTATAE Regel in Bull. Soc. Nat. Moscou, 38,2: 412 (1865); in De Candolle, Prodr. 16,2: 175 (1868) "sect. *Eubetula* subsect. C."
- Betula* sect. *Eubetula* subsect. *Lentae* Regel, l. c. (1868).
- B. Ermani** Chamisso in Linnaea, 6: 537, t. 6d (1831).—Schneider in Sargent, Pl. Wilson. 2: 468 (1916) "*Ermanii*".—Vasiliev in Bot. Zhur. S. S. S. R. 27: 3, fig. 1 (1942).  
*Betula Ermani* a. *genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 122, t. 2, fig. 13-28 (Monog. Betul. 64) (1861).  
*Betula ulmifolia* sensu Regel in Bull. Soc. Nat. Moscou, 38,2: 412 (1865), non Siebold & Zuccarini (1845).  
*Betula Ermani* a. *typica* Regel in op. cit. 415 (1865).  
*Betula alba* var. *communis* sensu Shirasawa, Icon. Ess. For. Jap. 1: t. 21, fig. 1-15 (1900), non Regel (1865), nec Shirai (1894).
- B. Ermani** var. *subcordata* (Reg.) Koidzumi in Bot. Mag. Tokyo, 27: 148 (1913).—Schneider in Sargent, Pl. Wilson. 2: 471 (1916).  
*Betula Bhojpattra* f. *subcordata* Regel in Bull. Soc. Nat. Moscou, 38,2: 416 (1865).  
*Betula Ermani* var. *nipponica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 32: 622 (in Mém. Biol. 12: 923) (1888).  
*Betula alba* var. *communis* sensu Shirai in Bot. Mag. Tokyo, 8: 319, t. 6, fig. 30-32 (1894), non Regel (1865).  
*Betula Vulcani* Léveillé in Bull. Soc. Bot. France, 51: 423 (1904).  
*Betula Bhojpattra* var. *japonica* Shirai in Bot. Mag. Tokyo, 19: (165) (1905).  
*Betula Ermani* var. *subcordata* f. *nipponica* Koidzumi in Bot. Mag. Tokyo, 27: 149 (1913).  
*Betula Ermani* var. *japonica* Koidzumi, l. c. (1913).
- B. utilis** D. Don, Prodr. Fl. Nepal. 58 (1825).—Schneider in Sargent, Pl. Wilson. 2: 447 (1916).  
*Betula Bhojpattra* Lindley ex Wallich, Icon. Pl. As. Rar. 2: 7 (1831).
- B. utilis** var. *Prattii* Burkill in Jour. Linn. Soc. Lond. Bot. 26: 499 (1899).
- B. Jacquemontii** Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 189 (1841).—Schneider in Sargent, Pl. Wilson. 2: 473 (1916) "*Jacquemontii*".—Rehder, Man. Cult. Trees Shrubs, 136 (1927) "*Jacquemontiana*".  
*Betula Bhojpattra* β. *Jacquemontii* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 118, t. 6, fig. 19 (Monog. Betul. 60) (1861).  
*Betula utilis* var. *Jacquemontii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 981, t. 270, fig. 15 (1909).
- B. albo-sinensis** Burkill in Jour. Linn. Soc. Lond. Bot. 26: 497 (1899).  
*Betula Bhojpattra* var. *sinensis* Franchet in Jour. de Bot. 13: 207 (1899).  
*Betula utilis* var. *sinensis* (Franch.) Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 62 (1904).
- B. albo-sinensis** var. *septentrionalis* Schneider in Sargent, Pl. Wilson. 2: 458 (1916).
- B. Schmidtii** Regel in Bull. Soc. Nat. Moscou, 38,2: 412, t. 6, fig. 14-20 (1865).—Schneider in Sargent, Pl. Wilson. 2: 475 (1916).  
*Betula punctata* Léveillé in litt. ex Nakai, Fl. Sylv. Kor. 2: 34 (1915), pro syn.
- B. Medwediewi** Regel in Act. Hort. Petrop. 10: 375 (1887).—Kuzeneva in Komarov, Fl. S. S. S. R. 5: 274, t. 13, fig. 1 (1936) "*Medwedewii*".
- B. costata** Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 253 (Maximowicz, Prim. Fl. Amur.) (1859).—Nakai, Fl. Sylv. Kor. 2: 33, t. 19 (1915).—Schneider in Sargent, Pl. Wilson. 2: 476 (1916).  
*Betula Ermani* γ. *costata* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 123, t. 13, fig. 1-6 (Monog. Betul. 65) (1861).  
*Betula ulmifolia* β. *costata* Regel in Bull. Soc. Nat. Moscou, 38,2: 414 (1865).  
*Betula ulmifolia* sensu Dippel, Handb. Laubh. 2: 188 (1892), p. p.; non Siebold & Zuccarini (1845).
- B. grossa** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,2: 228 (Fl. Jap. Fam. Nat. 1: 104) (1845).—Schneider in Sargent, Pl. Wilson. 2: 477 (1916).  
*Betula carpinifolia* Siebold & Zuccarini, l. c. (1845).—H. Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 62 (1904).—Non Ehrhart (1791).  
*Betula ulmifolia* Siebold & Zuccarini in op. cit. 229 (p. 105) (1845).—Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 124, t. 6, fig. 20-25 (Monog. Betul. 66) (1861).—H. Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 62, fig. 18D-F (1904).  
*Betula lenta* β. *grossa* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 127, t. 6, fig. 27-28 (Monog. Betul. 69) (1861).  
*Betula lenta* γ. *carpinifolia* Regel, op. cit. 69 (p. 127) (1861).  
*Betula ulmifolia* var. *ε. sericea* Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 64 (1904).
- B. lenta** Linnaeus, Sp. Pl. 983 (1753).—Sargent, Silva N. Am. 9: 50, t. 448 (1896).  
*Betula carpinifolia* Ehrhart, Beitr. Naturk. 6: 99 (1791).—Michaux, Fl. Bor.-Am. 2: 181 (1803).  
*Betula lenta* a. *genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 126, t. 13, fig. 15-28 (Monog. Betul. 69) (1861).
- B. lenta** f. *laciniata* Rehder in Rhodora, 9: 111 (1907); Man. Cult. Trees Shrubs, 137 (1927) "var."
- B. lutea** Michaux f., Hist. Arb. For. Am. Sept. 2: 152, t. 5 (1812).—Sargent, Silva N. Am. 9: 53, t. 449 (1896).  
*Betula excelsa* sensu Pursh, Fl. Am. Sept. 2: 621 (1814), p. p.; non Aiton (1789), nec Willdenow (1796).  
*Betula lenta* var. *β. lutea* Regel in De Candolle, Prodr. 16,2: 179 (1868).
- B. lutea** var. *macrolepis* Fernald in Rhodora, 24: 170 (1922).

**Betula** (*continued*)

- B. lutea** var. *alleghaniensis* (Britt.), grad. nov.  
*Betula alleghaniensis* Britton in Bull. Torrey Bot. Club, **31**: 166 (1904).  
*Betula lutea alleghaniensis* (Britt.) Ashe in Bull. Charleston Mus. **14**: 11 (1918).
- B. globispica** Shirai in Bot. Mag. Tokyo, **8**: 318, fig. 1-6 (1894).
- B. Potaninii** Batalin in Act. Hort. Petrop. **13**: 101 (1893).  
*Betula Wilsonii* Bean in Kew Bull. **1914**: 30 (1914).
- B. Delavayi** Franchet in Jour. de Bot. **13**: 205 (1899).  
*Betula chinensis* var. *Delavayi* Schneider, Ill. Handb. Laubh. **2**: 884 (1912), p. p.
- B. Forrestii** (W. W. Sm.) Handel-Mazzetti, Symbol. Sin. **7**: 20 (1929).  
*Betula Delavayi* var. *Forrestii* W. W. Smith in Notes Bot. Gard. Edinb. **8**: 332 (1915).
- B. chinensis** Maximowicz in Bull. Soc. Nat. Moscou, **45**, **1**: 47 (1879).—Schneider in Sargent, Pl. Wilson. **2**: 479 (1916).  
*Betula exalata* Moore in Jour. Linn. Soc. Lond. Bot. **17**: 386, t. 16, fig. 8-10 (1879).  
*Betula chinensis* var. *angusticarpa* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 67 (1904).
- B. Raddeana** Trautvetter in Act. Hort. Petrop. **10**: 129 (1887).—Kuzeneva in Komarov, Fl. S. S. S. R. **5**: 280 (1936).
- B. nigra** Linnaeus, Sp. Pl. 982 (1753).—Sargent, Silva N. Am. **9**: 61, t. 452 (1896).  
*Betula lanulosa* Michaux, Fl. Bor.-Am. **2**: 181 (1803).  
*Betula fusca* Bosc ex Poiré in Duhamel, Traité Arb. Arbust. nouv. éd. [Nouv. Duhamel] **3**: 206, in obs. [1806], nom. subnud.  
*Betula rubra* Michaux f., Hist. Arb. For. Am. Sept. **2**: 142, t. 3 (1812).  
*Betula papyracea* 2. *fusca* (Bosc) Loudon, Arb. Brit. **3**: 1708 (1838).
- B. corylifolia** Regel & Maximowicz ex Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 417, t. 8, fig. 1-3 (1865).—Schneider in Sargent, Pl. Wilson. **2**: 476 (1916).
- Ser. 3. **EXCELSAE** (Koch), grad. nov.  
*Betula* sect. 1. *Excelsae* Koch, Syn. Fl. Germ. Helv. ed. 2, 760 (1843).  
*Betula* (Abth.) *Albae* Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 396 (1865).  
*Betula* (Abth.) *Dahuricae* Regel, l. c. (1865).  
*Betula* sect. *Eubetula* Reg. subsect. *Albae* Reg. ser. *Verrucosae* et ser. *Pubescentes* Rothmaler & Vasconcellos in Bol. Soc. Broter. ser. 2, **14**: 145 (1940).
- B. populifolia** Marshall, Arbust. Am. **19** (1785).—Sargent, Silva N. Am. **9**: 55, t. 450 (1896).  
*Betula excelsa canadensis* Wangenheim, Beytr. Deutsch. Forstwiss. Nordam. Holz. **86** (1787).  
*Betula acuminata* Ehrhart, Beitr. Naturk. **6**: 98 (1791).  
*Betula alba* var. *populifolia* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 187 (1841).—Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 399 (1865) "subsp."  
*Betula cuspidata* Schrader in herb. ex Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 77 (Monog. Betul. **19**) (1861), pro syn.

- B. populifolia** f. *laciniata* (Loud.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 80 (1904) "(f.)"  
*Betula populifolia* var. *laciniata* (Lodd.) Loudon, Arb. Brit. **3**: 1707 (1838).—Correll in Rhodora, **44**: 236, t. 708 (1942).  
*Betula laciniata* Loddiges, Cat. 1836 ex Loudon, l. c. (1838), pro syn.  
*Betula alba laciniata* C. de Vos in Nederl. Fl. Pomon. **217**, t. (1876), non Wahlenberg (1824).  
*Betula populifolia* f. *incisifolia* Fernald in Rhodora, **47**: 304 (1945).
- B. populifolia** f. *purpurea* [Ellw. & Barry] Schneider, Ill. Handb. Laubh. **1**: 112 (1904).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 80 (1904).  
*Betula populifolia purpurea* Ellwanger & Barry, Cat. **1892**: 53 (1892).—Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[1]**: 159 (1900) "var."
- B. populifolia** f. *pendula* [Loud.] Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 80 (1904) "(f.)"  
*Betula populifolia* var. *pendula* (Lodd.) Loudon, Arb. Brit. **3**: 1707 (1838).  
*Betula pendula* Loddiges, Cat. ex Loudon, l. c. (1838), pro syn.; non Roth (1788).
- B. pendula** Roth, Tentam. Fl. Germ. **1**: 405 (1788).—Schneider, Ill. Handb. Laubh. **1**: 112, fig. 61, 62a-q (1904).  
*Betula alba* Linnaeus, Sp. Pl. 982 (1753), p. p.—Nom. AMBIG. PROPOS.; cf. Suringar in Mitt. Deutsch. Dendr. Ges. **1929**(41): 38 [1930?] et Rehder in Jour. Arnold Arb. **19**: 283 (1938).  
*Betula alba* β. *pendula* Aiton, Hort. Kew **3**: 336 (1789).  
*Betula verrucosa* Ehrhart, Beitr. Naturk. **6**: 98 (1791).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 75 (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 391 (1910).  
*Betula aetnensis* Rafinesque in Specchio Sci. **1**: 17 (1814).  
*Betula alba macrocarpa* Wallroth, Schedul. Crit. Fl. Halens. **495** (1822).  
*Betula alba* var. *verrucosa* (Ehrh.) Wallroth, l. c. (1822).—Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 77, t. 4, fig. 30-32 (Monog. Betul. **19**) (1861).  
*Betula rhombifolia* Tausch in Flora, **21**, **2**: 751 (1838).  
*Betula alba* a. *vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 186 (1841).—Regel in De Candolle, Prodr. **16**, **2**: 162 (1868).  
*Betula gummiifera* Bertoloni, Fl. Ital. **10**: 229 (1854).  
*Betula alba* var. *typica* Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 249 (in Maximowicz, Prim. Fl. Amur.) (1859).  
*Betula alba* a. *vulgaris* lus. 2. *pendula* (Willd.) Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 76 (Monog. Betul. **18**) (1861).  
*Betula lobulata* Kanitz in Linnaea, **32**: 351 (1863).  
*Betula alba* subsp. *B. verrucosa* (Ehrh.) Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 397 (1865).  
*Betula alba* subsp. *verrucosa* a. *vulgaris* Regel in De Candolle, Prodr. **16**, **2**: 162 (1868).  
*Betula pendula* var. a. *typica* Schneider, Ill. Handb. Laubh. **1**: 112, fig. 62a-d (1904).  
*Betula verrucosa* a. *vulgaris* (Reg.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 75 (1904).  
*Betula verrucosa* 1. *vulgaris* a. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 393 (1910).
- B. pendula** f. *purpurea* [André] Schneider, Ill. Handb. Laubh. **1**: 112 (1904).—Rehder in Bailey, Stand. Cycl. Hort. **1**: 498 (1914) "var."

- Betula vulgaris purpurea* André in Ill. Hort. 19: 199 (1872).
- Betula alba* var. *foliis atropurpureis* Geert in Rev. Hort. Belg. 1: 14 (1875).—Burvenich in Rev. Hort. Belg. 4: 185, t. (1878).
- Betula alba* fol. *purpureis* Regel in Gartenfl. 25: 72 (1876).
- Betula alba* var. *atropurpurea* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 58 (1884).—Rehder in Bailey, Hort. Cycl. Am. Hort. [1]: 159 (1900) "(1) *pendula* var. *a.*"
- Betula verrucosa* i. *vulgaris* a. *typica* lus. *purpurea* (hort.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 393 (1910).
- B. pendula** f. *dalecarlica* (L.f.) Schneider, Ill. Handb. Laubh. 1: 112, fig. 62h-i (1904).
- Betula alba* β. *Dalecarlica* Linnaeus f., Suppl. 416 (1781).—Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 85, t. 5, fig. 40–49 (Monog. Betul. 27) (1861) "*θ.*"; in De Candolle, Prodr. 16,2: 163 (1868) "subsp. i. *verrucosa* a. *vulgaris* 6° d."
- Betula hybrida* Blom in Svenska Vetensk.-akad. Handl. (ser. 2), 7: 186, t. 6 (1786).
- Betula palmata* Borkhausen, Theor.-prakt. Handb. Forstbot. 1: 500 (1800).
- Betula laciniata* Wahlenberg, Fl. Suec. 1: 164 (1824).
- Betula verrucosa* var. *dalecarlica* (L.f.) L. M. Neuman, Sver. Fl. 590 (1901).—Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 76 (1904).
- B. pendula** f. *tristis* Schneider, Ill. Handb. Laubh. 1: 112 (1904).—Rehder in Bailey, Stand. Cycl. Hort. 1: 498 (1914) "var."
- Betula verrucosa* i. *vulgaris* a. *typica* lus. *tristis* (hort.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 393 (1910).
- B. pendula** f. *gracilis* (Rehd.), grad. nov.
- Betula verrucosa elegans laciniata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 54 (1903), nom.
- Betula alba laciniata gracilis pendula* hort. ex Schelle, l. c. (1903), pro syn.
- Betula pendula* var. *gracilis* Rehder in Bailey, Stand. Cycl. Hort. 1: 498 (1914).
- Betula verrucosa laciniata gracilis* Heydenreich in Gartenfl. 48: 148, fig. (1936).
- B. pendula** f. *Youngii* [T. Moore] Schneider, Ill. Handb. Laubh. 1: 112 (1904, June 1).—Rehder in Bailey, Stand. Cycl. Hort. 1: 498 (1914) "var."
- Betula alba pendula Youngii* T. Moore in Florist & Pomol. 1873: 60, t. (1873).
- Betula pendula* d. *elegans* Dippel, Handb. Laubh. 2: 167 (1892).
- Betula verrucosa elegans* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 54 (1903), nom.—(Dipp.) Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 76 (1904, June 17) "f."
- Betula alba elegantissima pendula* hort. ex Schelle, l. c. (1903), pro syn.
- Betula verrucosa* var. *pendula Youngii* Bean, Trees Shrubs Brit. Isl. 1: 264 (1914).
- B. pendula** f. *fastigiata* [Clemenceau], grad. nov.
- Betula alba fastigiata* Clemenceau in Rev. Hort. 1870–71: 580 (1871).—C. de Vos in Nederl. Fl. Pomon. 217, t. (1876).
- Betula pendula fastigiata* K. Koch, Dendr. 2,1: 657 (1872).—Rehder in Bailey, Stand. Cycl. Hort. 1: 498 (1914) "var."
- Betula pendula* c. *pyramidalis* Dippel, Handb. Laubh. 2: 167 (1892).—Schneider, Ill. Handb. Laubh. 1: 112 (1904) "var."
- Betula verrucosa* (f.) *fastigiata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 54 (1903).—(K. Koch) Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 75 (1904) "f."—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 393 (1910) "i. *vulgaris* a. *typica* lus. f."
- B. pendula** f. *viscosa* (Bean) Rehder in Jour. Arnold Arb. 1: 60 (1919); Man. Cult. Trees Shrubs, 139 (1927) "var."
- Betula dentata viscosa pyramidalis* Chenault & fills. Cat. 1912–13: 3 (1912).
- Betula verrucosa* var. *dentata viscosa* Bean, Trees Shrubs Brit. Isl. 1: 264 (1914).
- B. pendula** var. *oycoviensis* (Bess.) Dippel, Handb. Laubh. 2: 167 (1892) "*oykowiensis*".—Schneider, Ill. Handb. Laubh. 1: 112 (1904).
- Betula oycoviensis* Besser, Prim. Fl. Galic. 2: 289 (1809).—Trautvetter in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 287 (in Mém. Biol. 2: 569. 1858) (1857), pro syn.
- Betula alba* var. *microphylla* Wimmer, Fl. Schles. 327 (1841).
- Betula carpatica* β. *sudetica* Reichenbach, Icon. Fl. Germ. 12: 2, t. 624, fig. 1285 (1850).
- Betula alba* var. *oycoviensis* Regel in De Candolle, Prodr. 16,2: 164 (1868).
- Betula verrucosa* var. *microphylla* Fiek, Fl. Schles. 399 (1891).
- Betula oxycoviensis* hort. ex Dippel, Handb. Laubh. 2: 167 (1892), pro syn.
- Betula verrucosa* var. β. *oycoviensis* (Bess.) Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 77 (1904).
- B. Koehnei** (*B. pendula* × *papyrifera*) Schneider, Ill. Handb. Laubh. 1: 114, fig. 59d-d<sup>1</sup>, 62s-s<sup>1</sup> (1904).
- B. fennica** (*B. nana* × *pendula*) Dörfner, Herb. Norm. Cent. 44: 106, no. 5375 (1902).—Schneider, Ill. Handb. Laubh. 1: 108, fig. 58g-g<sup>1</sup>, 59l-n (1904).
- Betula nana* × *verrucosa* Saelan in Meddel. Soc. Faun. Fl. Fenn. 13: 257 (1886).—Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 94 (1904).
- B. aurata** [*B. pendula* × *pubescens*] Borkhausen, Forstbot. 1: 498 (1900).—Schneider, Ill. Handb. Laubh. 1: 114 (1904).
- Betula hybrida* Bechstein in Diana, 1: 80 (1797).—Schneider, op. cit. 804 (1906).—Non Blom (1786).
- Betula glutinosa* Wallroth, Schedul. Crit. Fl. Halens. 497 (1822).—Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 79 (Monog. Betul. 21) (1861), pro syn.
- ?*Betula ambigua* Hampe, Prodr. Fl. Hercyn. ? (1836).—Reichenbach, Fl. Sax. 120 (1842); Icon. Fl. Germ. 12: 2 (1850), pro syn.
- Betula Aschersoniana* Hayek, Fl. Steierm. 105 (1908).
- B. platyphylla** Sukatchev in Trav. Mus. Bot. Acad. Sci. St. Pétersb. 8: 220, t. 3 (1911).—Kuzeneva in Komarov, Fl. S. S. R. 5: 292, t. 14, fig. 3 (1936).—Hara in Jour. Jap. Bot. 13: 384 (1937).—Rehder in Jour. Arnold Arb. 20: 410 (1939).
- Betula alba* subsp. *B. mandshurica* Regel in Bull. Soc. Nat. Moscou, 38,2: 399, t. 7, fig. 15 (1865).
- Betula latifolia* sensu Komarov in Act. Hort. Petrop. 22: 38 (Fl. Mansh. II.) (1903), non Tausch (1838).
- Betula mandshurica* (Reg.) Nakai in Bot. Mag. Tokyo, 29: 42 (1915).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 130 (1940).

**Betula** (continued)

- B. platyphylla** var. **kamtschatica** (Reg.) Hara in Jour. Jap. Bot. **13**: 385 (1937).  
*Betula alba* subsp. 4. *B. latifolia* β. *kamtschatica* Regel in Bull. Soc. Nat. Moscou, **38,2**: 400, t. 7, fig. 16–20 (1865); in De Candolle, Prodr. **16,2**: 165 (1868) “subsp. rv. *latifolia* β. k.”  
*Betula pendula* var. *japonica* f. *typica* sensu Schneider, Ill. Hand. Laubh. **1**: 113, fig. 62q<sup>2</sup> (1904), non var. *japonica* Rehd. (1900).  
*Betula alba* subsp. 1. *B. verrucosa* var. *resinifera* Regel in Bull. Soc. Nat. Moscou, **38,2**: 398 (1865); in De Candolle, Prodr. **16,2**: 164 (1868) “subsp. i. *verrucosa* δ. r.”, p. p.  
*Betula japonica* var. δ *resinifera* (Reg.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 79 (1904).  
*Betula japonica* γ. *camtschatica* (Reg.) Winkler, l. c. (1904).—Schneider in Sargent, Pl. Wilson. **2**: 486 (1916) “*kamtschatica*.”  
*Betula japonica* var. *sachalinensis* Koidzumi in Bot. Mag. Tokyo, **27**: 563 (1913).—Matsumura, Icon. Pl. Koisi-kav. **2**: 39, t. 134 (1914).  
*Betula Tauschii* var. *camtschatica* Koidzumi, Fl. Symb. Or.-As. **35** (1930).  
*Betula mandshurica* var. *kamtschatica* (Reg.) Rehder in Jour. Arnold Arb. **19**: 73 (1938).
- B. platyphylla** var. **szechuanica** (Schneid.) Rehder in Jour. Arnold Arb. **20**: 411 (1939).  
*Betula japonica* var. *szechuanica* Schneider in Sargent, Pl. Wilson. **3**: 454 (1917).  
*Betula mandshurica* var. *szechuanica* (Schneid.) Rehder in Jour. Arnold Arb. **19**: 73 (1938).
- B. platyphylla** var. **japonica** (Miq.) Hara in Jour. Jap. Bot. **13**: 384 (1937).  
*Betula japonica* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 25 (Syn. Pl. Oec. Jap.) (1830), nom.—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 78 (1904), quoad var. β.—Kuzeneva in Komarov, Fl. S. S. R. **5**: 293 (1936).—Non Thunberg (1799).  
*Betula alba* var. *japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 136 (Prol. Fl. Jap. 68) (1866).  
*Betula alba* subsp. *B. latifolia* α. *Tauschii* sensu Regel in Bull. Soc. Nat. Moscou, **38,2**: 399, t. 7, fig. 11–14 (1865); in De Candolle, Prodr. **16,2**: 165 (1868) “subsp. *latifolia*”; non *B. latifolia* Tausch (1838).  
*Betula alba* var. *Tauschii* (Reg.) Shirai in Bot. Mag. Tokyo, **8**: 319 (1894).  
*Betula pendula* var. *japonica* Rehder in Bailey, Cycl. Am. Hort. **[1]**: 159 (1900).  
*Betula japonica* var. β. *Tauschii* (Reg.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 78 (1904).  
*Betula japonica* var. ε. *pluricostata* Winkler in op. cit. **79** (1904).  
*Betula verrucosa* var. *japonica* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **4**: 967 (1909).  
*Betula pendula* var. *Tauschii* Rehder in Bailey, Stand. Cycl. Hort. **1**: 498 (1914).  
*Betula Tauschii* (Reg.) Koidzumi, Fl. Symb. Or.-Asia, **35** (1930).  
*Betula mandshurica* var. *japonica* (Miq.) Rehder in Jour. Arnold Arb. **19**: 72 (1938).
- B. caerulea-grandis** Blanchard in Betula, **1**: [1] (1904).—Fernald in Rhodora, **24**: 171 (1922).  
*Betula caerulea* var. *grandis* Blanchard, Betula, **1** (no. 2): [3] (1904).

*Betula caerulea* var. *Blanchardi* Sargent, Man. Trees N. Am. **202**, fig. 168A (1905).

- B. caerulea** (*B. caerulea-grandis* × *populifolia*) Blanchard, Betula **1**: [1] (1904).—Sargent, op. cit. **201**, fig. 168 (1905) “*caerulea*”.
- B. occidentalis** Hooker, Fl. Bor.-Am. **2**: 155 (1839), p. p. typ.—Sargent, Silva N. Am. **9**: 65, t. 453 (1895), p. p.—Fernald in Rhodora, **47**: 314 (1945).  
*Betula rhombifolia* Nuttall, N. Am. Sylv. **1**: 24, t. 8 (1842), non Tausch (1838).  
*Betula fontinalis* Sargent in Bot. Gaz. **31**: 239 (1901); Man. Trees N. Am. **207**, fig. 174 (1905).  
*Betula microphylla fontinalis* M. E. Jones, Contrib. West. Bot. **12**: 77 (1908).  
*Betula microphylla* sensu Raup in Jour. Arnold Arb. **17**: 242 (1936), non Bunge (1835).  
*Betula papyrifera* subsp. *occidentalis* (Hooker) Hultén, Fl. Alaska Yukon, **4**: 582 (Physiogr. Sällsk. Handl. n. ser., **55,1**) (1944), exclud. specim. Scouler.
- B. occidentalis** var. **fecunda** Fernald in Rhodora, **47**: 317 (1945).  
*Betula Piperi* Britton in Bull. Torrey Bot. Club, **31**: 165 (1904), p. p.  
*Betula fontinalis* var. *Piperi* Sargent in Jour. Arnold Arb. **1**: 65 (1919), p. p.
- B. minor** (Tuckerm.) Fernald in Rhodora, **47**: 306, t. 963, fig. 1–7 (1945).  
*Betula papyracea* var. *minor* Tuckerman in Am. Jour. Sci. **14**: 31 (1843).  
*Betula alba* subsp. IV. *papyrifera* γ. *humilis* Regel in De Candolle, Prodr. **16,2**: 166 (1868), p. p.  
*Betula dahurica* β. *americana* Regel in op. cit. **175** (1868).  
*Betula odorata* var. *tortuosa* Regel sensu Fernald in Rhodora, **3**: 173 (1901), non (Ledeb.) Lange (1883).  
*Betula alba* var. *minor* Fernald in Am. Jour. Sci. ser. **4**, **14**: 179 (1902).
- B. papyrifera** Marshall, Arbust. Am. **19** (1785).—Sargent, Silva N. Am. **9**: 57, t. 451 (1896).  
*Betula lanceolata* Lod. ex Ludwig, Neu. Wilde Baumz. **8** (1783), nom.—Loudon, Arb. Brit. **3**: 1708 (1838), pro syn. sub *B. papyracea*.  
*Betula papyracea* Aiton, Hort. Kew. **3**: 337 (1789).—Loudon, Arb. Brit. **3**: 1708, fig. 1561 (1838).  
*Betula excelsa* sensu Willdenow, Berlin. Baumz. **41**, t. 2, fig. 1 (1796); Sp. Pl. **4,1**: 463 (1805); non Aiton (1789).  
*Betula grandis* Schrader, Ind. Sem. Hort. Bot. Goetting. **1833**: 2 (1833).  
*Betula latifolia* Tausch in Flora, **1838**: 751 (1838).  
*Betula alba* var. *papyrifera* (Marsh.) Spach in Ann. Sci. Nat. Bot. sér. **2**, **15**: 188 (1841).  
*Betula alba* subsp. *B. papyrifera* α. *communis* Regel in Bull. Soc. Nat. Moscou, **38,2**: 401 (1865).  
*Betula papyrifera* var. α. *communis* (Reg.) f. *typica* Schneider, Ill. Handb. Laubh. **1**: 115 (1904).  
*Betula papyrifera* var. α. *communis* f. *grandis* (Schrader) Schneider, l. c. (1904).
- B. papyrifera** var. **commutata** (Regel) Fernald in Rhodora, **47**: 312, t. 965 (1945).  
*Betula occidentalis* Hooker, Fl. Bor.-Am. **2**: 155 [1839], p. p. quoad specim. Scouler.  
*Betula occidentalis* sensu Lyall in Jour. Linn. Soc. Lond. Bot. **7**: 134 (1864).—Sargent in Bot. Gaz. **31**: 237 (1901).—Non Hooker [1839], nec Nuttall (1853), nec S. Watson, Bot. Calif. **2**: 79 (1880).



- Betula alba* subsp. *occidentalis*  $\beta$ . *commutata* Regel in Bull. Soc. Nat. Moscou, **38**, 2: 401, t. 7, fig. 6–10 (1865); in De Candolle, Prodr. **16**, 2: 166 (1868); p. p. typ.
- Betula papyracea* var. *occidentalis* Dippel, Handb. Laubh. **2**: 177 (1892).
- Betula Lyalliana* Koehne in Mitt. Deutsch. Dendr. Ges. **1899** (8): 53 (1899), nom.
- Betula alba* f. *occidentalis* Fernald in Am. Jour. Sci. ser. 4, **14**: 173, (1902).
- Betula papyracea* (f.) *Lyalliana* Koehne ex Schelle in Beissner et al., Handb. Laubh.-Ben. **55** (1903).
- Betula papyrifera* var. *Lyalliana* (Koehne) Schneider, Ill. Handb. Laubh. **1**: 115 (1904).
- Betula papyrifera* var. *occidentalis* Sargent in Jour. Arnold Arb. **1**: 63 (1919).—Fernald ex H. F. Lewis in Canad. Field-Nat. **46**: 12 (1932) "f."
- Betula papyrifera* subsp. *occidentalis* (Hooker) Hultén, Fl. Alaska Yukon, **4**: 582 (Fysiogr. Sällsk. Handl. n. ser., **55**, 1) (1944), p. p. quoad specim. Scouler.
- B. papyrifera** var. *pensilis* Fernald in Rhodora, **47**: 318, t. 967 (1945).
- B. papyrifera** var. *kenaica* (Evans) Henry in Elwes & Henry, Trees Gt. Brit. Irel. **4**: 984 (1909).
- Betula kenaica* Evans in Bot. Gaz. **27**: 481 (1899).—Hultén, Fl. Alaska Yukon, **4**: 573 (Fysiogr. Sällsk. Handl. n. ser., **55**, 1) (1944).
- B. papyrifera** var. *subcordata* (Rydb.) Sargent in Jour. Arnold Arb. **1**: 63 (1919).
- Betula subcordata* Rydberg in Butler in Bull. Torrey Bot. Club, **36**: 496, fig. 15 (1909).
- B. papyrifera** var. *cordifolia* (Reg.) Fernald in Rhodora, **3**: 173 (1901).—Sargent, Man. Trees N. Am. **204**, fig. 170 (1905).
- Betula cordifolia* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, 2: 86, t. 12, fig. 29–36 (Monog. Betul. **28**) (1861).
- Betula alba* subsp. *B. papyrifera*  $\beta$ . *cordifolia* Regel in Bull. Soc. Nat. Moscou, **38**, 2: 401 (1865); in De Candolle, Prodr. **16**, 2: 166 (1868) "subsp. *papyrifera*".—Fernald in Am. Jour. Sci. **164**: 177 (1902) "*B. a.* var. *c.*".
- Betula papyrifera* var. *communis* (Reg.) f. *cordifolia* (Reg.) Schneider, Ill. Handb. Laubh. **1**: 115, fig. 60e (1904).
- B. papyrifera** var. *humilis* (Regel) Fernald & Raup in Rhodora, **47**: 321, t. 971, 972 (1945).
- Betula alba* subsp. *papyrifera* var.  $\gamma$ . *humilis* Regel in De Candolle, Prodr. **16**, 2: 166 (1868).
- Betula alascana* Sargent in Bot. Gaz. **31**: 236 (1901), non *B. alaskana* Lesquereux (1883), fossil.
- Betula resinifera* Britton in Britton & Rydberg in Bull. New York Bot. Gard. **2**: 165 (1901), vix *B. alba* var. *resinifera* Regel (1865).
- Betula nealaskana* Sargent in Jour. Arnold Arb. **3**: 206 (1922).
- Betula papyrifera* var. *nealaskana* (Sarg.) Raup in Contrib. Arnold Arb. **6**: 152 (1934).
- B. borealis** Spach in Ann. Sci. Nat. sér. 2, **15**: 196 (1841).—Fernald in Rhodora, **47**: 323, t. 973 (1945).
- Betula pumila*  $\gamma$ . *borealis* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**: 113 t. 13, fig. 38, 39 (Monog. Betul. **55**) (1861); in De Candolle, Prodr. **16**, 2: 173 (1868).
- Betula alba* var. *carpatica* sensu Fernald in Am. Jour. Sci. ser. 4, **14**: 179, 190 (1902), p. p.; non *B. c.* Waldst. & Kit. ex Willdenow (1805).
- Betula microphylla* sensu Eames in Rhodora, **11**: 93 (1909), non Bunge (1835).
- B. pubescens** Ehrhart, Beitr. Naturk. **6**: 98 (1793).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 398 (1910).
- Betula alba* Linnaeus, Sp. Pl. 982 (1753) p. p.—Nom. AMBIG. PROPOS.; cf. Suringar in Mitt. Deutsch. Dendr. Ges. **1929** (41): 38 [1930?] et Rehder in Jour. Arnold Arb. **19**: 283 (1938).
- Betula alba* a. *vulgaris* Aiton, Hort. Kew. **3**: 336 (1789).
- Betula major* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) **2**: 400 (1792).
- Betula odorata* Bechstein in Diana, **1**: 74 (1797).
- Betula tomentosa* Reitter & Abel, Beschreib. Abb. Deutschl. Selt. Holzart. **1**: 17, t. 15 (1803) "Reiter".
- Betula alba*  $\delta$ . *pubescens* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 187 (1841).
- Betula pubescens* var. *vestita* Grenier & Godron, Fl. France, **3**: 148 (1855).
- Betula alba*  $\beta$ . *ovata* Neilreich, Fl. Nied.-Oestr. **235** (1859).
- Betula alba*  $\delta$ . *pubescens* lus. a. *macrophylla* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, 2: 82, t. 5, fig. 18–27 (Monog. Betul. **24**) (1861).
- Betula alba* subsp. *B. pubescens* (Ehrh.) Regel in Bull. Soc. Nat. Moscou, **38**, 2: 402 (1865).
- Betula alba* var. *vulgaris* subvar. *typica* Schneider, Ill. Handb. Laubh. **1**: 117 (1904).
- Betula pubescens* var. a. *typica* Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 81 (1904).
- B. pubescens** f. *urticifolia* [Loud.] Schelle in Beissner et al., Handb. Laubh.-Ben. **52** (1903) "(f.)"
- Betula pinnata hybrida* Lundmark in Svenska Vetensk.-akad. Handl. [ser. 2] **11**: 130 (1790).
- Betula alba* var. *urticifolia* Loudon, Arb. Brit. **3**: 1692 (1838).—Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 187 (1841).—Schneider, Ill. Handb. Laubh. **1**: 117 (1904) "var. *vulgaris* subvar. *u.*".
- Betula urticifolia* Loddiges, Cat. 1836 ex Loudon, l. c. (1838), pro syn.
- Betula urticifolia* (Spach) Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, 2: 115, t. 10, fig. 41–50 (Monog. Betul. **57**) (1861).
- Betula virgultosa* Fries, Herb. norm. ex Schneider, l. c. (1904), pro syn.
- B. intermedia** [*B. nana*  $\times$  *pubescens*] [Hartman] Thomas ex Gaudin, Fl. Helv. **6**: 176 (1830).
- Betula nana* var. *intermedia* Hartman in Svenska Vetensk.-akad. Handl. **1818**: 148 (1818).
- Betula alba*  $\delta$ . *intermedia* Wahlenberg, Fl. Suec. **624** (1824).
- Betula intermedia* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 108, fig. 58e–e<sup>8</sup> (1904) "*nana*  $\times$  *alba*".
- Betula pubescens*  $\times$  *nana*: f. *intermedia* (Thomas) Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 93 (1904).
- B. intermedia** var. *alpestris* (Fries) Winkler ex Schneider, Ill. Handb. Laubh. **1**: 108, fig. 58e<sup>4</sup>–e<sup>5</sup> (June 1, 1904).
- Betula alpestris* Fries, Summ. Veg. Scand. **1**: 212 (1846).
- Betula nana*  $\delta$ . *alpestris* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, 2: 103, t. 9, fig. 26–36 (Monog. Betul. **45**) (1861).
- Betula pubescens*  $\times$  *nana*: f. *alpestris* (Fries) Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 93 (June 17, 1904).
- B. turkestanica** Litvinoff in Trav. Mus. Bot. Acad. Sci. St. Pétersb. **12**: 90, t. 12, fig. 5 (1914).
- B. microphylla** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 506 (1835).—Litvinoff in op. cit. **97**, t. 12, fig. 12 (1914).

**Betula microphylla** (continued)

- Betula fruticosa*  $\beta$ . *cuneifolia* Regel in Nouv. Mém. Soc. Nat. Moscou. **13,2**: 93, t. 7, fig. 16–23 (Monog. Betul. 35) (1861).
- B. coriacea** Gunnarson, Monog. Skand. Betul. 58, t. 1, fig. 3, t. 4, fig. 3–4 (1925), non Pampanini (1915).
- B. concinna** Gunnarson, op. cit. 60, t. 1, fig. 2, t. 4, fig. 2, t. 28, 30 (1925).
- B. davurica** Pallas, Fl. Ross. **1,1**: 60, t. 39, fig. A (1784). — Schneider in Sargent, Pl. Wilson. **2**: 483 (1916).
- Betula dioica* Pallas, Reise Prov. Russ. Reich. **3,1**: 321, [224, 421], nom.; **3,2**: 758, t. kk, fig. 4a–b “*B. fruticosa* [var.]” (1776).
- Betula Maximowiczii* Ruprecht in Bull. Acad. Sci. St. Pétersb. **15**: 139 (in Mém. Biol. **2**: 435. 1857) (1856).
- Betula Maackii* Ruprecht in op. cit. 380 (564) (1857).
- Betula dahurica* var. *Maximowicziana* Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 250 (Maximowicz, Prim. Fl. Amur.) (1859).
- Betula dahurica* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 113, t. 10, fig. 19–40, t. 8, fig. 36–39 (Monog. Betul. 55) (1861).
- ?*Betula Rosae* Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 135 (1904).
- Betula wutaica* Mayr, Fremdl. Wald- & Parkbäume, 450, fig. 169 (1906).
- Ser. 4. HUMILES (Koch), grad. nov.
- Betula* sect. *Humiles* Koch, Syn. Fl. Germ. Helv. ed. 2, **2**: 761 (1844). — Prantl in Nat. Pflanzenfam. III. **1**: 45 (1887).
- Chamaebetula* Opiz in Lotos, **5**: 258 (1855).
- Apterocaryon* Opiz, l. c. (1855).
- Betula* (sect.) *Fruticosae* Regel in Bull. Soc. Nat. Moscou, **38,2**: 396 (1865).
- Betula* subsect. *Nanae* Regel in De Candolle, Prodr. **16,2**: 162 (1868).
- B. humilis** Schrank, Baier. Fl. **1**: 420 (1789), exclud. syn. Gmelin. — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 404 (1911). — Schneider in Sargent, Pl. Wilson. **2**: 482 (1916).
- Betula quebeckensis* Burgsdorf in Schrift. Ges. Naturf. Fr. Berlin, **5**: 196 (1784).
- Betula sibirica* Watson, Dendr. Brit. **2**: t. 154A. (1825).
- Betula daurica* Watson, l. c. t. 154 B. (1825); non *B. davurica* Pallas (1776).
- Betula myrsinoides* Tausch in Flora, **11**: 753 (1838).
- Betula Sokolowii* Jacq. ex Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 193 (1841), pro syn.
- Betula turfosa* Weigel ex Spach, l. c. (1841), pro syn.
- Betula fallax* Ehrh. ex Spach, l. c. (1841), pro syn.
- Betula oycowiensis* sensu Reichenbach, Icon. Fl. Germ. **12**: 1, fig. 1281 (1850), non Besser (1809).
- Chamaebetula humilis* Opiz in Lotos Zeitschr. Naturw. **5**: 259 (1855).
- Betula humilis* var. *a. genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 106, t. 9, fig. 44–55 (Monog. Betul. 48) (1861).
- Betula humilis*  $\gamma$ . *commutata* Regel in op. cit. 108 (p. 50) (1861).
- Betula humilis* var. *vulgaris* Perfilief in Jour. Bot. U. R. S. S. **20**: 639, fig. 2 (p. 638) (1935).
- B. fruticosa** Pallas, Reise Prov. Russ. Reich. **3,2**: 758, t. kk, fig. 1–3 (1776); Fl. Ross. **1,1**: 62, t. 40A–C (1784) “*B. fruticans*” in tab. — Schneider in Sargent, Pl. Wilson. **2**: 482 (1916).
- Betula Gmelini* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 607 (1835).
- Betula palustris* Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 376 (in Mém. Biol. **2**: 558. 1858) (1857); non Salisbury (1796).
- Betula palustris* var. Ruprecht in op. cit. 377 (559. 1858) (1857).
- Betula ovalifolia* Ruprecht in op. cit. 378 (560. 1858) (1857).
- Betula reticulata* Ruprecht in op. cit. 378 (561. 1858) (1857).
- Betula fruticosa* var. *Ruprechtiana* Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 254 (Maximowicz, Prim. Fl. Amur.) (1859).
- Betula humilis*  $\epsilon$ . *Ruprechtii* (Trautv.) Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 109, t. 8, fig. 40–47 (Monog. Betul. 51) (1861).
- B. Middendorffii** Trautvetter & Meyer in Middendorff, Reise Sibir. **1,2**, Bot. Abt. **2**: 84, t. 21 (Fl. Ochot.) (1856). — Schneider in Sargent, Pl. W. Wilson. **2**: 481 (1916).
- Betula rotundifolia* Regel & Tiling in Nouv. Mém. Soc. Nat. Moscou, **11**: 118 (Fl. Ajan.) (1856), non Spach (1841).
- Betula Middendorffii*  $\alpha$ . *communis* Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 255 (in Maximowicz, Prim. Fl. Amur.) (1859).
- B. pumila** Linnaeus, Mant. Pl. **1**: 124 (1767). — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 72, fig. 20G–K (1904), exclud. formis et var. nonnull.
- ?*Betula excelsa* Aiton, Hort. Kew. **3**: 337 (1789), non Willdenow (1796) et auct. poster.
- Betula borealis* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 196 (1841).
- Chamaebetula pumila* Opiz in Lotos Zeitschr. Naturw. **5**: 259 (1855).
- Betula pumila*  $\gamma$ . *borealis* (Spach) Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 113, t. 13, fig. 38–39 (Monog. Betul. 55) (1861).
- Betula pumila* var. *a. typica* Regel in Bull. Soc. Nat. Moscou, **38,2**: 410 (1865).
- B. Jackii** (*B. pumila*  $\times$  *lenta*) Schneider, Ill. Handb. Laubb. **1**: 102, fig. 59a–a<sup>1</sup> (1904).
- Betula lenta*  $\times$  *pumila* J. G. Jack in Gard. & For. **8**: 243, fig. 1–4 (1895).
- B. Borggreveana** (*B. pumila*  $\times$  *papyrifera*) Zabel ex Schelle in Beissner et al., Handb. Laubb.-Ben. **55** (1903), nom. subnud.; ex Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 94 (1904).
- Betula papyracea*  $\times$  *pumila* Zabel in Mitt. Deutsch. Dendr. Ges. **1895**(4): 39 (1895), nom.
- Betula excelsa* sensu Schneider in Ill. Handb. Laubb. **1**: 108, fig. 59r–r<sup>1</sup>, 64q–s (1904), non Aiton (1789), nec Willdenow (1796).
- Betula excelsa* var. *borggreveana* Schneider in Ill. Handb. Laubb. **1**: 109, fig. 59r<sup>2</sup>–r<sup>3</sup> (1904).
- B. glandulifera** (Reg.) Butler in Bull. Torrey Bot. Club, **36**: 424, fig. 2 (1909).
- Betula pumila*  $\gamma$ . *glandulifera* Regel in Bull. Soc. Nat. Moscou, **38,2**: 410 (1865). — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 72 (1904).
- B. Purpusii** [*B. glandulifera*  $\times$  *lutea*] Schneider, Ill. Handb. Laubb. **1**: 102 (1904) “*B. lutea*  $\times$  *pumila*”.
- Betula Purpusii* var. *typica* Schneider, l. c. (1904).

- Betula Purpusii* var. *luteoides* Schneider, l. c., fig. 58a-a' (1904).
- B. Sandbergii** (*B. glandulifera* × *papyrifera*) Britton in Bull. Torrey Bot. Club, **31**: 166 (1904). — Rosendahl in Rhodora, **30**: 125, t. 170 (1928).
- B. Hallii** Howell, Fl. N. W. Am. **1**: 614 (1903).  
*Betula pumila* var. *fastigiata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**1**]: 160 (1900), nom. subnud.; in Bailey, Stand. Cycl. Hort. **1**: 499 (1914).
- B. glandulosa** Michaux, Fl. Bor.-Am. **2**: 180 (1803). — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 73 (1904), pl. sibir. exclud. [= *B. gl.* var. *sibirica* [Ledeb.] Schneid.]. — Hultén, Fl. Alaska Yukon, **4**: 573 (Fysiogr. Sällsk. Handl. n. ser., **55**, 1) (1944).  
*Betula Littelliana* Tuckerman in Am. Jour. Sci. **45**: 31 (1843).  
*Chamaebetula Hookeri* Opiz in Lotos Zeitschr. Naturwiss. **5**: 259 (1855).  
*Betula nana* γ. *intermedia* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 102, t. 9, fig. 6, 8, 16, 17, 19–26a (Monog. Betul. 44) (1861).
- B. nana** Linnaeus, Sp. Pl. 983 (1753). — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 69, fig. 20D–F (1904). — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 406 (1911).  
*Alnus nana* [Clairville], Man. Herb. Suisse, 280 (1811).  
*Betula nana* a. *europaea* Ledebour, Fl. Ross. **3**: 653 (1850).  
*Chamaebetula nana* Opiz in Lotos Zeitschr. Naturwiss. **5**: 259 (1855).  
*Betula nana* a. *genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 101 t. 9, fig. 1–8, 13 (Monog. Betul. 43) (1861).
- B. Michauxii** Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 195 (1841), quoad specim. ex ins. Terrae-novae; non *B. nana* Michx. — Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 407 (1865) exclud. syn. *B. nana* Michx. — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 70, fig. 20A–C (1904).  
*Apterothyrium Michauxii* Opiz in Lotos Zeitschr. Naturwiss. **5**: 259 (1855).  
*Betula nana* var. *Michauxii* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 103 (Monog. Betul. 45) (1861).  
*Betula terrae-novae* Fernald in Rhodora, **47**: 326, t. 975, fig. 1–4 (1945).
- ALNUS** B. Ehrhart, Oecon. Pflanzenhist. **2**: 211 (1753). — Miller, Gard. Dict. abridg. ed. **1** (1754); Gard. Dict. ed. 7 (1759). — Gärtner, Fruct. Sem. **2**: 54 (1791). — Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 131–174, t. 14–17 (Monog. Betul. 73–116) (1861); in De Candolle, Prodr. **16**, **2**: 180–189 (1868). — Callier in Mitt. Deutsch. Dendr. Ges. **1918** (27): 39–185, t. 9–24 (1918).  
*Betula* Linnaeus, Sp. Pl. 982 (1753), p. p.  
*Betula-Alnus* Weston, Bot. Univ. **1**: (22), 323 (1770). — Marshall, Arbust. Am. 19 (1785).  
LECTOTYPUS: *Betula glutinosa* L. = *Alnus glutinosa* (L.) Gaertn.
- Subgen. I. **ALNASTER** (Spach) Endlicher, Gen. Pl. Suppl. **2**: 28 (1842); Suppl. **4**, **2**: 20 (1847). — Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 134 (Monog. Betul. 76) (1861) "sect.", exclud. sp. nonnull.; in Bull. Soc. Nat. Moscou, **38**, **2**: 425 (1865).  
*Alnus* sect. *Alnobetula* Koch, Syn. Fl. Germ. Helv. **2**: 633 (1837), nom.; ed. 2, **2**: 762 (1843). — Petermann, Deutschl. Fl. 516 (1849) "subgen. *Almbetula*". — Callier in Schneider, Ill. Handb. Laubh. **1**: 120 (1904), "subgen." — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 102 (1904).  
*Alnaster* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 200 (1841).  
*Alnobetula* Schur in Verh. Siebenbürg. Ver. Naturwiss. **4**: 68 (1853).  
*Semidopsis* Zumaglini, Fl. Pedem. **1**: 249 (1849).  
*Duschekia* Opiz, Seznam Rostl. Květ. České, 38 (1852).
- A. firma** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**, **3**: 230 (Fl. Jap. Fam. Nat. **2**: 106) (1846). — Schneider in Sargent, Pl. Wilson. **2**: 506 (1916).  
*Alnus firma* a. *typica* Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 423 (1865).  
*Alnus Sieboldiana* Matsumura in Jour. Coll. Sci. Tokyo, **16**, **5**: 3, t. 1 (1902).  
*Alnus firma* var. a. *Sieboldiana* (Matsum.) Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 104, fig. 24D–C (1904).
- A. firma** var. *hirtella* Franchet & Savatier, Enum. Pl. Jap. **1**: 457 (1875), nom.; **2**: 502 [1878?]; "β." — Schneider in Sargent, Pl. Wilson. **2**: 506 (1916) "subsp." ?  
*Betula Alnus* Thunberg, Fl. Jap. 76 (1784), non Linnaeus (1753).  
*Betula harinoki* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 25 (Syn. Pl. Oecon. Jap.) (1830), nom.  
*Alnus Yasha* Matsumura in Jour. Coll. Sci. Tokyo, **16**, **5**: 4, t. 2 (1902).  
*Alnus firma* var. *Yasha* Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 104 (1904).  
*Alnus Yasha* var. *typica* Callier in Repert. Sp. Nov. Reg. Veg. **10**: 227 (1911).  
*Alnus hirtella* Koidzumi in Bot. Mag. Tokyo, **27**: 144 (1913).
- A. pendula** Matsumura in Jour. Coll. Sci. Tokyo, **16**, **5**: 6, t. 3 (1902).  
*Alnus firma* var. *multinervis* Regel in Bull. Soc. Nat. Moscou, **38**, **2**: 423 (1865). — Franchet & Savatier, Enum. Pl. Jap. **1**: 457 (1875) "*multinervis*".  
*Alnus multinervis* Callier in Schneider, Ill. Handb. Laubh. **1**: 123, fig. 660, 67d–d<sup>2</sup> (1904).  
*Alnus multinervis* var. *typica* Callier, l. c. (1904).
- A. viridis** [Chaix] De Candolle in Lamarck & De Candolle, Fl. Franç. **3**: 304 (1805).  
*Alnus alpina* Villars, Hist. Pl. Dauph. **1**: 295 (1786), nom. subnud. — Borkhausen, Theor.-prakt. Handb. Forstbot. **1**: 477 (1800).  
*Betula viridis* Chaix in Villars, Hist. Pl. Dauph. **1**: 374 (1786). — Villars, op. cit. **3**: 789 (1789).  
*Betula alnobetula* Ehrhart, Beitr. Naturk. **2**: 72 (1788).  
*Betula ovata* Schrank, Baier. Fl. **1**: 419 (1789).  
*Alnus ovata* Loddiges, Bot. Cab. **12**: t. 1141 (1826).  
*Alnaster viridis* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 201 (1841).  
*Semidopsis viridis* Zumaglini, Fl. Pedem. **1**: 249 (1849).  
*Alnus alnobetula* Hartig, Vollst. Naturg. Forstl. Culturpfl. **372** (1851), pro syn. — K. Koch, Dendr. **2**, **1**: 625 (1872).  
*Duschekia viridis* Opiz, Seznam Rostl. Květ. České, 38 (1852). — B. D. Jackson in Index Kew. **1**: 804 [1893], sphalm. "*D. ovata*", pro syn. — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 105 (1904), sphalm. "*D. ovata*", pro syn.  
*Alnobetula viridis* Schur in Verh. Siebenbürg. Ver. Naturw. **4**: 68 (1853).

***Alnus viridis* (continued)**

- Alnaster Alnobetula* (Ehrh.) Schweinfurth ex Ascherson, Fl. Prov. Brandenb. 622 (1864).
- Alnus viridis* a. *genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 135 (Monog. Betul. 77) (1861).
- Alnus viridis* var. *typica* Beck, Fl. Nieder-Oester. 262 (1890).
- Alnus Alnobetula* var. *typica* (Beck) Callier in Schneider, Ill. Handb. Laubh. 1: 120 (1904).
- Alnus alnobetula* var. *genuina* (Reg.) Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 42 (1904).
- A. viridis** f. *laciniata* (Callier) Callier in Hegi, Ill. Fl. Mittel-Eur. 3: 88 (1910); in Mitt. Deutsch. Dendr. Ges. 1918(27): 47, t. 18, fig. 2 (1918) "*A. v.* var. *typica* f. l."
- Alnus alnobetula* var. *typica* f. *laciniata* Callier in Schneider, Ill. Handb. Laubh. 1: 121, fig. 66f (1904).
- Alnus viridis* var. *laciniata* Haussknecht in sched. ex Callier, l. c. (1904), pro syn.
- Alnus viridis* I. *typica* lus. *laciniata* Ascherson & Graebner, Syn. Mittelur. Fl. 4: 415 (1911).
- A. crispa** (Ait.) Pursh, Fl. Am. Sept. 2: 623 (1814).
- Betula crispa* Aiton, Hort. Kew. 3: 339 (1789).
- Betula Alnus crispa* Michaux, Fl. Bor.-Am. 2: 181 (1803).
- Alnus undulata* Willdenow, Sp. Pl. 4,1: 336 (1805).
- Alnus Mitchelliana* Curtis ex Gray in Am. Jour. Sci. 42: 42 (1842).
- Alnus viridis* sensu Torrey, Fl. St. New York, 2: 203 (1843), non Pursh (1814).
- A. crispa** var. *mollis* (Fern.) Fernald in Rhodora, 15: 44 (1913).
- Alnus mollis* Fernald in op. cit. 6: 162 (1904).
- A. sinuata** (Reg.) Rydberg in Bull. Torrey Bot. Club, 24: 123 (1897).
- Alnus viridis* β. *sibirica* lus. b. *sitchensis* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 138 (Monog. Betul. 80) (1861).
- Alnus viridis* δ. *sinuata* Regel in De Candolle, Prodr. 16,2: 183 (1868), p. p.
- Alnus sitchensis* Sargent, Silva N. Am. 14: 61, t. 727 (1902).
- Alnus alnobetula* var. η. *stenophylla* Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 107 (1904).
- Alnus sinuata* var. *stenophylla* (Winkl.) Callier in Repert. Sp. Nov. Reg. Veg. 10: 227 (1911); in Mitt. Deutsch. Dendr. Ges. 1918(27): 60, t. 18, fig. 17 (1918).
- A. fruticosa** Ruprecht in Beitr. Pflanzenk. Russ. Reich. 2: 53 (1845).—Schneider in Sargent, Pl. Wilson. 2: 503 (1916).
- Alnaster fruticosus* Ledebour, Fl. Ross. 3: 655 (1850).
- Alnobetula fruticosa* Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 376 (1857).
- Alnus viridis* β. *sibirica* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 137, t. 14, fig. 16–20 (Monog. Betul. 79) (1861).
- Alnus viridis* var. *julacea* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 7: 91 (Pl. David. 1: 281) (1884).
- Alnus fruticosa* var. *typica* Callier in Schneider, Ill. Handb. Laubh. 1: 121, fig. 66l. (1904).
- Alnus alnobetula* var. β. *fruticosa* (Rupr.) Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 106 (1904), p. p. typ.
- A. Maximowiczii** Callier in Schneider, Ill. Handb. Laubh. 1: 122, fig. 66k, 67i-i<sup>1</sup> (1904); in Mitt. Deutsch. Dendr. Ges. 1918(27): 57, t. 9, 22, fig. la, b. (1918).
- Alnus viridis* γ. *sibirica* Regel in Bull. Soc. Nat. Moscou, 38,2: 422 (1865), p. p., quoad pl. Jap.
- Alnus alnobetula* var. β. *fruticosa* Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 106 (1904), p. p.
- Subgen. π. GYMNOTHYRSUS (Spach) Regel in Bull. Soc. Nat. Moscou, 38,2: 425 (1865).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 416 (1911).
- Alnus* sect. *Gymnothyrsus* Spach, l. c. (1841).—Schneider in Sargent, Pl. Wilson. 2: 492 (1916).
- Alnus* subgen. *Alnus* Endlicher, Gen. Pl. Suppl. 2: 28 (1842); Suppl. 4,2: 20 (1847).—Sargent, Silva N. Am. 9: 68 (1896) "sect."
- Alnus* sect. *Clethra* Koch, Syn. Fl. Germ. Helv. 663 (1837), nom.; ed. 2, 2: 762 (1843).
- Alnus* subgen. *Euclathrus* Petermann, Deutschl. Fl. 516 (1849).
- Alnus* sect. *Phyllothyrsus* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 204 (1841).
- Alnus* sect. *Pseudalnus* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 145 (Monog. Betul. 87) (1861).
- Alnus* sect. *Eualnus* Regel in op. cit. 152 (194) (1861).
- A. serrulata** (Ait.) Willdenow, Sp. Pl. 4,1: 336 (1805).—Fernald in Rhodora, 47: 354 (1945).
- Betula Alnus* var. *americana* C. F. Ludwig, Neu. Wilde Baumz. 8 (1783), nom. subnud.
- ?*Betula-Alnus rubra* Marshall, Arbust. Am. 20 (1785), nom. subnud.; non *A. rubra* Bongard (1833).
- Betula serrulata* Aiton, Hort. Kew. 3: 338 (1789).
- Alnus serrulata* var. *vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 206 (1841), p. p.
- Alnus rubra* (Marsh.) Tuckerman in Am. Jour. Sci. 14: 32 (1843), non Bongard (1833).
- Alnus glutinosa* δ. *serrulata* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 164, t. 11, fig. 6–10 (Monog. Betul. 106) (1861), p. p. typ.
- Alnus glutinosa* δ. *serrulata* lus. a. *genuina* Regel, l. c. fig. 6 (1861).
- Alnus glutinosa* δ. *serrulata* lus. b. *obtusifolia* Regel, l. c. fig. 7 (1861).
- Alnus serrulata* a. *genuina* Regel in De Candolle, Prodr. 16,2: 188 (1868), p. p.
- Alnus serrulata* δ. *obtusifolia* Regel, l. c. (1868).
- Alnus rugosa* sensu K. Koch, Dendr. 2: 635 (1872).—Sargent, Silva N. Am. 9: 69 (1896).—Non Sprengel (1825).
- Alnus rugosa* var. β. *serrulata* H. Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 120 (1904).
- Alnus rugosa* var. *obtusifolia* H. Winkler, l. c. (1904).
- A. serrulata** f. *noveboracensis* (Britt.) Fernald in Rhodora, 47: 358 (1945) "*A. s.* var. *vulgaris* f. n."
- Alnus noveboracensis* Britton in Torrey, 4: 124 (1904); N. Am. Trees, 264, fig. 224 (1908).
- A. serrulata** var. *subelliptica* Fernald in op. cit. 358, t. 986 (1945).
- A. serrulata** f. *nanella* Fernald in op. cit. 360, t. 989 (1945).
- ?*Alnus serrulata* var. *pumila* Demcker in Mitt. Deutsch. Dendr. Ges. 1903(12): 104 (1903): 1909(18): 326 (1909?) "(f.)"
- A. Aschersoniana** [*A. serrulata* × *incana*] Callier in Jahresber. Schles. Ges. Vaterl. Kult. 69: 82 (1892); in Schneider, Ill. Handb. Laubh. 1: 132, fig. 72b,c (1904); in Mitt. Deutsch. Dendr. Ges. 1918(27): 118 (1918).
- Alnus autumnalis* × *incana* Ascherson, Fl. Prov. Brandenb. 623 (1861).

- A. silesiaca** [*A. serrulata* × *glutinosa*] Fiek in Jahresber. Schles. Ges. Vaterl. Kult. **66**: 178 (1888) "*A. glutinosa* × *rugosa* (*A. silesiaca*)". — Callier in Schneider, Ill. Handb. Laubh. **1**: 130, fig. 69r-r<sup>1</sup> (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 105 (1918).  
*Alnus hybrida* J. Ch. Neumann ex H. W. Reichardt in Verh. Zool.-Bot. Ges. Wien, **42**(Abh): 267 (1854), non Reichenbach (1850).  
*Alnus Fieckii* Callier in Jahresber. Schles. Ges. Vaterl. Kult. **69**, **2**: 83 (1892).  
*Alnus Fieckii* var. *silesiaca* Callier in op. cit. 86 (1892).
- A. glutinosa** (L.) Gaertner, Fruct. Sem. **2**: 54, t. 90 (1791). — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 416 (1911).  
*Betula Alnus a. glutinosa* Linnaeus, Sp. Pl. 983 (1753).  
*Betula glutinosa* Linnaeus, Syst. Nat. ed. 10, **2**: 1265 (1759). — Lamarck Encycl. Méth. Bot. **1**: 454 (1783).  
*Alnus rotundifolia* Miller, Gard. Dict. ed. 8, **A.** no. 1 (1768).  
*Betula Alnus* Scopoli, Fl. Carniol. ed. 2, **2**: 233 (1772).  
*Betula Alnus emarginata* Ehrhart, Verz. Bäume Sträuch. Herrenh. 6 (1787), nom.  
*Alnus nigra* Gilibert, Exerc. Phytol. **2**: 401 (Suppl. Syst. Pl. Eur.) (1792).  
*Betula palustris* Salisbury, Prodr. Stirp. Chap. Allert. 395 (1796).  
*Alnus communis* Mirbel in Du Hamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], **2**: 212, t. 64 (1804). — Desfontaines, Tabl. Hort. Paris, 213 (1804), nom.  
*Betula emarginata* Ehrhart, Arb. no. 9 ex De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 303 (1805), pro syn.  
*Alnus vulgaris* Persoon, Syn. Pl. **2**: 550 (1807). — Clusius ex Bubani, Fl. Pyren. **1**: 50 (1897).  
*Alnus glutinosa a. vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 207 (1841).  
*Alnus februarya* Kuntze, Taschenfl. Leipz. 238 (1867), p. p.  
*Alnus glutinosa* var. *vulgaris* f. *typica* Callier in Jahresber. Schles. Ges. Vaterl. Kult. **19**, **2**: 72 (1891).
- A. glutinosa** f. *aurea* [Lemaire] Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 118 (1904) "var. *a. vulgaris* f. *a.*" — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 419 (1911) "*a. vulgaris* 1. *typica* lus. *a.*"  
*Alnus glutinosa* var. *aurea* [Lemaire] in Ill. Hort. **13**: t. 490 (1866). — Verschaffelt ex Dippel, Handb. Laubh. **2**: 160 (1892).  
*Alnus aurea* Verschaffelt ex K. Koch, Dendr. **2**, **1**: 630 (1872) "*A. glutinosa* f.", pro syn.
- A. glutinosa** f. *laciniata* [Ehrh.] Koehne, Deutsche Dendr. **115** (1893). — Callier in Schneider, Ill. Handb. Laubh. **1**: 129, fig. 69o-o<sup>1</sup> (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 99, t. 20, fig. 9 (1918).  
*Betula laciniata* Ehrhart, Beitr. Naturk. **3**: 22 (1788). — G. F. Hoffmann, Deutschl. Fl., n. ed., **2**: 247 [1804].  
*Betula Alnus* β. *laciniata* Aiton, Hort. Kew. **3**: 338 (1789).  
*Alnus glutinosa* β. *Betula laciniata* (Ehrh.) De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 303 (1805).  
*Alnus glutinosa* var. *laciniata* Willdenow, Sp. Pl. **4**, **1**: 334 (1805). — Ascherson & Graebner, Fl. Brandenb. ed. 2, **255** (1898) "lus."  
*Alnus glutinosa* δ. *pinnatifida* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 207 (1841).  
*Alnus glutinosa* e. *pinnatifida* lus. b. *laciniata* Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 167, t. 15, fig. 36-37 (Monog. Betul. 109) (1861).
- Alnus februarya* 4b. *incisa* Kuntze, Taschenfl. Leipz. 238 (1867).
- A. glutinosa** f. *imperialis* [Lemaire] Kirchner in Petzold & Kirchner, Arb. Muscov. 599 (1864) "(f.)". — (Desfossé) Dippel, Handb. Laubh. **2**: 161 (1892) "h. *laciniata* a. *i.*" — Desf. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 48, fig. 66 (1900) "var." — Callier in Schneider, Ill. Handb. Laubh. **1**: 129, fig. 69q (1904) "var. *a. vulgaris* f. *i.*"; in Mitt. Deutsch. Dendr. Ges. **1918**(27): 101, t. 20, fig. 10 (1918). — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 419 (1911) "*A. vulgaris* 3. *parvifolia* δ. *i.*"  
*Alnus glutinosa imperialis asplenifolia* Hort. ex Lemaire in Ill. Hort. **6**(misc.): 97, t. (1859).  
*Alnus februarya* 4d. *pinnatifida* Kuntze, Taschenfl. Leipz. 238 (1867).  
*Alnus imperialis* Desfossé-Thuillier ex K. Koch, Dendr. **2**, **1**: 629 (1872), pro syn.
- A. glutinosa** f. *quercifolia* (Willd.) Koehne, Deutsche Dendr. **115** (1893). — Callier in Schneider, Ill. Handb. Laubh. **1**: 129, fig. 69m (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 97, t. 20, fig. 6 (1918).  
*Betula Alnus* γ. *quercifolia* Willdenow, Berlin. Baumz. **44** (1796).  
*Alnus glutinosa* var. *quercifolia* Willdenow, Sp. Pl. **4**, **1**: 334 (1805). — Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 168 (Monog. Betul. 110) (1861) "*e. pinnatifida* lus. *q.*" — Gleditsch ex Ascherson, Fl. Brandenb. 621 (1864) "*A. g. q.*"
- A. glutinosa** f. *sorbifolia* (Dipp.) Koehne, Deutsche Dendr. **115** (1893). — Callier in Schneider, Ill. Handb. Laubh. **1**: 129, fig. 69n (1904).  
*Alnus glutinosa* var. *g. sorbifolia* hort. ex Dippel, Handb. Laubh. **2**: 161 (1892). — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 418 (1911) "*A. vulgaris* 1. *typica* lus. *s.*"
- A. glutinosa** f. *incisa* (Willd.) Koehne, Deutsche Dendr. **115** (1893). — Callier in Schneider, Ill. Handb. Laubh. **1**: 129, fig. 69p-p<sup>1</sup> (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 98 (1918).  
*Alnus glutinosa* var. *incisa* Willdenow, Sp. Pl. 335 (1805). — Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, **2**: 167, t. 17, fig. 9-11 (Monog. Betul. 109) (1861) "*e. pinnatifida* lus. *a. i.*" — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 419 (1911) "*A. vulgaris* 3. *parvifolia* γ. *i.*"  
*Alnus glutinosa* var. *oxyacanthaeifolia* (Loddiges, Cat. 1836) Loudon, Arb. Brit. **3**: 1678 (1838).  
*Alnus februarya* 5c. *oxyacanthifolia* Kuntze, Taschenfl. Leipz. 239 (1867).
- A. glutinosa** f. *rubrinervis* (Dipp.) Callier in Schneider, Ill. Handb. Laubh. **1**: 129 (1904).  
*Alnus glutinosa* var. *rubrinervis* Dippel, Handb. Laubh. **2**: 160 (1892). — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 419 (1911) "*A. vulgaris* 1. *typica* lus. *r.*"
- A. glutinosa** f. *pyramidalis* (Dipp.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 117 (1904). — Hegi, Ill. Fl. Mitteleur. **3**: 93 (1910).  
*Alnus glutinosa pyramidalis Birkiana* Späth, Hauptkat. **69**: 75 (1887), nom. — Hort. ex Dippel, l. c. (1892), pro syn.  
*Alnus glutinosa d. pyramidalis* Dippel, Handb. Laubh. **2**: 161 (1892).  
*Alnus Birkiana* hort. ex Winkler, l. c. (1904), pro syn.  
*Alnus glutinosa fastigiata* Beissner in Mitt. Deutsch. Dendr. Ges. **1907**(16): 56 [1908].

*Alnus* (continued)

- A. glutinosa** var. **denticulata** (C. A. Mey.) Ledebour, Fl. Ross. **3**: 657 (1849).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 118 (1904).—Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 103, t. 20, fig. 11 (1918).  
*?Betula oblongata* Aiton, Hort. Kew. **3**: 338 (1789).  
*?Alnus oblongata* (Ait.) Willdenow, Sp. Pl. **4**: 335 (1805).  
*Alnus denticulata* C. A. Meyer, Verzeich. Pfl. Kaukas. **43** (1831).  
*Alnus glutinosa* β. *subrotunda* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 207 (1841).
- A. glutinosa** var. **barbata** (C. A. Mey.) Ledebour, Fl. Ross. **3**: 657 (1849).  
*Alnus barbata* C. A. Meyer, Verzeich. Pfl. Kaukas. **43** (1831).  
*?Alnus glutinosa* γ. *acutifolia* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 207 (1841).  
*Alnus glutinosa* β. *pubescens* lus. b. *barbata* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 162 (Monog. Betul. 104) (1861).  
*Alnus glutinosa* β. *denticulata* π. *barbata* Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 420 (1911).  
*Alnus glutinosa* var. *denticulata* f. *barbata* (C. A. Mey.) Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 104 (1918).
- A. pubescens** (*A. glutinosa* × *incana*) Tausch in Flora, **17,2**: 520 (1834).  
*Alnus badensis* Lang ex Hagenbach, Tent. Fl. Basil. Suppl. 192 (1843).—Döll, Fl. Grossherz. Bad. **534** (1857).  
*Alnus hybrida* A. Braun ex Reichenbach, Icon. Fl. Germ. **12**: 3, t. 630, no. 1292 (1850).  
*Alnus incano-glutinosa* Krause in Uebers. Arbeit. Schles. Ges. Vaterl. Kult. **1845**: 58 (1845).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 128 (1904).—Callier in Schneider, Ill. Handb. Laubh. **1**: 130 (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 107, t. 20, fig. 13–15 (1918).  
*Alnus glutinosa* β. *pubescens* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 161, t. 11, fig. 3, 4 (Monog. Betul. 103) (1861), exclud. lus. b.  
*Alnus februaryia* 1c. *hybrida* et 1d. *pubescens* Kuntze, Taschenfl. Leipz. **239** (1867).  
*Alnus ambigua* Beck in Verh. Ges. Zool.-Bot. Ges. Wien, **38**: 767 (1888).  
*Alnus Tauschiana* Callier in Deutsch. Bot. Monatsschr. **7**: 51 (1889).  
*Alnus pubescens* Sartorelli ex Gürke in Richter, Pl. Eur. **2**: 53 (1897), pro syn.; errore pro *Betula pubescens* Sartorelli (1816).  
*Alnus spuria* Callier in Jahresber. Schles. Ges. Vaterl. Kult. **69**: 79 (1892); in Allg. Bot. Zeitschr. **1895**: 105, 123 (1895).
- A. tenuifolia** Nuttall, N. Am. Sylv. **1**: 32, t. 10 (1842).—Sargent, Silva N. Am. **9**: 75, t. 455 (1896).  
*Alnus incana* var. β. *Hooker*, Fl. Bor.-Am. **2**: 157 (1838).  
*Alnus incana* var. *glauca* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 154 (Monog. Betul. 96) (1861), p. p.  
*Alnus incana* var. *virescens* S. Watson, Bot. Calif. **2**: 81 (1880), non Wahlenberg (1812).  
*Alnus glutinosa* var. *virescens* (Wats.) Kuntze, Rev. Gen. Pl. **2**: 631 (1891).  
*Alnus tenuifolia* var. a. *virescens* (Wats.) Callier in Schneider, Ill. Handb. Laubh. **1**: 133, fig. 72f–g (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 122, t. 20, fig. 19, t. 23, fig. 20a–c (1918).
- A. tenuifolia** var. b. **occidentalis** (Dipp.) Callier, l. c. fig. 72h–i (1904); in op. cit. **124** (1918).  
*Alnus occidentalis* Dippel, Handb. Laubh. **2**: 158, fig. 78 (1892).—Wildeman, Icon. Select. Hort. Thenens. **2**: t. 75 (1900).
- A. Purpusi** (*?Alnus rugosa* × *tenuifolia*) Callier in Schneider, Ill. Handb. Laubh. **1**: 132 (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 118 (1918).  
*Alnus tenuifolia* var. *Purpusi* Koehne ex Späth ? (1897); Hauptkat. **111**: 72 (1902).
- A. rhombifolia** Nuttall, N. Am. Sylv. **1**: 33 (1842).—Sargent, Silva N. Am. **9**: 77, t. 456 (1896).—Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 81, t. 19, fig. 18, t. 22, fig. 14a, b (1918).  
*?Alnus oblongifolia* sensu Watson, Bot. Calif. **2**: 80 (1880), p. p.; non Torrey (1859).  
*Alnus rhombifolia* var. *typica* Callier in Repert. Sp. Nov. Reg. Veg. **10**: 229 (1911).  
*Alnus californica* Hort. ex Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 115 (1904), pro syn.
- A. oblongifolia** Torrey in Emory, Rep. U. S. Mex. Bound. Surv. **2,1**: 204 (1859).—Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 83, t. 20, fig. 3 (1918).  
*Alnus serrulata* γ. *oblongifolia* (Torr.) Regel in Bull. Soc. Nat. Moscou, **38,2**: 432 (1865); in De Candolle, Prodr. **16,2**: 188 (1868).  
*Alnus acuminata* sensu Sargent, Silva N. Am. **9**: 79, t. 457 (1896), non Humboldt, Bonpland & Kunth (1817).
- A. rubra** Bongard in Mém. Acad. Sci. St. Pétersb. sér. 4, **2**: 162 (1833).—Winkler in Engler, Pflanzenreich IV. **61**(Heft 19): 124, fig. 27c–f (1904).—Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 120, t. 20, fig. 18, t. 23, fig. 19a–c (1918).  
*Alnus oregona* Nuttall, N. Am. Sylv. **1**: 28, t. 9 (1842).—Sargent, Silva N. Am. **9**: 73, t. 454 (1896).—Hultén, Fl. Alaska Yukon, **4**: 573 (Fysiogr. Sällsk. Handl. n. ser., **55,1**. 1944).  
*Alnus incana* η. *rubra* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 157, t. 17, fig. 3, 4 (Monog. Betul. 99) (1861).
- A. rubra** f. **pinnatisecta** (Starker), grad. nov.  
*Alnus rubra* var. *pinnatisecta* Starker in Jour. For. **37**: 415, fig. (1939).
- A. hirsuta** (Spach) Ruprecht in Bull. Acad. Sci. St. Pétersb. **15**: 376 (In Mém. Biol. **2**: 558. 1858) (1857).—Callier in Schneider, Ill. Handb. Laubh. **1**: 133, fig. 68a–a<sup>1</sup>, 72k (1904).—Schneider in Sargent, Pl. Wilson. **2**: 497 (1916).—Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 124, t. 20, fig. 20, t. 23, fig. 21a, b (1918).  
*Alnus hirsuta* Turczaninov in Bull. Soc. Nat. Moscou, **1838**[11]: 101 (Cat. Pl. Baical.) (1838), nom.  
*Alnus incana* var. *hirsuta* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 207 (1841).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 123 (1904).  
*Alnus tinctoria* Sargent in Gard. & For. **10**: 472, fig. 59 (1897).—Komarov, Fl. S. S. S. R. **5**: 319 (1936).  
*Alnus hirsuta* var. *vulgaris* Callier in Schneider, Ill. Handb. Laubh. **1**: 133, fig. 72k (1904).  
*Alnus incana* var. ζ. *tinctoria* (Sarg.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 123 (1904), exclud. descript.  
*Alnus hirsuta* var. *vulgaris* f. *typica* Callier in Repert. Sp. Nov. Reg. Veg. **10**: 233 (1911).  
*Alnus sibirica* var. *hirsuta* Koidzumi in Bot. Mag. Tokyo, **27**: 144 (1913).—Nakai, Fl. Sylv. Kor. **2**: 40 (1915).

- Alnus Alisoviana* Mandl in Bot. Közl. **19**: 89 (1921); in Oester. Bot. Zeitschr. **71**: 172, fig. 1 (1922) "*Alisoviana*".
- A. hirsuta** var. *sibirica* (Spach) Schneider in Sargent, Pl. Wilson. **2**: 498 (1916).  
*Alnus sibirica* Fischer ex Turczaninov in Bull. Soc. Nat. Moscou, **1838**[11]: 101 (Cat. Pl. Baical.) (1838), nom. — Komarov in Act. Hort. Petrop. **22**: 57 (Fl. Mansh. II.) (1903). — Callier in Schneider, Ill. Handb. Laubh. **1**: 133 (1904); **2**: 891, fig. 557f-h (1912).  
*Alnus incana* var. *sibirica* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 207 (1841). — Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 156 (Monog. Betul. 98) (1861) "γ." — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 122 (1904).  
*Alnus incana* var. *glauca* Regel in op. cit. 154 (96) (1861), p. p.  
*Alnus tinctoria* sensu Komarov in Act. Hort. Petrop. **22**: 56 (Fl. Mansh. II.) (1903). — Callier in Schneider, Ill. Handb. Laubh. **1**: 134, fig. 68h-h<sup>2</sup>, 721 (1904); **2**: 891, fig. 557i (1912). — Non Sargent (1897).  
*Alnus incana* var. γ. *tinctoria* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 123 (1904), non *A. tinctoria* Sargent (1897).  
*Alnus sibirica* var. *typica* Callier in Schneider, Ill. Handb. Laubh. **2**: 891 fig. 557f (1912).  
*Alnus sibirica* var. *tinctoria* Koidzumi in Bot. Mag. Tokyo, **27**: 145 (1913), non *A. tinctoria* Sargent (1897).
- A. Matsumurae** Callier in Repert. Sp. Nov. Reg. Veg. **10**: 234 (1911); in Schneider, Ill. Handb. Laubh. **2**: 891, fig. 556n-p, 557k (1912); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 131, t. 15, 23a-c (1918). — Schneider in Sargent, Pl. Wilson. **2**: 500 (1916).  
*Alnus incana* var. *emarginata* Matsumura in Jour. Coll. Sci. Tokyo, **16,5**: 13, t. 4 (1902). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 123 (1904).
- A. incana** (L.) Moench, Meth. Pl. 424 (1794). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 120 (1904), exclud. var. ε-ι. — Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 131 (1918), exclud. var. *glauca*.  
*Betula Alnus* β. *incana* Linnaeus, Sp. Pl. 983 (1753).  
*Betula Alnus* Linnaeus, Syst. Nat. ed. 10, 1265 (1759).  
*Betula incana* Linnaeus f., Suppl. Pl. 417 (1781).  
? *Betula incana* a. *glauca* Aiton, Hort. Kew. **3**: 339 (1789).  
*Alnus lanuginosa* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) **2**: 401 (1792).  
*Alnus incana* a. *glauca* Aiton f., Hort. Kew. **5**: 259 (1813). — Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 154 (Monog. Betul. 96) (1861), p. p.  
*Alnus incana* var. a. *vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 206 (1841).  
*Alnus incana* var. γ. *genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 155 (Monog. Betul. 97) (1861).  
*Alnus februaris* 1e. *incana* Kuntze, Taschenfl. Leipz. 239 (1867).  
*Alnus incana* var. *typica* Beck, Fl. Nieder-Oester. 262 (1890).  
*Alnus hirsuta* G. Baubin ex Bubani, Fl. Pyren. **1**: 50 (1897), non Ruprecht (1857).
- A. incana** f. *aurea* (Dipp.) Callier in Schneider, Ill. Handb. Laubh. **1**: 135 (1904) "var. *vulgaris* f. a." — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 425 (1911) "i. *vulgaris* 1, *typica* monst. a."  
*Alnus incana* (f.) *aurea* hort. ex Dippel, Handb. Laubh. **2**: 165 (1892). — [Beissner] in Mitt. Deutsch. Dendr. Ges. **1899**(8): 140 (1899) "A. i. a."
- A. incana** f. *coccinea* Callier in Schneider, Ill. Handb. Laubh. **1**: 135 (1904) "d. *glaucoephylla* f. c."  
*Alnus incana* (f.) *coccinea* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 59 (1903), nom.
- A. incana** f. *acutiloba* (Koch) Hallier in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, **3**: 2388 (1907).  
*Alnus incana* var. *laciniata* Reichenbach, Fl. Germ. Excurs. 175 (1830), nom. — Lodd. Cat. 1836 ex Loudon, Arb. Brit. **3**: 1688 (1838), nom. subnud.  
*Alnus incana* γ. *acutiloba* Koch, Syn. Fl. Germ. Helv. ed. 2, **2**: 762 (1844).  
*Alnus incana* β. *pinnatifida* Grenier & Godron, Fl. France, **3**: 150 (1855). — Mattiolo, Comp. Fl. Ital. **2**: 216 (1867). — Dippel, Handb. Laubh. **2**: 165 (1892). — Non Wahlenberg (1824).  
*Alnus incana* θ. *pinnatifida* lus. d. *acuminata* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 158, t. 17, fig. 8 (Monog. Betul. 100) (1861); in Bull. Soc. Nat. Moscou, **38,2**: 434 (1865) "var. η. a." — Callier in Schneider, Ill. Handb. Laubh. **1**: 135, fig. 72p (1904) "var. *vulgaris* f. a."  
*Alnus glutinosa* × *incana* b. *pinnatifida* (Wahlenb.) Koehne, Deutsche Dendr. 115 (1893), non var. *pinnatifida* Wahlenb. (1824).
- A. incana** f. *pinnata* (Lundm.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 121 (1904).  
*Betula pinnata* Lundmark in Svenska Vetensk.-akad. Handl. ser. 2, **11**: 131, t. 5 (1790).  
*Alnus incana* var. *pinnata* Willdenow, Sp. Pl. **4**: 334 (1805). — Persoon, Syn. Pl. **2**: 550 (1807). — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 427 (1911) "π. b. *parvifolia* 2. p."  
*Alnus incana* var. *pinnatifida* Wahlenberg, Fl. suec. 622 (1824). — Regel in De Candolle, Prodr. **16,2**: 189 (1868). — Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 158, t. 21, fig. 13 (1918). — Rehder, Man. Cult. Trees Shrubs, 147 (1927); ed. 2, 137 (1940).  
? *Alnus incana* var. *laciniata* Reichenbach, Fl. Germ. Excurs. 175 (1830), nom. — Schübele, Virid. Norveg. **1**: 489, fig. 101 (1886). — Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 58 (1903) "(f.)"  
*Alnus incana* θ. *pinnatifida* a. *laciniata* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 157, t. 17, fig. 5 (Monog. Betul. 99) (1861).  
*Alnus incana* θ. *pinnatifida* c. *vulgaris* Regel, op. cit. 158, t. 17 fig. 6, (p. 100) (1861).  
*Alnus incana* θ. *pinnatifida* lus. *parvifolia* Regel in Nouv. Mém. Soc. Nat. Moscou, **13,2**: 158, t. 17, fig. 7 (Monog. Betul. 100) (1861).  
*Alnus incana* var. *incisa* Dippel, Handb. Laubh. **2**: 165 (1892).
- A. incana** f. *pendula* Callier in Schneider, Ill. Handb. Laubh. **1**: 135 (1904) "var. *vulgaris* f. p." — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 425 (1911) "i. *vulgaris* 1, *typica* lus. p." — Bean, Trees & Shrubs Gt. Brit. **1**: 182 (1914) "var."  
*Alnus incana pendula nova* V. de Bom ex Schelle in Beissner et al., Handb. Laubh.-Ben. 59 (1903), nom.
- A. incana** var. *hypochlora* Callier in Jahresber. Schles. Ges. Vaterl. Kult. **69**(Zool.-bot. Sekt.): 78 (1891); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 149 (1918).  
? *Alnus incana* β. *angulata* Willdenow, Sp. Pl. **4,1**: 334 (1805).  
? *Alnus incana* γ. *glabra* Opiz, Seznam Rostl. Květ. České, **13** (1852).  
*Alnus incana* var. *glabrescens* Celakovsky in Sitzber.



***Alnus incana* var. *hypochlora*** (continued)

Böhm. Ges. Wiss. Math.-Phys. Kl. 10: 13 (1893), non Spach (1841).

**A. rugosa** (Du Roi) Sprengel, Syst. Pl. 3: 848 (1826).—Fernald in Rhodora, 47: 345, t. 977-9 (1945).

*Betula Alnus (rugosa)* Du Roi, Obs. Bot. 31 (1771); Harbk. Wilde Baumz. 1: 112 (1771).

*Betula rugosa* (Du Roi) Ehrhart, Beitr. Naturk. 3: 21 (1788).

*Alnus latifolia* Desfontaines, Cat. Pl. Hort. Paris, ed. 3, 352 (1829), nom. nud.

*Alnus serrulata* β. *macrophylla* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 206 (1841).

*Alnus macrophylla* Desfontaines ex Spach, l. c. (1841), pro syn.

*Alnus hybrida* A. Braun ex Reichenbach, Icon. Fl. Germ. 12: 3, t. 630, fig. 1292 (1850).

*Alnus autumnalis* Hartig, Vollst. Naturg. Forstl. Culturpfl. 337 (1851).

*Alnus glutinosa* δ. *serrulata* lus. c. *rugosa* (Du Roi) Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 165, t. 11, fig. 8-10 (Monog. Betul. 107) (1861).

*Alnus serrulata* β. *rugosa* (Du Roi) Regel in De Candolle, Prodr. 16,2: 188 (1868).

*Alnus glutinosa* var. *autumnalis* Kuntze, Rev. Gen. Pl. 2: 638 (1891).

*Alnus incana* var. *hypochlora* sensu Fernald in Rhodora, 23: 257 (1922), non Callier (1918).

*Alnus rugosa* var. *typica* H. Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 119 (1904), p. p. quoad basonym.

**A. rugosa** f. *Emersoniana* Fernald in Rhodora, 47: 347, t. 979, fig. 4 (1945) "*A. r.* var. *typica* f. *E.*"

*Alnus incana* sensu Emerson, Trees Shrubs Mass. 1: 251, t. (1875), non Moench (1794).

**A. rugosa** var. *americana* (Regel) Fernald in op. cit. 350, t. 980, 981 (1945).

*Alnus glauca* Michaux f., Hist. Arb. For. Am. Sept. 3: 320, t. 4, fig. 2 (1813).

*Alnus incana* var. *glauca* Loudon, Arb. Brit. 3: 1688 (1838), p. p. exclud. cit. Aiton.—Gray, Man. Bot. N. U. S., ed. 2, 412 (1856).—Callier in Mitt. Deutsch. Dendr. Ges. 1918(27): 143 (1918).

*Alnus incana* a. *vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 2, 11: 206 (1841), p. p.

*Alnus incana* sensu Tuckerman in Am. Jour. Sci. 45: 32 (1843), non Moench (1794).

*Alnus incana* β. *americana* Regel in Nouv. Mém. Nat. Moscou, 13,2: 155 (Monog. Betul. 97) (1861).

*Alnus americana* Hort. ex K. Koch, Dendr. 2,1: 636 (1872), pro syn.

**A. rugosa** f. *tomophylla* (Fernald) Fernald in Rhodora, 47: 353, t. 982, fig. 4 (1945).

*Alnus incana* var. *americana* f. *tomophylla* Fernald in Rhodora, 16: 56 (1914).—Rehder, Man. Cult. Trees Shrubs, 147 (1927) "*A. i.* var. *t.*"

**A. rugosa** f. *hypomalaca* Fernald in Rhodora, 47: 353, t. 982, fig. 1-3 (1945) "*A. r.* var. *americana* f. *h.*"**A. cordata** (Loisel.) Desfontaines, Tabl. Hort. Paris, ed. 2, 244 (1815).—Winkler in Engler, Pflanzenreich IV. 61(Heft 19): 110, fig. 26 (1904).—Callier in Mitt. Deutsch. Dendr. Ges. 1918(27): 67, t. 19, fig. 4, t. 22, fig. 9a, b (1918).

*Betula cordata* Loiseleur-Deslongchamps, Notice Pl. Ajout. Fl. France, 139 (1810).

*Alnus neapolitana* Savi, Tratt. Alberi Tosc. ed. 2, 2: 21 (1811).

*Alnus cordifolia* Tenore, Fl. Napol. Prodr. Suppl. 2: 44 (1813); Syn. Nov. Pl. Prodr. Fl. Neap. (in Cat. Pl. Hort. Neap. App. 1.) ed. 2, 65 (1819).

*Alnus cordifolia* a. *genuina* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 168, t. 16, fig. 21-27 (Monog. Betul. 110) (1861).

*Alnus tiliacea* Hort., *A. tiliaefolia* Hort., *A. pyrifolia* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 47 (1900), pro syn.

*Alnus cordata* f. *genuina* (Reg.) Callier in Schneider, Ill. Handb. Laubh. 1: 125, fig. 66p<sup>1</sup>-p<sup>2</sup>, 67e-e<sup>2</sup> (1904).—Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 112 (1904) "var. a."

*Alnus cordata* var. *genuina* f. *vulgaris* Callier in Repert. Sp. Nov. Reg. Veg. 10: 228 (1911); in Mitt. Deutsch. Dendr. Ges. 1918(27): 67, t. 19, fig. 4, t. 22, fig. 9a, b (1918).

**A. elliptica** (*A. cordata* × *glutinosa*) Requier in Ann. Sci. Nat. 5: 381 (1825).—Callier in Schneider, Ill. Handb. Laubh. 1: 125, fig. 66q (1904); in Mitt. Deutsch. Dendr. Ges. 1918(27): 69 (1918).

*Alnus glutinosa* var. *elliptica* Mattiolo, Compend. Fl. Ital. 2: 216 (1867).

*Alnus hybrida* Hort. ex Dippel, Handb. Laubh. 2: 149 (1892), p. p.

*Alnus Dieckii* Callier in Schneider, Ill. Handb. Laubh. 1: 125, fig. 66q<sup>1</sup> (1904).

*Alnus elliptica* var. *genuina* Callier in Mitt. Deutsch. Dendr. Ges. 1918(27): 70, 179, t. 19, fig. 6 (1918).

*Alnus elliptica* var. *Dieckii* Callier, l. c. fig. 7 (1918).

**A. subcordata** C. A. Meyer, Verzeich. Pfl. Cauc. Casp. Meer. 43 (1831).—Winkler in Engler, Pflanzenreich, IV. 61(Heft 19): 112 (1904).

*Alnus cordifolia* var. *subcordata* Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 170, t. 11, fig. 20 (Monog. Betul. 112) (1861).

*Alnus subcordata* var. *typica* Callier in Repert. Sp. Nov. Reg. Veg. 10: 228 (1911); in Mitt. Deutsch. Dendr. Ges. 1918(27): 70 (1918).

*Alnus macrophylla* Hort. ex Rehder in Bailey, Cycl. Am. Hort [1]: 48 (1900), pro syn.

**A. Koehnei** (*A. incana* × *subcordata*) Callier in Schneider, Ill. Handb. Laubh. 1: 125, fig. 69b (1904); in Mitt. Deutsch. Dendr. Ges. 1918(27): 73 (1918).

?*Alnus Vilmoriniana* Lebas in Rev. Hort. 1860: 446 (1860).

*Alnus orientalis* a. *pubescens* Dippel, Handb. Laubh. 2: 151 (1892).

*Alnus Koehnei* f. *typica* Callier in Schneider, Ill. Handb. Laubh. 1: 125 (1904); in Mitt. Deutsch. Dendr. Ges. 1918(27): 73, 183 t. 19, fig. 10 (1918) "var."

*Alnus incana* × *subcordata* a. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 433 (1911).

**A. Spaethii** (*A. japonica* × *subcordata*) Callier in Mitt. Deutsch. Dendr. Ges. 1908(17): 213, 218 (1908); 1918(27): 77 (1918); in Repert. Sp. Nov. Reg. Veg. 8: 347 (1910); in Schneider, Ill. Handb. Laubh. 2: 890, fig. 555n-o (1912).**A. orientalis** Decaisne in Ann. Sci. Nat. Bot. sér. 2, 4: 348 (1835).—Regel in Nouv. Mém. Soc. Nat. Moscou, 13,2: 170, t. 17, fig. 12-18 (Monog. Betul. 112) (1861).—Callier in Mitt. Deutsch. Dendr. Ges. 1918(27): 65, t. 12, 22, fig. 7a-b (1918).

- Alnus longifolia* Bové in herb. ex Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 208 (1841), pro syn.
- Alnus orientalis* var. *a. longifolia* f. *typica* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 113 (1904).
- A. japonica** (Thunb.) Steudel, Nomencl. Bot. ed. 2, 55 (1840).—Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **43**: 230 (Fl. Jap. Fam. Nat. **2**: 106) (1846).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 114 (1904).—Callier in Mitt. Deutsch. Dendr. Ges. **1918**(27): 74 (1918).
- Betula Alnus* sensu Thunberg, Fl. Jap. **26** (1784), non Linnaeus (1753).
- Betula japonica* Thunberg in Nov. Act. Soc. Sci. Upsala **6**: 45, t. 4 (1799).
- Alnus Harinoki* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 25 (Syn. Pl. Oecon. Jap.) (1830), nom.
- Alnus maritima* β. *japonica* Regel in Bull. Soc. Nat. Moscou, **38**, 2: 428 (1865).
- Alnus japonica* var. *genuina* Callier in Repert. Sp. Nov. Reg. Veg. **10**: 229 (1911).
- A. japonica** var. *arguta* (Reg.) Callier in Repert. Sp. Nov. Reg. Veg. **10**: 229 (1911); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 76, t. 19, fig. 14 (1918).
- Alnus maritima* γ. *arguta* Regel in Bull. Soc. Nat. Moscou, **38**, 2: 428 (1865).
- A. spectabilis** (*A. incana* × *japonica*) Callier in Schneider, Ill. Handb. Laubh. **1**: 126, fig. 68b, b<sup>1</sup>, 69h, h<sup>1</sup>, (1904); in Mitt. Deutsch. Dendr. Ges. **1918**(27): 78, t. 14, t. 22, fig. 12 a-d (1918).
- Alnus incana* × *japonica* Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 433 (1911).
- A. trabeculosa** Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **1922**: 51 (Pl. Nov. Sin. Fortsetz. **15**: 3) (1922).
- Alnus Jackii* Hu in Jour. Arnold Arb. **6**: 140 (1925); in Hu & Chun, Icon. Pl. Sin. **1**: 16, t. 16 (1927).
- A. maritima** (Marsh.) Nuttall, N. Am. Sylv. **1**: 34, t. 10 bis (1842).—Sargent, N. Am. Silva, **9**: 81, t. 458 (1896).
- Betula-Alnus maritima* Marshall, Arbust. Am. **20** (1785).
- Alnus oblongata* Willd. ex Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, 2: 171, t. 6, fig. 3-9 (Monog. Betul. **113**) (1861).—Miller ex Dippel, Handb. Laubh. **2**: 151 (1892).
- Alnus maritima* α. *typica* Regel in Bull. Soc. Nat. Moscou, **38**, 2: 427 (1865).
- Subgen. III. CLETHROPSIS (Spach) Regel in Bull. Soc. Nat. Moscou, **38**, 2: 421 (1865).
- Clethropsis* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 201 (1841).
- Alnus* b. *Clethropsis* (Spach) Endlicher, Gen. Pl. Suppl. **2**: 28 (1842); Suppl. **4**: 20 (1847).—H. Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 108 (1904) "sect."
- A. nitida** (Spach) Endlicher, Gen. Pl. Suppl. **4**, 2: 21 (1847).—Regel in Nouv. Mém. Soc. Nat. Moscou, **13**, 2: 140, t. 14, fig. 23-30 (Monog. Betul. **82**) (1861).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 108 (1904).
- Clethropsis nitida* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 202 (1841); in Jacquemont, Voy. Inde, **4**: 159, t. 159 (1844).
- Subgen. IV. CREMASTOGYNE (Winkl.) Schneider in Sargent, Pl. Wilson. **2**: 490, 492 (1916).
- Alnus* sect. *Cremastogyne* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 102, 127 (1904).
- A. cremastogyne** Burkill in Jour. Linn. Soc. Lond. Bot. **26**: 499 (1899).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 127, fig. 28 (1904).—Schneider in Sargent, Pl. Wilson. **2**: 488 (1916).
- A. lanata** Duthie ex Bean in Kew Bull. **1913**: 164 (1913).—Schneider in Sargent, Pl. Wilson. **2**: 488 (1916).
- Trib. II. CORYLEAE (Meissn.) Rehder in Jour. Arnold Arb. **27**: 169 (1946).
- Corylaceae* Mirbel, Elém. Phys. Vég. **2**: 906 (1815), *Fagus* exclud. —Horaninov, Prim. Lin. Syst. Nat. **63** (1834). p. p. typ. —Lindley, Veg. Kingd. **290** (1846), p. p. typ. —A. de Candolle in De Candolle, Prodr. **16**, 2: 124 (1864).—Small, Fl. Southeast. U. S. **343** (1903).
- Amentaceae* d. *Corylaceae* Agardh, Aphor. Bot. **208** (1825), p. p. quoad *Corylus*.
- Cupuliferae* trib. *Corylaceae* Dumortier, Florula Belg. **14** (1827).—Meissner, Pl. Vasc. Gen. **1**: 346 [1842] "trib. *Coryleae*".
- Xylophyta* 2. *Carpineae* Döll, Erklär. Laubkn. Ament. **15** (1848).
- Betulaceae* trib. *Coryleae* Ascherson, Fl. Prov. Brandenb. **618** (1864).
- Corylaceae* trib. *Carpineae* et trib. *Coryleae* A. de Candolle in De Candolle, Prodr. **16**, 2: 124, 128 (1864).
- Castanéacées* II. *Coryleae* Baillon, Hist. Pl. **6**: 255 (1877).
- Betulaceae* trib. *Coryleae* (Meissn.) et trib. *Carpineae* (Döll) Nakai, Fl. Sylv. Kor. **2**: 7 (1915).
- CARPINUS** Linnaeus, Sp. Pl. **998** (1753), p. p. typ.; Gen. Pl. ed. 5, 432, no. 952 (1754).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 24-43, fig. 7-12 (1904).—Schneider in Sargent, Pl. Wilson. **2**: 425-443 (1916).—Radde-Fomin in Mém. Cl. Sci. Phys. Math. Acad. Sci. Ukraine, **15**, 1: 51-95, 8 t. (Beitr. Syst. Carpinus) (1929).—Hu in Sunyatsenia, **1**: 103-120, t. 29 (1933).
- LECTOTYPUS: *C. Betulus* L.
- Sect. I. EUCARPINUS Sargent, Silva N. Am. **9**: 40 (1896).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 24 (1904).
- Carpinus* subgen. *Eucarpinus* Nakai in Bot. Mag. Tokyo, **29**: 37 (1915).
- C. caroliniana** Walter, Fl. Carol. **236** (1788).—Sargent, Silva N. Am. **9**: 42, t. 447 (1896).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 31 (1904).
- Carpinus Betulus* Linnaeus, Sp. Pl. **998** (1753), p. p.
- Carpinus americana* Michaux, Fl. Bor.-Am. **2**: 201 (1803).
- Carpinus ostryoides* Rafinesque in Med. Repos. New York, hex. **3**, **2**: 333 (1811).
- Carpinus virginiana* Michaux f., Hist. Arb. For. Am. Sept. **3**: t. 8 (1813), *C. americana* in textu; non Miller (1768).
- C. caroliniana** var. *virginiana* (Marsh.) Fernald in Rhodora, **37**: 425, t. 394 (1936).
- Carpinus Betulus Virginiana* Marshall, Arbust. Am. **25** (1785).
- C. Betulus** Linnaeus, Sp. Pl. **998** (1753).—A. De Candolle in De Candolle, Prodr. **16**, 2: 126 (1864).—Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 29, fig. 9 (1904).
- Carpinus vulgaris* Miller, Gard. Dict. ed. 8, C. no. 1 (1768).
- Carpinus sepium* Lamarck, Fl. Franç. **2**: 212 (1778).

**Carpinus Betulus** (continued)

- Carpinus Betulus* a. *vulgaris* Aiton, Hort. Kew. **3**: 362 (1789).
- Carpinus ulmifolia* Salisbury, Prodr. Stirp. Chap. Allert. 392 (1796).
- Carpinus compressa* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) **2**: 399 (1799).
- Carpinus ulmoides* S. F. Gray, Nat. Arr. Brit. Pl. **2**: 245 (1821).
- Carpinus nervata* Dulac, Fl. Haut.-Pyrén. 141 (1867).
- Carpinus Betulus* β. *serrata* Beck, Fl. Nieder-Oester. 266 (1890).
- Carpinus Betulus* var. a. *typica* Koehne, Deutsche Dendr. 116 (1893), non Beck (1890).
- C. Betulus** f. *purpurea* K. Koch, Dendr. **2,2**: 3 (1873) "(f.)" — Nicholson in Garden, **24**: 419 (1883) "var." — Radde-Fomin in Mém. Cl. Sci. Phys.-Math. Acad. Sci. Ukraine, **15,1**: 79 (1929).
- C. Betulus** f. *incisa* (Ait.) Schneider, Ill. Handb. Laubh. **1**: 140, fig. 76d-d<sup>2</sup> (1904).
- Carpinus Betulus* β. *incisa* Aiton, Hort. Kew. **3**: 362 (1789).
- Carpinus Betulus* (f.) *heterophylla* Kirchner in Petzold & Kirchner, Arb. Muscav. 667 (1864).
- Carpinus Betulus* var. *laciniata* Neuman, Sverig. Fl. 595 (1901).
- Carpinus Betulus* var. *asplenifolia* Bean, Trees Shrubs Brit. Isles, **1**: 294 (1914).
- C. Betulus** f. *quercifolia* (Desf.) Schneider, Ill. Handb. Laubh. **1**: 140, fig. 76e-e<sup>3</sup> (1904).
- Carpinus Betulus* var. *quercifolia* C. F. Ludwig, Neu. Wilde Baumz. **9** (1783), nom. — Desf. ex Steudel Nomencl. Bot. 164 (1821) "γ. C. q." — A. de Candolle in De Candolle, Prodr. **16,2**: 126 (1864) "β. q.".
- Carpinus quercifolia* Desfontaines, Tabl. École Bot. 213 (1804).
- C. Betulus** f. *fastigiata* [Nichols.] Schelle in Beissner et al., Handb. Laubh.-Ben. 48 (1903) "(f.)"
- Carpinus Betulus* var. *fastigiata* Hort. ex Nicholson in Garden, **24**: 419 (1883). — Jäger & Beissner, Ziergeh. ed. 2, 74 (1884).
- Carpinus Betulus* var. *pyramidalis* Jäger & Beissner, l. c. (1884), pro syn. — Möhl in Gartenfl. **39**: 51 (1890). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 31 (1904) "(f.)" — Radde-Fomin in Mém. Cl. Sci. Phys.-Math. Acad. Sci. Ukraine, **15,1**: 79 (1929) "(f.)"
- Carpinus betulus erecta* hort. ex Späth, Späth-Buch 158 [1921].
- C. Betulus** f. *columnaris* [Beissn.] Späth (1891) ex Schelle in Beissner et al., Handb. Laubh.-Ben. 48 (1903) "(f.)"
- Carpinus Betulus columnaris* [Beissner] in Mitt. Deutsch. Dendr. Ges. **1899**(8): 136 (1899). — Bean, Trees Shrubs Brit. Isl. **1**: 294 (1914) "var."
- C. Betulus** f. *pendula* [Massé] Kirchner in Petzold & Kirchner, Arb. Muscav. 667 (1864) "(f.)". — Radde-Fomin in Mém. Cl. Sci. Phys.-Math. Acad. Sci. Ukraine, **15,1**: 79 (1929).
- Carpinus pendula* Massé in Rev. Hort. **1853**: 271 (1853).
- C. Betulus** var. *Carpinizza* (Host) Neilreich, Nachtr. Maly Enum. 76 (1861).
- Carpinus Carpinizza* Kitaibel ex Host, Fl. Austr. **2**: 626 (1831).
- Carpinus Betulus* β. *edentula* Heuffel in Verh. Zool.-Bot. Ges. Wien, **8**: 196 (1858), non C. e. Waldst. & Kitaibel (1805).
- Carpinus intermedia* Wierzb. ex Reichenbach, Icon. Fl. Germ. **12**: 4, fig. 1297 (1850).
- Carpinus Betulus* a. *typica* Beck, Fl. Nieder-Oester. 266 (1890).
- C. laxiflora** (Sieb. & Zucc.) Blume, Mus. Bot. Lugd.-Bat. **1**: 309 (1850). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 33, fig. 10κ (1904). — Schneider in Sargent, Pl. Wilson. **2**: 438 (1916).
- Distegocarpus laxiflora* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4,3**: 228 (Fl. Jap. Fam. Nat. **2**: 104) (1846).
- C. laxiflora** var. *macrostachya* Oliver in Hooker's Icon. Pl. **20**: t. 1989 (1891). — Schneider in Sargent, Pl. Wilson. **2**: 425 (1916).
- Carpinus Fargesii* Franchet in Jour. de Bot. **13**: 202 (1899).
- Carpinus laxiflora* var. *Fargesii* Burkill in Jour. Linn. Soc. Lond. Bot. **26**: 501 (1899).
- C. Tschonoskii** Maximowicz in Bull. Acad. Sci. St. Pétersb. **27**: 535 (in Mém. Biol. **11**: 313. 1881) (1882). — Schneider in Sargent, Pl. Wilson. **2**: 441 (1916).
- Carpinus yedoensis* Maximowicz in op. cit. 535 (1882); in op. cit. 313 (1881). — Shirasawa, Icon. Ess. For. Jap. **2**: t. 11, fig. 1-18 (1908).
- Carpinus Fauriei* Nakai in Bot. Mag. Tokyo, **26**: 325 (1912); Fl. Sylv. Kor. **2**: 21, t. 11 (1915).
- Carpinus Tschonoskii* var. *subintegra* Winkler in Bot. Jahrb. **50** (Suppl.): 501, fig. 4i (1914).
- C. Henryana** (Winkl.) Winkler in op. cit. 507, fig. 7 (1914). — Schneider in Sargent, Pl. Wilson. **2**: 429 (1916).
- Carpinus Tschonoskii* var. *Henryana* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 36 (1904).
- C. Fargesiana** Winkler in Bot. Jahrb. **50** (Suppl.): 506, fig. 6 (1914).
- Carpinus yedoensis* sensu Franchet in Jour. de Bot. **13**: 203 (1899); non Maximowicz (1881).
- C. eximia** Nakai, Fl. Sylv. Kor. **2**: 17, t. 8 (1915).
- C. orientalis** Miller, Gard. Dict. ed. 8, C. no. 3 (1768). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 37, fig. 10j (1904).
- Carpinus duinensis* Scopoli, Fl. Carniol. ed. 2, **2**: 243, t. 60 (1772).
- Carpinus nigra* Moench, Verz. Ausl. Bäume Weissenst. 19 (1785).
- Carpinus edentula* Waldstein & Kitaibel, Descr. Icon. Pl. Rar. Hungar. **2**: xxxii (1805), nom.
- C. Turczaninovii** Hance in Jour. Linn. Soc. Lond. Bot. **10**: 203 (1869). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 38 (1904) "*Turczaninowii*," exclud. var. *polyneura*. — Schneider in Sargent, Pl. Wilson. **2**: 439 (1916).
- Carpinus Paxii* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 35, fig. 10A-c (1904).
- Carpinus stipulata* Winkler in op. cit. 35, fig. 11 (1904).
- Carpinus Turczaninovii* var. *stipulata* Winkler in Bot. Jahrb. **50** (Suppl.): 505 (1914), p. p.
- C. Turczaninovii** var. *ovalifolia* Winkler, l. c. (1914). — Schneider in Sargent, Pl. Wilson. **2**: 427 (1916).
- Carpinus Turczaninovii* sensu Franchet in Jour. de Bot. **13**: 203 (1899), non Hance (1869).
- Carpinus polyneura* sensu Burkill in Jour. Linn. Soc. Lond. Bot. **26**: 502 (1899), p. p. — Henry in Elwes &

- Henry, Trees Gt. Brit. Irel. **3**: 527, t. 201, fig. 5 (1908). — Bean in Kew Bull. **1911**: 327 (1911). — Non Franchet (1899).
- Sect. II. DISTEGOCARPUS (Sieb. & Zucc.) Sargent, Silva N. Am. **9**: 40 (1896).
- Distegocarpus* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4,3**: 226 (Fl. Jap. Fam. Nat. **2**: 102) (1846).
- Carpinus* subgen. *Disterocarpus* (Sieb. & Zucc.) Nakai in Bot. Mag. Tokyo, **29**: 37 (1915), sphalm.
- C. japonica** Blume, Mus. Bot. Lugd.-Bat. **1**: 308 (1850). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 25, fig. 7D-F, 8c (1904). — Schneider in Sargent, Pl. Wilson. **2**: 433 (1916).
- Distegocarpus Carpinus* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4,3**: 227, t. 3c (Fl. Jap. Fam. Nat. **2**: 103) (1846).
- Distegocarpus carpinoides* Siebold & Zuccarini in op. cit. **240**, in explic. tab. 3 (116) (1846).
- Carpinus Carpinus* Sargent in Gard. & For. **6**: 364, fig. 56 (1893).
- Carpinus japonica* var. *cordifolia* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 26 (1904).
- Carpinus carpinoides* Makino in Bot. Mag. Tokyo, **26**: 391 (1912).
- Carpinus carpinoides* var. *cordifolia* Makino, l. c. (1912).
- Carpinus Distegocarpus* Koidzumi in Bot. Mag. Tokyo, **27**: 144 (1913).
- Carpinus japonica* var. *pleioneura* Winkler in Bot. Jahrb. **50** (Suppl.) 488 (1914).
- C. cordata** Blume, Mus. Bot. Lugd.-Bat. **1**: 309 (1850). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 26, fig. 7A-C, 8A,B (1904). — Schneider in Sargent, Pl. Wilson. **2**: 434 (1916).
- Carpinus erosa* Blume, Mus. Bot. Lugd.-Bat. **1**: 308 (1850).
- Distegocarpus* ? *erosa* A. De Candolle in De Candolle, Prodr. **16,2**: 128 (1864).
- Distegocarpus* ? *cordata* A. De Candolle, l. c. (1864).
- Ostrya mandshurica* Budischtschew ex Trautvetter in Act. Hort. Petrop. **9**: 166 (1884).
- ? *Carpinus cordata* f. *chinensis* sensu Nakai in Jour. Coll. Sci. Tokyo, **31**: 205 (Fl. Kor. II.) (1911); non Franchet (1899).
- C. cordata** var. *chinensis* Franchet in Jour. de Bot. **13**: 202 (1899). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 27 (1904). — Schneider in Sargent, Pl. Wilson. **2**: 425 (1916).
- Carpinus cordata* Winkler in Bot. Jahrb. **50**(Suppl.): 489 (1914), p. p.
- OSTRYA** Scopoli, Fl. Carniol. 414 (1760). — Bentham & Hooker f., Gen. Pl. **3**: 406 (1880). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 20 (1904).
- Carpinus* Linnaeus, Sp. Pl. 998 (1753), p. p.
- Zugilus* Rafinesque, Fl. Ludovic. 159 (1817).
- TYPUS: *Carpinus Ostrya* L. = *O. carpinifolia* Scop.
- O. carpinifolia** Scopoli, Fl. Carniol. ed. 2, **2**: 244 (1772). — A. de Candolle in De Candolle, Prodr. **16,2**: 125 (1864).
- Carpinus Ostrya* Linnaeus, Sp. Pl. 998 (1753), p. p. typ. — Mirbel in Duhamel, Traité Arb. Arbriss, éd. augm. [Nouv. Duhamel] **2**: 200, t. 59 (1801).
- Ostrya vulgaris* Willdenow, Sp. Pl. **4**: 469 (1805). — Bertoloni, Fl. Ital. **10**: 234 (1854).
- Ostrya italica* Scopoli ex Steudel, Nomencl. Bot. ed. 2, **1**: 300 (1840), pro syn. — Micheli [Nov. Pl. Gen. 223, t. 104. 1729] ex Spach in Ann. Sci. Nat. Bot. sér. 2, **16**: 246 (1841).
- Ostrya carpinifolia* var. *a. genuina* Fliche in Bull. Soc. Bot. France, **35**: 166, t. 35 (1888).
- Ostrya Ostrya* Karsten, Deutschl. Fl., ed. 2, **20** (1895). — Sargent, Silva N. Am. **9**: 32 (1896), non Macmillan (1892).
- Ostrya italica* subsp. *carpinifolia* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 22, fig. 6B-D (1904).
- Ostrya ostrya* (subsp.) A. *O. carpinifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 377 (1910).
- O. virginiana** (Mill.) K. Koch, Dendr. **2,2**: 6 (1873). — Sargent, Silva N. Am. **9**: 34, t. 545 (1896).
- Carpinus Ostrya* Linnaeus, Sp. Pl. 998 (1753), p. p.
- Carpinus virginiana* Miller, Gard. Dict. ed. 8, C. no. 4 (1768).
- Carpinus virginica* Münchhausen, Hausvat. **5**: 120 (1770).
- Carpinus Ostrya* sensu Wangenheim, Beschreib. Einig. Nordam. Holzart. 137 (1781). — Michaux f., Hist. Arb. For. Am. Sept. **3**: 53, t. 7 (1810). — Non Linnaeus (1753).
- Carpinus triflora* Moench, Méth. Pl. 694 (1794).
- Carpinus Ostrya americana* Michaux, Fl. Bor.-Am. **2**: 202 (1803).
- Ostrya virginica* Willdenow, Sp. Pl. **4**: 469 (1805).
- Zugilus virginica* Rafinesque, Fl. Ludovic. 159 (1817).
- Ostrya virginica* β. *eglandulosa* Spach in Ann. Sci. Nat. Bot. sér. 2, **16**: 246 (1841).
- Ostrya carpinifolia* β. *virginica* Fliche in Bull. Soc. Bot. France, **35**: 166 (1888).
- Ostrya Ostrya* Macmillan, Metasperm. Minnes. Valley, 187 (1892).
- Ostrya italica* subsp. *virginiana* (Mill.) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 22, fig. 6E (1904).
- O. virginiana** var. *glandulosa* (Spach) Sargent in Bot. Gaz. **67**: 216 (1919). — Macbride in Field Mus. Nat. Hist. Pub. Bot. Ser. **4**: 192 (1929), "f."
- Ostrya virginica* α. *glandulosa* Spach in Ann. Sci. Nat. Bot. sér. 2, **16**: 246 (1841).
- O. japonica** Sargent in Gard. & For. **6**: 383, fig. 58 (1893); For. Fl. Jap. 66, t. 22 (1894). — Schneider in Sargent, Pl. Wilson. **2**: 424 (1916).
- Ostrya virginica* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. **27**: 537 (in Mém. Biol. **11**: 317 1881) (1882); non Willdenow (1805).
- Ostrya virginiana* var. *japonica* Maximowicz ex Sargent in Gard. & For. **6**: 383 (1893); For. Fl. Jap. 66 (1894), pro syn.
- Ostrya carpinifolia* sensu Franchet in Jour. de Bot. **13**: 204 (1899), non Scopoli (1772).
- Ostrya Ostrya* var. *japonica* Schneider, Ill. Handb. Laubh. **1**: 142, fig. 76r (1904).
- Ostrya italica* subsp. *virginiana* Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 22 (1904), quoad pl. jap. et chin. — Matsumura, Index Pl. Jap. **2,2**: 22 (1912).
- O. Knowltoni** Coville in Gard. & For. **7**: 114, fig. 23 (1894). — Sargent, Silva N. Am. **9**: 37, t. 446 (1896).
- OSTRYOPSIS** Decaisne in Bull. Soc. Bot. France, **20**: 155 (1873). — Bentham & Hooker f., Gen. Pl. **3**: 405 (1880). — Winkler in Engler, Pflanzenreich, IV. **61** (Heft 19): 19 (1904).
- TYPUS: *Corylus Davidiana* Baill. = *O. Davidiana* Decne.
- O. Davidiana** (Baill.) Decaisne, l. c. (1873). — Winkler, op. cit. **20**, fig. 5 (1904). — Schneider in Sargent, Pl. Wilson. **2**: 423 (1916).

**Ostryopsis Davidiana** (continued)

*Corylus Davidiana* Baillon, Hist. Pl. 6: 224, fig. 174 (1877).

- O. nobilis** Balfour & Smith in Notes Bot. Gard. Edinb. 8: 194 (1914).

**CORYLUS** Linnaeus, Sp. Pl. 998 (1753); Gen. Pl. ed. 5, 433, no. 953 (1754).—A. de Candolle in De Candolle, Prodr. 16,2: 129–133 (1864).—Bentham & Hooker f., Gen. Pl. 3: 406 (1883).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 44–56, fig. 13–16 (1904).—Smolianinova in Bull. Appl. Bot. (Pl. Breed.) 21,5: 379–449, 20 fig. (1929).

LECTOTYPUS: *C. Avellana* L.

Sect. I. ACANTHOCHLAMYS Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 108 (1841).

- C. tibetica** Batalin in Act. Hort. Petrop. 13: 102 (1893).—Schneider in Sargent, Pl. Wilson. 2: 443 (1916).

*Corylus ferox* var. *tibetica* Franchet in Jour. de Bot. 13: 200 (1899).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 45 (1904).

- C. spinescens** (*C. Avellana* × *tibetica*) Rehder in Jour. Arnold Arb. 7: 147 (1926).

- C. ferox** Wallich, Pl. As. Rar. 1: 77, t. 87 (1830).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 44, fig. 13 (1904).—Schneider in Sargent, Pl. Wilson. 2: 448 (1916).

Sect. II. AVELLANA Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 101 (1841).

*Corylus* sect. *Tubo-avellana* Spach in op. cit. 106 (1841).

- C. colurna** Linnaeus, Sp. Pl. 999 (1753).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 51, fig. 14c (1904).—Schneider in Sargent, Pl. Wilson. 2: 449 (1916).

*Corylus arborescens* Münchhausen, Hausvat. 5: 142 (1770).  
*Corylus bisantina* Dumont de Courset, Bot. Cult. 6: 431 (1811), pro syn.

*Corylus bizantina* Desfontaines, Tabl. École Bot., ed. 2, 245 (1815), nom.—Noisette, Man. Compl. Jard. 2: 465 (1825).

*Corylus byzantina* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: Cor. no. 8, t. 224, fasc. 38? [1827].—Herm. ex Loudon, Arb. Brit. 3: 2029 (1838), pro syn.

- C. colurna** var. *glandulifera* A. de Candolle in De Candolle, Prodr. 16,2: 132 (1864).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 51 (1904).

- C. colurnoides** (*C. Avellana* × *Colurna*) Schneider, Ill. Handb. Laubh. 1: 145, fig. 83r (1904).

*Corylus Colurna* var. 2. *intermedia* (Lodd.) Loudon, Arb. Brit. 3: 2029 (1838).

*Corylus intermedia* Loddiges Cat. 1836 ex Loudon, l. c. (1838), pro syn.—Rehder in Mitt. Deutsch. Dendr. Ges. 1894(3): 43 (1894), non Fingerhut (1829).

*Corylus avellana* × *colurna* Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 53 (1904).

- C. Jacquemontii** Decaisne in Jacquemont, Voy. Ind. 4: 160, t. 160 (1844).—Schneider in Sargent, Pl. Wilson. 2: 449 (1916).

*Corylus lacera* Wallich, Num. List, no. 2798 [1829], nom.  
*Corylus tiliacea* Jacquemont ex Decaisne in Jacquemont, Voy. Ind. 4: 160 (1844), pro syn.

*Corylus Colurna* var. *lacera* A. De Candolle in De Candolle, Prodr. 16,2: 131 (1864).

*Corylus Colurna* var. *Jacquemontii* A. De Candolle, l. c. (1864), pro syn.

*Corylus Colurna* sensu Brandis, Forest Fl. Brit. Ind. 494 (1874), non Linnaeus (1753).

- C. chinensis** Franchet in Jour. de Bot. 13: 197 (1899).—Schneider, Ill. Handb. Laubh. 2: 896, fig. 560c, 561d (1912); in Sargent, Pl. Wilson. 2: 444 (1916).

*Corylus Colurna* var. *chinensis* Burkill In Jour. Linn. Soc. Lond. Bot. 26: 503 (1899).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 50, fig. 14H, 15 (1904).

- C. Vilmorinii** (*C. Avellana* × *chinensis*) Rehder in Jour. Arnold Arb. 7: 146 (1926).

- C. Avellana** Linnaeus, Sp. Pl. 998 (1753).—A. de Candolle in De Candolle, Prodr. 16,2: 130 (1864).—Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 46 (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 379 (1910).

*Corylus Avellana* a. *sylvestris* Aiton, Hort. Kew. 3: 363 (1789).

*Corylus silvestris* Salisbury, Prodr. Stirp. Chap. Allert. 392 (1796).—Tragus ex Bubani, Fl. Pyrén. 1: 64 (1897) “*sylvester*”.

*Corylus ardua* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: Cor. no. 2, t. 214, fasc. 36? [1826].

*Corylus Avellana* var. *typica* Schneider, Ill. Handb. Laubh. 1: 147 (1904).

- C. Avellana** f. *aurea* (Kirchn.) Schneider, l. c. (1904).

*Corylus Avellana* 3. *aurea* Kirchner in Petzold & Kirchner, Arb. Muscav. 670 (1864) “Spielart.”—Bean in Gard. 54: 349 (1898) “var.”—Ascherson & Graebner in Syn. Mitteleur. Fl. 4: 381 (1910) “lus.”

*Corylus Avellana* *lutescens* Hort. ex Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 47 (1904), pro syn.

- C. Avellana** f. *fusco-rubra* Dippel, Handb. Laubh. 2: 128 (1892).

*Corylus Avellana* “Rotblättrige Waldnuss” Göschke, Haselnuss, 46, t. 4 (1887).

*Corylus Avellana* lus. *atripurpurea* sensu Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 381 (1910), non Kirchner (1864).

*Corylus Avellana* var. *purpurea* Bean, Trees Shrubs Brit. Isl. 1: 401 (1914), non Loudon (1838).

- C. Avellana** f. *heterophylla* (Loud.), grad. nov.

*Corylus urticifolia* Noisette, Man. Compl. Jard. 464 (1825).

*Corylus Avellana* var. 3. *heterophylla* (Lodd.) Loudon, Arb. Brit. 3: 2017 (1838).

*Corylus heterophylla* Loddiges, Cat. 1836 ex Loudon, l. c. (1838), pro syn.

*Corylus Avellana* b) *laciniata* Döll, Rhein. Fl. 273 (1843).

—Kirchner in Petzold & Kirchner, Arb. Muscav. 670 (1864) “(f.)”—M. L. Neuman, Sverig. Fl. 594 (1901)

“var.”—Nordsted in Bot. Notiser, 1915: 247 (1915).

*Corylus Avellana* β. *urticifolia* (hort.) A. de Candolle in De Candolle, Prodr. 16,2: 131 (1864).—Schneider, Ill. Handb. Laubh. 1: 147, fig. 83d (1904) “f.”—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 381 (1910) “lus.”

*Corylus avellana* 5. *quercifolia* Booth Cat. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 670 (1864).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 670 (1910)

“lus.”

*Corylus Avellana* var. *incisa pinnatifida* Hort. ex Winkler

- in Engler, Pflanzenreich, IV. **61**(Heft 19): 47 (1904), pro syn.
- C. Avellana** f. **pendula** (Göschke) Dippel, Handb. Laubh. **2**: 128 (1892) "(f.) b." — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 47 (1904).
- Corylus Avellana* "Trauer-Hasel" Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **10**: 377 (1867).
- Corylus Avellana* var. **pendula** Jäger in Jäger & Beissner, Ziergeh. ed. 2, **110** (1884). — Hort. ex Göschke, Haselnuss, **49**, t. 7 (1887) "*C. A. p.*" — Schneider, Ill. Handb. Laubh. **1**: 148 (1904).
- C. Avellana** f. **contorta** (Bean), grad. nov.
- Corylus Avellana* var. **contorta** Bean in Garden, **54**: 349 (1898); Trees Shrubs Brit. Isles, **1**: 401 (1914).
- C. Avellana** var. **grandis** Aiton, Hort. Kew. **3**: 363 (1789) "δ." — Poirer, Encycl. Méth. Bot. **4**: 496 (1798) "γ. *C. grandis*". — A. de Candolle, in De Candolle, Prodr. **16,2**: 131 (1864) "g."
- Corylus avellana* c. **maxima** Audibert, Cat. Vég. Cult. Audibert, **15** (1817), nom. subnud.
- Corylus grandis* ex Audibert, l. c. (1817), pro syn.
- Corylus Avellana* var. **barcelonensis** Loddiges, Cat. ed. 1836 ex Loudon, Arb. Brit. **3**: 2018 (1838).
- Corylus Avellana* var. **sphaerocarpa** Reichenbach, Icon. Fl. Germ. **12**: 5, t. 638, f. 1302 (1850).
- Corylus Sereny-ana* Pluskal in Oester. Bot. Zeitschr. **2**: 395 (1852).
- C. Avellana** var. **pontica** (K. Koch) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 47 (1904).
- Corylus pontica* K. Koch in Linnaea, **6**: 329 (1849). — Bobrov in Komarov, Fl. S. S. S. R. **5**: 266 (1936).
- Corylus byzantina* hort. ex Bobrov, l. c. (1934), pro syn.
- Corylus imeretica* Kemularia-Natadze in Trav. Inst. Bot. Tbilissi, **1**: 111 (1934).
- C. americana** Marshall, Arbust. Am. **37** (1785). — Walter, Fl. Carol. **236** (1788). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 47, fig. 14c (1904).
- Corylus americana humilis* Wangenheim, Beytr. Deutsch. Holzger. Forstwiss. Nordam. Holz. **88**, t. 29, fig. 63 (1787).
- Corylus humilis* Willdenow, Berlin. Baumz. ed. 2, **108** (1811).
- Corylus calyculata* Dippel, Handb. Laubh. **2**: 132 (1892); cf. Göschke, Haselnuss, t. 74 (1887).
- C. americana** f. **missouriensis** (A. de Candolle) Fernald in Rhodora, **34**: 96 (1932).
- Corylus americana* β. **missouriensis** A. de Candolle in De Candolle, Prodr. **16,2**: 132 (1864).
- C. heterophylla** Fischer ex Trautvetter, Pl. Imag. Descr. Fl. Ross. **10**, t. 4 (1844). — Turczaninov in Bull. Soc. Nat. Moscou, **27,1**: 407 (1854); Fl. Baical.-Dahur. **2**: 134 (1856). — A. de Candolle in De Candolle, Prodr. **16,2**: 130 (1864). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 48, fig. 14b (1904). — Schneider in Sargent, Pl. Wilson. **2**: 450 (1916).
- Corylus Avellana* sensu Thunberg, Fl. Jap. **160** (1784), non Linnaeus (1753).
- Corylus heterophylla* Fischer ex Turczaninov in Shcheglov, Ukaz. Otkr. Fizik. Khim. Estestv. Ist. Tekhn. **8**(3): 411 (1831), nom.; Flora, **17**, Beibl. **1**: 24 (1834); in Bull. Soc. Nat. Moscou, **1838**(11): 101 (1838), nom.
- ?*Corylus mongolica* Burchardt in Verh. Ver. Beförd. Gartenb. Preuss. **9**: 108 (1833), descr. incompl.
- Corylus tetraphylla* Ledebour in Denkschr. Bayer. Bot. Ges. Regensb. **3,2**: 58 (Comment. Gmelin, Fl. Sibir. **319**) (1841), sphalm. pro *C. heterophylla*; Fl. Ross. **3,2**: 588 (1850), pro syn.
- Corylus Hasibami* Siebold in Jaarb. Nederl. Maatsch. Ammoed. Tuinb. **1844**: 27 (Kruidk. Naaml.) (1844), nom.
- Corylus Avellana* β. **davurica** Ledebour, Fl. Ross. **3,2**: 588 [1850].
- Corylus heterophylla* var. **Thunbergii** Blume, Mus. Bot. Lugd.-Bat. **1**: 310 (1850).
- C. heterophylla** var. **sutchuenensis** Franchet in Jour. de Bot. **13**: 199 (1899). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 48 (1904) "var. β. *sutchuenensis*". — Schneider in Sargent, Pl. Wilson. **2**: 444 (1916).
- Corylus heterophylla* var. **crista-galli** Burkill in Jour. Linn. Soc. Lond. Bot. **26**: 504 (1899). — Winkler in op. cit. **49** (1904) "var. δ."
- C. heterophylla** var. **yunnanensis** Franchet in Jour. de Bot. **13**: 198 (1899). — Winkler in op. cit. **48** (1904) "var. γ." — Schneider in Sargent, Pl. Wilson. **2**: 451 (1916).
- C. maxima** Miller, Gard. Dict. ed. 8, C. no. 3 (1768). — Spach in Ann. Sci. Nat. Bot. sér. 2, **16**: 106 (1841). — Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 51 (1904).
- Corylus Avellana* var. **sativa** C. F. Ludwig, Neu. Wilde Baumz. **14** (1783), nom.
- Corylus arborescens* sensu Gärtner, Meyer & Scherbius, Oecon.-tech. Fl. Wetterau, **3**: 376 (1801), p. p. quoad var.; non Münchhausen (1767).
- Corylus tubulosa* Willdenow, Sp. Pl. **4,1**: 470 (1805). — Reichenbach, Icon. Fl. Germ. **12**: 5, t. 637, fig. 1301 (1850).
- Corylus intermedia* Fingerhut in Linnaea, **4**: 384 (1829).
- Corylus Avellana* var. **11. Lamberti** (Loddiges Cat. 1836) Loudon, Arb. Brit. **3**: 2018 (1838).
- Corylus Avellana* var. **5. tubulosa** Loudon l. c. (1838). — Kuntze, Taschenfl. Leipz. **237** (1867).
- Corylus Avellana* var. **6. tubulosa alba** (Ait.) Loudon, l. c. (1838).
- Corylus maxima* var. **a. alba** (Lodd.) Schneider, Ill. Handb. Laubh. **1**: 149 (1904).
- C. maxima** f. **purpurea** (Loud.), grad. nov.
- Corylus avellana* var. **4. purpurea** (Loddiges) Loudon, Arb. Brit. **3**: 2017 (1838).
- Corylus purpurea* Loddiges, Cat. 1836 ex Loudon, l. c. (1838), pro syn.
- Corylus atropurpurea* Hort. ex Loudon, l. c. (1838), pro syn.
- Corylus tubulosa* β. **purpurea** (Audib. Cat.) Spach in Ann. Sci. Nat. Bot. sér. 2, **16**: 107 (1841).
- "*Lopima atropurpurea*" Dochnahl, Sich. Führ. Obstk. **4**: 49 (1860).
- Corylus Avellana* **2. atropurpurea** Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. **670** (1864).
- Corylus tubulosa* β. **atropurpurea** A. De Candolle in De Candolle, Prodr. **16,2**: 132 (1864).
- Corylus maxima* f. **atropurpurea** (Dochnahl) Winkler in Engler, Pflanzenreich, IV. **61**(Heft 19): 47 (1904).
- C. maxima** var. **rubra** [Ait.] Schneider, Ill. Handb. Laubh. **1**: 149 (1904).
- Corylus avellana* γ. **rubra** Aiton, Hort. Kew. **3**: 863 (1789). — Lamarck, Encycl. Méth. Bot. **5**: 496 (1804).
- Corylus rubra* Borkhausen, Theor.-prakt. Handb. Forstbot. **1**: 723 (1800).

**Corylus maxima** var. **rubra** (*continued*)

*Corylus sativa* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: Cor. no. 4, t. 11, fasc. 2 [1807], exclud. fr. albo.

*Corylus tubulosa* b. *rubra* Audibert, Cat. Vég. Cult. Audibert, 15 (1817), nom.

*Corylus maxima* var. *rubra* f. *normalis* Schneider, Ill. Handb. Laubh. 1: 149 (1904).

**C. Sieboldiana** Blume, Mus. Bot. Lugd.-Bat. 1: 310 (1850). — Nakai, Fl. Sylv. Kor. 2: 12, t. 4 (1915). — Schneider in Sargent, Pl. Wilson. 2: 452 (1916).

*Corylus heterophylla* var. *Sieboldiana* A. de Candolle in De Candolle, Prodr. 16,2: 113 (1864).

*Corylus rostrata* var. *Sieboldiana* Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 538 (in Mém. Biol. 11: 319. 1881) (1882). — Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 52, fig. 16b (1904).

*Corylus Sieboldiana* a. *typica* Nakai, Fl. Sylv. Kor. 2: 13 (1915).

**C. Sieboldiana** var. **mandshurica** (Maxim. & Rupr.) Schneider in Sargent, Pl. Wilson. 2: 454 (1916).

*Corylus mandshurica* Maximowicz & Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 137 (in Mém. Biol. 2: 431. 1856) (1857). — Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 241 (Prim. Fl. Amur.) (1859). — Nakai, Fl. Sylv. Kor. 2: 11, t. 3 (1915).

*Corylus rostrata* var. *mandshurica* Regel in Bull. Acad. Sci. St. Pétersb. 15: 221 (in Mém. Biol. 2: 488. 1856) (1857). — Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 52, fig. 14e (1904).

**C. cornuta** Marshall, Arbust. Am. 37 (1785). — Rehder, Man. Cult. Trees Shrubs, 155 (1927).

*Corylus cornuta* Gordon & Dermer ex C. F. Ludwig, Neu. Wilde Baumz. 14 (1783), nom. — Yong [William Young, Jr.], Cat. Arb. Arbust. Pl. Herb. Am. 7 [1783], nom.

*Corylus rostrata* Aiton, Hort. Kew. 3: 364 (1789). — A. de Candolle in De Candolle, Prodr. 16,2: 133 (1864). — Gray, Man. Bot. N. U. S. 473 (1848). — Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 51 (1904, var. a. — e. exclud.

**C. californica** (A. DC.) Rose in Gard. & Forest, 8: 263 (1895). — Heller in Bull. Torrey Bot. Club, 25: 580 (1898).

*Corylus californica* Hort. ex K. Koch, Dendr. 2,2: 15 (1873), nom.

*Corylus rostrata* β. *californica* A. de Candolle in De Candolle, Prodr. 16,2: 133 (1864). — Winkler in Engler, Pflanzenreich, IV. 61 (Heft 19): 52, fig. 14d (1904) "var. γ".

Fam. **FAGACEAE****FAGACEAE** [Reichenb.] A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 62, 615 (1864).

*Castaneae* Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 491 (1770), p. p. typ.; nom. subnud.

*Amentaceae* P. F. Gmelin, Otia Bot. 49, 90 (1760), p. p. *Cupuliferae* [L. C. Richard, Demonstr. Bot. Anal. Fruit, 32, 92 (1808) "Cupulifères". —] Lindley, Introd. Nat. Syst. Bot. 97 (1830), p. p.

*Corylaceae* Mirbel, Elém. Phys. Vég. 2: 906 (1815), p. p. quoad *Fagus*. — Horaninov, Prim. Lin. Syst. Nat. 63 (1834), p. p.

*Quercineae* Jussieu ex Lindley, l. c. (1830), pro syn. [Jussieu in Dict. Sci. Nat. 2 (Suppl.): 12 (1816) "fam.

Quercineae.] — Presl, Wseob. Rostlin. 2: 1391 (1846) "Presl (1820)", p. p. typ.

*Amentaceae* c. *Corylaceae* Agardh, Aphor. Bot. 208 (1825), p. p. quoad *Fagus*.

*Amentaceae* a. *Fagineae* Reichenbach, Consp. Reg. Veg. 83 (1828), nom. subnud., exclud. *Corylus*.

*Quercaceae* Pfeiffer, Synon. Bot. 121 (1870), nom. subnud.

*Castaneaceae* [Baillon in Adansonia, 12: 1 (1876) "Castanéacées". —] Koidzumi in Bot. Mag. Tokyo, 30: 94 (1916). — Non Link (1821).

*Castanéacées* III. *Quercineae* Baillon, Hist. Nat. 6: 256 (1877).

**NOTHOFAGUS** Blume, Mus. Bot. Lugd.-Bat. 1: 307 (1850). — Oersted in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, 9: 354 (Bidr. Kundsk. Egefam. 24) (1871). — Krasser in Ann. Naturh. Hofmus. Wien, 11: 162 (Bemerk. Syst. Buch.) (1896). "Nothofagus." — An sphalm. pro *Notofagus*? Cf. Rehder, Man. Cult. Trees Shrubs, ed. 2, 146 (1940). *Lophozonia* Turczaninov in Bull. Soc. Nat. Moscou, 31,1: 396 (1858).

*Fagus* sect. *Eufagus* A. de Candolle in De Candolle, Prodr. 16,2: 118 (1864), p. p.

*Fagus* sect. *Nothofagus* A. de Candolle in op. cit. 121 (1864). — Bentham & Hooker f., Gen. Pl. 3: 410 (1880).

LECTOTYPUS: *Fagus obliqua* Mirb. = *N. obliqua* (Mirb.) Oerst.

**N. fusca** (Hook. f.) Oersted in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, 9: 355 (Bidr. Kundsk. Egefam.) (1871).

*Fagus fusca* Hooker f., Fl. Nov.-Zel. 1: 229 [1854].

**N. betuloides** (Mirb.) Oersted in op. cit. 354 (1871).

*Betula antarctica* Solander ex Forster in Comm. Soc. Sci. Gotting. 9: 45 (1787), nom. [in herb. Banks].

*Fagus betuloides* Mirbel in Mém. Mus. Hist. Nat. Paris, 14: 469, t. 25 (6) (1827).

*Fagus dubia* Mirbel in op. cit. 471, t. 26 (7) (1827).

*Fagus Forsteri* Hooker in Jour. Bot. (Hooker) 2: 156, t. 8 (1840).

*Calusparassus Forsteri* Hombron & Jacquinot, Bot. Phan. [Atl.] t. 6 (1852); Decaisne, Descript. Pl. Vasc. 20 (1853), pro syn. (in Dumont d'Urville, Voy. Pôle Sud). *Calusparassus betuloides* Hombron & Jacquinot, op. cit. t. 7 (1852); Decaisne, l. c. (1853), pro syn.

**N. cliffortioides** (Hook. f.) Oersted in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, 9: 355 (Bidr. Kundsk. Egefam.) (1871).

*Fagus cliffortioides* Hooker f. in Hooker's Icon. Pl. 7: t. 673 (1844); Fl. Nov.-Zel. 1: 230 [1854].

**N. Dombeyi** (Mirb.) Oersted in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, 9: 354 (Bidr. Kundsk. Egefam.) (1871).

*Fagus Dombeyi* Mirbel in Mém. Mus. Nat. Hist. Paris, 14: 467, t. 24(5) (1827). — A. de Candolle in De Candolle, Prodr. 16,2: 121 (1864).

**N. antarctica** (Forst.) Oersted in op. cit. 354 (1871).

*Fagus antarctica* Forster in Comment. Reg. Soc. Sci. Gotting. 9: 42 [sphalm. 24] (1787). — Hooker f., Fl. Antart. 2: 345, t. 123 (1846). — A. de Candolle in De Candolle, Prodr. 16,2: 120 (1864).

*Calucechinus antarctica* Hombron & Jacquinot, Bot. Phan. [Atl.] t. 6, 7 (1852); Decaisne, Descr. Pl. Vasc. 19 (1853), pro syn. (in Dumont d'Urville, Voy. Pôle Sud).



- Calucechinus Montagni* Hombron & Jaquinot, op. cit. t. 8 (1852); Decaisne, l. c. (1853), pro syn.  
*Fagus Montagnei* Philippi in Linnaea, **29**: 45 (1857).
- N. obliqua** (Mirb.) Oersted in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, **9**: 354 (Bidr. Kundsk. Egefam. 24) (1871).  
*Fagus obliqua* Mirbel in Mém. Mus. Hist. Nat. Paris, **14**: 465, t. 23(4) (1827).—A. de Candolle in De Candolle, Prodr. **16**: 121 (1864).
- N. procera** (Poepp. & Endl.) Oersted, l. c. (1871).  
*Fagus procera* Poeppig & Endlicher, Nov. Gen. Sp. Pl. **2**: 69, t. 197 (1838).—A. de Candolle in De Candolle, Prodr. **16**: 121 (1864).
- FAGUS** Linnaeus, Sp. Pl. 997 (1753), sp. nonnull. exclud.; Gen. Pl. ed. 5, 432, no. 951 (1754).  
*Fagus* sect. *Eufagus* A. de Candolle in De Candolle, Prodr. **16**: 118 (1864), p. p. typ.—Bentham & Hooker f., Gen. Pl. **3**: 410 (1880).  
 LECTOTYPUS: *F. sylvatica* L.
- F. grandifolia** Ehrhart, Beitr. Naturk. **3**: 23 (1783).—Sargent, Man. Trees N. Am. ed. 2, 228, fig. 215 (1922).  
*Fagus americana latifolia* Münchhausen, Hausvat. **5**: 162 (1770).  
*Fagus sylvatica* c. *Americana latifolia* Du Roi, Harbk. Baumz. **1**: 269 (1771).  
*Fagus Americana* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. **19** (1783), nom.  
 ?*Fagus sylvatica* var. *latifolia* C. F. Ludwig, l. c. (1783), nom.  
*Fagus sylvatica atropunicea* Marshall, Arbust. Am. **46** (1785), non Weston (1770).  
*Fagus ferruginea* Aiton, Hort. Kew. **3**: 362 (1789).—Michaux f., Hist. Arb. For. Am. Sept. **2**: 174, t. 9 (1812).  
*Fagus alba* Rafinesque, Fl. Ludovic. **131** (1817); New Fl. N. Am. **3**: 80 [1838].  
*Fagus sylvatica* β. *americana* Nuttall, Gen. N. Am. Pl. **2**: 216 (1818).  
*Fagus americana* Sweet, Hort. Brit. **370** (1826).—Sargent, Silva N. Am. **9**: 27, t. 444 (1896).  
*Fagus heterophylla* Rafinesque, New Fl. N. Am. **3**: 80 [1838].  
*Fagus ferruginea* var. *latifolia* Loudon, Arb. Brit. **3**: 1918, fig. 1916 (1838).  
*Fagus castanaefolia* C. de Vos, Handb. Boom. Heest. ed. **2**, 72 (1887).  
*Fagus atropunicea* (Marsh.) Sudworth in Bull. Torrey Bot. Club, **20**: 42 (1893).  
*Fagus latifolia* (Münchh.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 148 (Nomencl. Arb. Fl. U. S.) (1897).  
*Fagus grandifolia* var. *typica* Rehder in Mitt. Deutsch. Dendr. Ges. **1907**(16): 70 (1908).
- F. grandifolia** f. *pubescens* Fernald & Rehder in Rhodora, **9**: 111 (1907).
- F. grandifolia** var. *caroliniana* (Loud.) Fernald & Rehder, l. c. (1907).  
*Fagus sylvestris* Michaux f., Hist. Arb. For. Am. Sept. **2**: 170, t. 8 (1812).—Hooker, Fl. Bor.-Am. **2**: 159 (1839).—Non Gaertner (1788).  
*Fagus rotundifolia* Rafinesque in Atlant. Jour. no. **6**: 177 (1833); Herb. Rafinesque **22** (1833); New Fl. N. Am. **3**: 81 [1838].  
*Fagus nigra* Rafinesque, l. c. [1838].
- Fagus ferruginea* var. *caroliniana* Loudon, Arb. Brit. **3**: 1980, fig. 1915 (1838).
- F. sylvatica** Linnaeus, Sp. Pl. 998 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 435 (1911) "*sylvatica*."  
*Fagus sylvatica* a. *vulgaris* Aiton, Hort. Kew. **3**: 362 (1789).—Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 66 (1932) "*F. silv.* var. *typica* f. v."  
*Fagus echinatus* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) **2**: 396 (1792).  
*Fagus sylvestris* Gaertner, Fruct. Sem. **1**: 182, t. 37, fig. 2 (1788).  
*Fagus sylvatica* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 153 (1904).
- F. sylvatica** f. *atropunicea* (Weston) Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 70 (1932).  
*Fagus sylvatica* var. *atro-punicea* Weston, Bot. Univ. **1**: 107 (1770).—Rehder, Man. Cult. Trees Shrubs, 157 (1927).  
*Fagus sylvatica foliis atro-rubentibus* Du Roi, Harbk. Baumz. **1**: 268 (1771).  
*Fagus sylvatica* β. *purpurea* Aiton, Hort. Kew. **3**: 362 (1789).—A. de Candolle in De Candolle, Prodr. **16**: 119 (1864) "*ε. colorata* subvar. *p.*"—Schneider, Ill. Handb. Laubh. **1**: 154 (1904) "*f.*"—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 438 (1911) "*lus.*"  
*Fagus sylvatica* β. *sanguinea* Persoon, Syn. Pl. **2**: 571 (1807).  
*Fagus sylvatica* var. *F. aenea* Dumont de Courset, Bot. Cult. **6**: 415 (1811).  
*Fagus atro-rubens* Duroi ex Endlicher, Gen. Pl. Suppl. **4**: 29 (1847), pro syn.  
*Fagus sylvatica* var. *cuprea* Loudon, Arb. Brit. **3**: 1951 (1838).—A. de Candolle in De Candolle, Prodr. **16**: 119 (1864) "*ε. colorata* subvar. *c.*"  
*Fagus sylvatica* var. β. *hepatica* Ambrosi, Fl. Tirol. Merid. **2**: 59 (1857).  
*Fagus sylvatica* (f.) *atropurpurea* Kirchner in Petzold & Kirchner, Arb. Muscav. **660** (1864).  
*Fagus sylvatica atro-rubens* Du Roi ex Kirchner, op. cit. **661** (1864), pro syn.  
*Fagus sylvatica atropurpurea macrophylla* [hort. ex] Kirchner, op. cit. **661** (1864), ? pro syn.  
*Fagus sylvatica* var. *purpurea* Riversi hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 570 (1900); in Bailey, Stand. Cycl. Hort. **3**: 1203 (1915) "*F. s.* var. *Riversii* Hort."
- F. sylvatica** f. *tricolor* Simon-Louis ex K. Koch, Dendr. **2**: 18 (1873) "(f.)."  
*Fagus tricolor* André in Rev. Hort. **1885**: 311 (1885).  
*Fagus sylvatica atropurpurea tricolor* hort. ex Pynaert in Rev. Hort. Belg. **12**: 145, t. (1886).
- F. sylvatica** f. *roseo-marginata* [Cripps] Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 71 (1932).  
*Fagus purpurea roseo-marginata* Cripps ex Gard. Chron. ser. 3, **3**: 779 (1888).  
*Fagus sylvatica atropurpurea foliis roseo-marginatis* W. Lange in Ill. Monatsh. Gartenb. **7**: 289, t. (1888).  
*Fagus sylvatica* var. *cuprea* (subvar.) *roseo-marginata* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 8 (1896).
- F. sylvatica** f. *Zlatia* (Späth) Schelle in Beissner et al., Handb. Laubh.-Ben. **62** (1903) "(f.)."—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 439 (1911) "*lus. slatia.*"  
*Fagus sylvatica Zlatia* Späth, Haupt-Kat. (1892) ex Goeze in Gard. Chron. ser. 3, **12**: 669 (1892).

**Fagus** (continued)

- F. sylvatica** f. *luteo-variegata* (West.) Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 71 (1932).  
*Fagus sylvatica* var. *luteo-variegata* Weston, Bot. Univ. **1**: 107 (1770).  
*Fagus sylvatica aurea variegata* E. S. in Gard. Chron. ser. 3, **26**: 434 (1899).  
*Fagus sylvatica* f. *aureo-variegata* Schneider, Ill. Handb. Laubh. **1**: 154 (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 439 (1911) "*lus. aurei-variegata*."
- F. sylvatica** f. *albo-variegata* (West.) Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 71 (1932).  
*Fagus sylvatica* var. *albo-variegata* Weston, Bot. Univ. **1**: 107 (1770).  
*Fagus sylvatica* var. *argenteo-variegata* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 9 (1906).  
*Fagus sylvatica albo-marginata* E. S. in Gard. Chron. ser. 3, **26**: 434 (1899).
- F. sylvatica** f. *laciniata* (Vignet) Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 69 (1932).  
*Fagus sylvatica* var. *laciniata* Vignet in F. W. Schmidt, Samml. Phys.-Oekon. Aufs. **1**: 173, t. 1 (1795) ex Trans. Linn. Soc. Lond. **5**: 232 (1800).  
*Fagus sylvatica* var. *heterophylla* Lodd. ex Loudon, Arb. Brit. **3**: 1951, f. 1875, 1876 (1838).  
*Fagus sylvatica incisa* Hort. ex Loudon, l. c. (1838), pro syn.
- F. sylvatica** f. *asplenifolia* [Duchartre] Schneider, Ill. Handb. Laubh. **1**: 153, fig. 91m (1904).  
*Fagus sylvatica asplenifolia* Duchartre in Jacques & Herincq, Man. Pl. **4**: 237 (1857).  
*Fagus sylvatica* (f.) *comptoniaefolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 661 (1864).  
*Fagus sylvatica salicifolia* Hort. ex Loudon, Arb. Brit. **3**: 1951 (1838), pro syn.
- F. sylvatica** f. *Rohanii* (Koerber) Schneider, Ill. Handb. Laubh. **2**: 898 (1912).  
*Fagus sylvatica* var. *atropurpurea Rohani* Koerber in Fromme's Oester.-Ungar. Gartenkalender, **19**: 1 März (1894); in Gartenfl. **43**: 328 (1894).  
*Fagus sylvatica Rohani* W. Mašek in Mitt. Deutsch. Dendr. Ges. **1905**(14): 196 (1905).
- F. sylvatica** f. *quercifolia* Schneider, Ill. Handb. Laubh. **1**: 154 (1904).  
*Fagus sylvatica* (f.) *quercoides* Booth Cat. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 662 (1864).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 9 (1906) "var."—Non Persoon (1800).  
*Fagus sylvatica* var. *quercifolia* Lavallée, Arb. Segrez. **211** (1877), nom.—Schelle in Beissner et al., Handb. Laubh.-Ben. **62** (1903), nom. "(f.)."  
*Fagus quercifolia* hort. ex Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 69 (1932), pro syn.
- F. sylvatica** f. *quercoides* (Persoon) Domin in op. cit. **67** (1932) "*F. silv.* var. *typica* f. *q.*"  
*Fagus sylvatica* var. *quercoides* Persoon in Trans. Linn. Soc. Lond. **5**: 233, t. 11 (1800).—A. de Candolle in De Candolle, Prodr. **16**: 119 (1864) "*δ.*"—Pape in Mitt. Deutsch. Dendr. Ges. **1924**(34): 289, t. 31 [1925].
- F. sylvatica** f. *cristata* [Loud.] Schelle in Beissner et al., Handb. Laubh.-Ben. **62** (1903) "(f.)."—Schneider, Ill. Handb. Laubh. **1**: 154 (1904).  
*Fagus sylvatica* var. *F. cristata* Dumont de Courset, Bot. Cult. **6**: 415 (1811).  
*Fagus sylvatica* var. *cristata* (Lodd.) Loudon, Arb. Brit. **3**: 1952, fig. 1877 (1838).  
*Fagus sylvatica* 4b. *crispa* Kuntze, Taschenfl. Leipzig, 239 (1867).
- F. sylvatica** f. *rotundifolia* (Jackman), grad. nov.  
*Fagus sylvatica rotundifolia* Jackman ex Gard. Mag. (Hibberd) **37**: 339, fig. (1894).—Beissner in Mitt. Deutsch. Dendr. Ges. **1904**(13): 140 [1905].—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 10 (1906) "var."  
*Fagus latifolia* Hort. ex Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 68 (1932) pro syn.; non Sudworth (1891).
- F. sylvatica** f. *latifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 662 (1864) "(f.)."—Schneider, Ill. Handb. Laubh. **1**: 154 (1904).—Suringar in Nederl. Dendr. Vereen. Jaarb. **1928**: 90, fig. (1928); **1930**: 177, fig. (1930) "var."  
*Fagus sylvatica* g. *macrophylla* Dippel, Handb. Laubh. **2**: 52 (1892), non A. de Candolle (1864).
- F. sylvatica** f. *fastigiata* Simon-Louis ex K. Koch, Dendr. **2**: 17 (1873) "(f.)."—Bean, Trees Shrubs Brit. Isl. **1**: 552 (1914) "var."  
*Fagus sylvatica* a. *pyramidalis* Hort. ex Dippel, Handb. Laubh. **2**: 51 (1892), non Kirchner (1864).  
*Fagus sylvatica Dawyckii* Hesse, Preis-liste Baumschul. Weener, **1914-15**: 121, t. 6 (1914).
- F. sylvatica** f. *purpureo-pendula* (Rehd.), grad. nov.  
*Fagus sylvatica* var. *purpurea pendula* Jäger, Ziergeh. **225** (1865).  
*Fagus sylvatica pendula purpurea* Graebener in Mitt. Deutsch. Dendr. Ges. **1911**(20): 255 (1911).  
*Fagus sylvatica* var. *purpureo-pendula* Rehder, Man. Cult. Trees Shrubs, 158 (1927).
- F. sylvatica** f. *pendula* [Loud.] Schelle in Beissner et al., Handb. Laubh.-Ben. **61** (1903) "(f.)."—Hegi, Ill. Fl. Mittel-Eur. **3**: 98 [1910].  
*Fagus sylvatica* var. *7. pendula* (Loddiges) Loudon, Arb. Brit. **3**: 1952; **8**: t. 284 (1838).—A. de Candolle in De Candolle, Prodr. **16**: 119 (1864) "*θ.*"—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 437 (1911) "*lus.*"  
*Fagus sylvatica remillyensis* Simon-Louis, Cat. **1868/69**: ? (1868).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 10 (1906) "var."  
*Fagus sylvatica retroflexa* hort. ex Dippel, Handb. Laubh. **2**: 51 (1892), pro syn.  
*Fagus sylvatica* f. *pendula remillyensis*, f. *p. bornyensis*, f. *p. retroflexa* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **61** (1903), nom.  
*Fagus sylvatica* var. *miltonensis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 10 (1906), nom. subnud.
- F. sylvatica** f. *tortuosa* [Pépin] Hegi, Ill. Fl. Mitteleur. **3**: 98 [1910].  
*Fagus sylvatica tortuosa* Pépin in Rev. Hort. **1861**: 84 (1861).—Matthieu, Fl. Forest. **206** (1858) "*F. sylv.* var. *a. Hêtre parasol*"; ed. 3, 273 (1877) "*F. sylv. a. 'Hêtre tortillard.'*"—Willkomm, Forstl. Fl. **439** (1875) "*var. t. hort.*"—Carrière in Rev. Hort. **1877**: 374, fig. 68 (1877) "*Hêtre monstrueux.*"—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **1**: 10 (1906) "*var. t.*"—Rouy, Fl. France, **12**: 307 (1912) "*F. silv.* race *F. tortuosa*"—Lange in Mitt. Deutsch. Dendr. Ges. **1915** (24): 301, t. 32 [1916] "*F. silv. tortuosa*" in tab. tantum.  
*Fagus sylvatica pagnyensis* Simon-Louis, Cat. **1868-9**: ?

- (1868).—Henry in Elwes & Henry, *Trees* Gt. Brit. Irel. **1**: 10 (1906), nom.
- Fagus sylvatica suntalensis* hort. ex Beissner in Mitt. Deutsch. Dendr. Ges. **1897**(6): 84 (1897).
- Fagus sylvatica* (f.) *sünteliensis* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **61** (1903), nom.—Wehrhahn in Möller's Deutsch. Gärt.-Zeit. **17**: 579, 3 fig. (p. 580-1) (1902) "Süntelbuche."
- Fagus sylvatica* f. *pendula pagnyensis* Schelle in op. cit. **61** (1903).
- Fagus tortuosa* hort. ex Domin in Bull. Intern. Acad. Tchèque Sci. **33**: 72 (1932), pro syn.
- F. orientalis** Lipsky in Act. Hort. Petrop. **14**: 301 (1897).—E. Wulff in Komarov, Fl. S. S. R. **5**: 355, t. 19, fig. 1, 4 (1936).
- Fagus sylvatica* β. *macrophylla* Hohenacker ex A. de Candolle in De Candolle, Prodr. **16,2**: 119 (1864).
- Fagus sylvatica* γ. *Asiatica* A. de Candolle, l. c. (1864), p. p.
- Fagus asiatica* Winkler, Pflanzegeog. Stud. Buchenwald, **5** (1901).
- Fagus Hohenackerana* Palibin in Bull. Herb. Boissier, **8**: 378 (1908).
- Fagus macrophylla* (DC.) Koidzumi in Bot. Mag. Tokyo, **30**: 95 (1916).
- Fagus Winkleriana* Koidzumi, l. c. (1916).
- Fagus Hohenackeri* Palibin ex Grossheim, Fl. Kauk. **2**: 21 (1930).
- F. crenata** Blume, Mus. Bot. Lugd.-Bat. **1**: 307 (1850).—Koidzumi in Bot. Mag. Tokyo, **40**: 342 (1926).
- Fagus Sieboldii* Endlicher, Gen. Pl. Suppl. **4,2**: 29 (1847), nom.—A. de Candolle in De Candolle, Prodr. **16,2**: 119 (1864).—Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, **2**: 1, t. 32 (1925).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 149 (1940).
- Fagus sylvatica* γ. *Asiatica* A. de Candolle in De Candolle, Prodr. **16,2**: 119 (1864), p. p.
- Fagus sylvatica* δ. *Sieboldi* Maximowicz in Bull. Acad. Sci. St. Pétersb. **31**: 101; (in Mém. Biol. **12**: 543. 1887) (1886).—Miyoshi, Atl. Jap. Veget. **2**: 4, t. 10 (1905).
- F. lucida** Rehder & Wilson in Sargent, Pl. Wilson. **3**: 191 (1916).—Hu in Jour. Arnold Arb. **12**: 151 (1931); in Hu & Chun, Icon. Pl. Sin. **3**: 130, t. 130 (1933).—Chien, Icon. Chin. Forest Trees, **1**: t. 12 (1937).
- F. longipetiolata** Seemen in Bot. Jahrb. **23**, Beibl. **57**: 56 (1897).—Hu in Hu & Chun, Icon. Pl. Sin. **1**: 17, t. 17 (1927).
- Fagus sylvatica* var. *longipes* Oliver in Hooker's Icon. Pl. **20**: t. 1936 (1890), in textu.
- Fagus sinensis* Oliver, l. c. (1890) nom. in tab. tantum.
- Fagus longipes* Léveillé, Fl. Kouy-tchéou, 126 (1914).
- F. Engleriana** Seemen in Bot. Jahrb. **29**: 285, fig. a-d (1900).
- Fagus sylvatica* var. *chinensis* Franchet in Jour. de Bot. **13**: 201 (1899).
- F. japonica** Maximowicz ex Nathorst in Svenska Vetensk.-Akad. Handl. Bihang, **9,18**: 8 (1885), nom.—Maximowicz in Bull. Acad. Sci. St. Pétersb. **31**: 101 (in Mém. Biol. **12**: 542. 1887) (1886).—Schneider, Ill. Handb. Laubh. **1**: 155, fig. 91a-a<sup>2</sup> (1904).
- CASTANEA** Miller, Gard. Dict. abridg. ed. **4**, **1** (1754); Gard. Dict. ed. **7** (1759); ed. **8** [p. 196] (1768).—Gaertner, Fruct. Sem. **1**: 181 (1788).—Camus, Chât.
- aign. Monog. Castanea Castanopsis, 12-241 (1929); Atl. t. 1-22, 73-75 (1928).
- Fagus* Linnaeus, Sp. Pl. 997 (1753), p. p.—Jussieu, Gen. Pl. 409 (1789), p. p.
- Fagus-Castanea* Weston, Bot. Univ. **1**: 107 (1770).—Marshall, Arbust. Am. **46** (1785).
- Castanophorum* Necker, Elem. Bot. **3**: 257 (1790).
- Castanea* subgen. *Eucastanea* Koehne, Deutsche Dendr. **121** (1893).—Prantl in Nat. Pflanzenfam. III. **1**: 55 (1894) "sect."
- Castanea* sect. *Eucastanea*, sect. *Balanocastanon* et sect. *Hypocastanon* Dode in Bull. Soc. Dendr. France, **1908**: 140 (1908).
- LECTOTYPUS: *Fagus Castanea* L. = *C. sativa* Mill.
- C. dentata** [Marsh.] Borkhausen, Theor.-prakt. Handb. Forstbot. **1**: 741 (1800).—Sargent, Silva N. Am. **9**: 13, t. 440, 441 (1896).—Camus, Châtaign. **180**, t. 8, 9, anat. t. 3, fig. 1-13 (1929).
- Fagus Castanea* sensu Wangenheim, Beschreib. Einig. Nordam. Holz. **90** (1781), non Linnaeus (1753).
- Fagus-Castanea dentata* Marshall, Arbust. Am. **46** (1785).
- Castanea vesca* : *americana*, Michaux, Fl. Bor.-Am. **2**: 193 (1803).
- Castanea vesca* Willdenow, Sp. Pl. **4,1**: 460 (1805), p. p.—Michaux f., Hist. Arb. For. Am. Sept. **2**: 156, t. 6 (1812).—Non Gaertner (1788).
- Castanea americana* Rafinesque, Fl. Ludovic. **134** (1817); New N. Am. Fl. **3**: 82 [1838].
- Castanea vulgaris* γ. *americana* A. de Candolle in De Candolle, Prodr. **16,2**: 114 (1864).
- Castanea sativa* η. *americana* Endlicher, Gen. Pl. Suppl. **4**: 29 (1847).—Sargent in Gard. & For. **2**: 484 (1889) "var."—Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 479 (1889) "var."
- C. mollissima** Blume, Mus. Bot. Lugd.-Bat. **1**: 286 (1850).—Seemen in Bot. Jahrb. **29**: 288 (1900).—Rehder & Wilson in Sargent, Pl. Wilson. **3**: 192 (1916).—Camus, Châtaign. **201**, (1929); Atl. t. 13, 14, 73, fig. 5-9, anat. t. 4 (1928).
- Castanea Bungeana* Blume, Mus. Bot. Lugd.-Bat. **1**: 284 (1850).
- Castanea vulgaris* var. *yunnanensis* Franchet in Jour. de Bot. **13**: 196 (1899).
- Castanea Duclouxii* Dode in Bull. Soc. Dendr. France, **1908**: 150 (1908).
- Castanea sativa* var. *mollissima* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **17**: 250 (1910).
- Castanopsis yunnanensis* (Franch.) Léveillé, Cat. Pl. Yun-Nan, 66 (1916).
- C. Burbankii** (*C. mollissima* × *pumila*) Camus, Châtaign. **240** (1929); Atl. t. 73, fig. 10-15 (1928).
- C. Morrisii** (*C. alnifolia* × *mollissima*) Camus, op. cit. **241** (1929).
- C. sativa** Miller, Gard. Dict. ed. **8**, *C.* no. **1** (1768).—Camus, Châtaign. **40** (1929); Atl. t. 1-3, 6, anat. t. 1, 2 (1928).
- Fagus Castanea* Linnaeus, Sp. Pl. 997 (1753).
- Fagus-Castanea Castanea* Weston, Bot. Univ. **1**: 107 (1770).
- Castanea vulgaris* Lamarck, Encycl. Méth. Bot. **1**: 708 (1783).
- Castanea vesca* Gaertner, Fruct. Sem. **1**: 181, t. 37 (1788).
- Castanea Castanea* Karsten, Deutsche Fl. Pharm.-med. Bot. **495** (1882).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 441 (1911).

**Castanea** (*continued*)

- C. sativa** f. **asplenifolia** (Loud.), grad. nov.  
*Castanea sativa* var. *asplenifolia* Loddiges, Cat. 1836 ex Loudon, Arb. Brit. 3: 1984 (1838).  
*Castanea Vesca* b. *asplenifolia* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 2: 27 (1826), nom. — Schelle in Beissner et al., Handb. Laubh.-Ben. 63 (1903) "*vesca* f. a."  
*Castanea vesca* var. *scolopendrifolia* Jacques in Hort. Univ. 5: 289 (1844).  
*Castanea vesca heterophylla dissecta* hort. ex Gard. Chron. 1872: 1289 (1872).  
*Castanea castanea* f. *asplenifolia* (Lodd.) Schneider, Ill. Handb. Laubh. 1: 157, fig. 91r (1904).  
*Castanea sativa* var. *heterophylla* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 852 (1909).  
*Castanea vesca* var. *heterophylla* Meunissier in Bull. Soc. Bot. France, 60: 676 (1923).
- C. sativa** f. **prolifera** K. Koch, Dendr. 2,2: 21 (1872) "(f.)." — Camus, Châtaign. 47 (1929) "var."  
*Castanea sativa* var. *discolor* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. 51: 40 (1880).  
*Castanea vesca* (f.) *prolifera* Schelle in Beissner, et al., Handb. Laubh.-Ben. 63 (1903).  
*Castanea castanea* f. *prolifera* (K. Koch) Schneider, Ill. Handb. Laubh. 1: 157 (1904).  
*Castanea prolifera* Hickel in Bull. Soc. Dendr. France, 1924: 21 (1924).
- C. sativa** f. **pyramidalis** (Mottet), grad. nov.  
*Castanea sativa pyramidalis* Mottet, Arb. Arbust. Orn. 451 (1925). — Bean, Trees Shrubs 1: 309 (1914) "var."
- C. sativa** f. **fastigiata** (Briot), grad. nov.  
*Castanea fastigiata* Briot in Rev. Hort. 1866: 469 (1866).  
*Castanea sativa* var. *fastigiata* Camus, Châtaign. 48 (1929).
- C. sativa** f. **purpurea** (Henry), grad. nov.  
*Castanea sativa* var. *purpurea* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 852 (1909). — Bean, Trees Shrubs, 1: 309 (1914). — Camus, Châtaign. 48 (1929).
- C. Blaringhemii** (*C. dentata* × *sativa*) Camus, Châtaign. 238 (1929).
- C. pulchella** (*C. pumila* × *sativa*) Camus, op. cit. 240 (1929).
- C. crenata** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,3: 224 (Fl. Jap. Fam. Nat. 2: 100) (1846). — Camus, Châtaign. 189 (1929); Atl. t. 10-12, t. 73, fig. 3, anat. t. 3, fig. 14-31 (1928).  
*Castanea stricta* Siebold & Zuccarini in op. cit. 225 (101) (1846).  
*Castanea vesca* β. *pubinervis* Hasskarl, Cat. Pl. Hort. Bogor. 73 (1844), nom.  
*Castanea chinensis* Hasskarl, l. c. (1844), nom.  
*Castanea japonica* Blume, Mus. Bot. Lugd.-Bat. 1: 284 (1850).  
*Castanea vulgaris* δ. *elongata* A. de Candolle in De Candolle, Prodr. 16,2: 115 (1864).  
*Castanea vulgaris* ε. *japonica* A. de Candolle, l. c. (1864). — Shirasawa, Icon. Ess. For. Jap. 1: t. 34 (1900).  
*Castanea vulgaris* ζ. *subdentata* A. de Candolle, l. c. (1864).  
*Castanea Castanea* var. *pubinervis* Sargent, Silva N. Am. 9: 9 (1896).  
*Castanea sativa* var. *pubinervis* Makino in Bot. Mag. Tokyo, 23: 12 (1900).
- Castanea pubinervis* Schneider, Ill. Handb. Laubh. 1: 158, fig. 91t (1904).
- C. Endicottii** (*C. crenata* × *dentata*) Camus, Châtaign. 235 (1929).
- C. Coudercii** (*C. crenata* × *sativa*) Camus, op. cit. 237 (1929).
- C. Fleetii** (*C. crenata* × *pumila*) Camus, op. cit. 234 (1929).
- C. Seguinii** Dode in Bull. Soc. Dendr. France, 1908: 152 (1908). — Camus, Châtaign. 209 (1929); Atl. t. 13, fig. 4-5, t. 17 (1928).  
*Castanea hupehensis* Dode in op. cit. 151 (1908). — Schneider, Ill. Handb. Laubh. 2: 899, fig. 563c-d (1912).  
*Castanea Davidii* Dode in op. cit. 153 (1908). — Schneider, Ill. Handb. Laubh. 2: 899, fig. 563e-f (1912). — Camus, Châtaign. 212 (1929); Atl. t. 15, 16 (1928).  
*Castanea sativa* var. *Bungeana* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 250 (1910), non *C. Bungeana* Bl. (1850).
- C. pumila** (L.) Miller, Gard. Dict. ed. 8, C. no. 2 (1768). — Michaux f., Hist. Arb. For. Am. Sept. 2: 166, t. 7 (1812). — Sargent, Silva N. Am. 9: 17, t. 442-3 (1896). — Camus, Châtaign. 214 (1929); Atl. t. 18 (1928).  
*Fagus pumila* Linnaeus, Sp. Pl. 998 (1753).  
*Fagus Castanea pumila* Münchhausen, Hausvat. 5: 162 (1770).  
*?Fagus pumila* var. *serotina* Walter, Fl. Carol. 233 (1788).  
*Fagus Chinkapin* Bartram, Travels N. & S. Carol. 327 (1791), nom. altern.
- C. neglecta** (*C. dentata* × *pumila*) Dode in Bull. Soc. Dendr. France, 1908: 155, fig. 9 (1908). — Camus, Châtaign. 223 (1929); Atl. t. 20, fig. 7-10 (1928). — Fernald in Rhodora, 47: 131 (1945), sp. distincta, non hybr.
- C. ozarkensis** Ashe in Bull. Torrey Bot. Club, 50: 360 (1923). — Camus, Châtaign. 225 (1929); Atl. t. 74, fig. 3-6 (1928).  
*Castanea arkansana* Ashe in op. cit. 361 (1923).  
*Castanea ozarkensis* var. *arkansana* Ashe in Jour. Elisha Mitchell Sci. Soc. 40: 45 (1924).
- C. alnifolia** Nuttall, Gen. N. Am. Pl. 2: 217 (1818). — Camus, Châtaign. 226 (1929); Atl. t. 19, fig. 6-8 (1928).  
*Fagus pumila* var. *praecox* Walter, Fl. Carol. 233 (1788).  
*Castanea nana* Elliott, Sketch Bot. S. Carol. 2: 615 (1824).  
*Castanea pumila* β. *nana* A. de Candolle in De Candolle, Prodr. 16,2: 115 (1864).
- C. Henryi** (Skan) Rehder & Wilson in Sargent, Pl. Wilson. 3: 196 (1916). — Camus, Châtaign. 230, fig. 9 (1929); Atl. t. 20, fig. 1-5 (1928).  
*Castanopsis Henryi* Skan in Jour. Linn. Soc. Lond. Bot. 26: 523 (1899).  
*Castanea sativa* γ. var. *acuminatissima* Seemen in Bot. Jahrb. 29: 287 (1900).  
*Castanea Vilmoriniana* Dode in Bull. Soc. Dendr. France, 1908: 156, fig. (1908).  
*Castanea Fargesii* Dode in op. cit. 158, fig. 156 (1908); in Repert. Sp. Nov. Reg. Veg. 10: 242 (1911).
- CASTANOPSIS** (D. Don) Spach, Hist. Nat. Vég. Phan. 11: 185 (1842). — A. De Candolle in De Candolle,

- Prodr. **16,2**: 109 (1864).—Camus, Châtaign. 244 (1929); Atl. t. 23–76 (1928).
- Quercus* subdiv. *Castanopsis* D. Don, Prodr. Fl. Nepal. 56 (1825).
- Balanopsis* Rafinesque, Alsogr. Am. 29 (1838).
- Quercus* n. *Chlamydoalanus* Endlicher, Gen. Pl. Suppl. **4,2**: 28 (1847).
- Quercus* [sect.] *Castaneopsis* Blume, Mus. Bot. Lugd.-Bat. **1**: 288 (1850).
- Callaeocarpus* Miquel, Fl. Ind. Bat. **1**: 868 (1855).
- Castanopsis* sect. **I**. *Eucastanopsis* A. de Candolle in Hance in Jour. Bot. **1**: 182 (1863); in De Candolle, Prodr. **16,2**: 109 (1864).
- Castanopsis* sect. **2**. *Callaeocarpus* A. de Candolle, l. c. (1863); l. c. (1864).
- Castanea* subgen. *Castanopsis* Koehne, Deutsche Dendr. 121 (1893).—Prantl in Nat. Pflanzenfam. III. **1**: 55 (1889), pro sect.
- Pasania* sect. **I**. *Chlamydoalanus* (Endl.) Prantl in Nat. Pflanzenfam. III. **1**: 55 (1889).
- LECTOTYPUS: *Quercus armata* Roxb. = *C. armata* (Roxb.) Spach.
- C. chrysophylla** (Hook.) A. de Candolle in Hance in Jour. Bot. **1**: 182 (1863); in De Candolle, Prodr. **16,2**: 109 (1864).—Sargent, Silva N. Am. **9**: 3, t. 439 (1896).—Camus, Châtaign. 361 (1929); Atl. t. 45, fig. 1–8 (1928).
- Castanea chrysophylla* Hooker, Fl. Bor.-Am. **2**: 159 (1839).
- Castanea sempervirens* Kellogg in Proc. Calif. Acad. Sci. **1**: 71 (1855).
- C. chrysophylla** var. *minor* (Benth.) A. de Candolle in De Candolle, Prodr. **16,2**: 110 (1864).
- Castanea chrysophylla* var. *minor* Benth., Pl. Hartweg. 337 (1857).
- Castanopsis chrysophylla* var. *pumila* Vasey in Rep. Dept. Agric. U. S. **1875**: 175 (Cat. For. Trees, U. S.) (1876).
- Castanea californica* Čelakovsky in Jahrb. Wiss. Bot. **21**: 159 (1890).
- LITHOCARPUS** Blume, Bijdr. Fl. Ned. Ind. 526 (1825).—Nakai in Bot. Mag. Tokyo, **29**: 55 (1915), exclud. sect. *Chlamydoalanus*.—Rehder & Wilson in Sargent, Pl. Wilson. **3**: 205 (1916).
- Quercus* Linnaeus ex Smith in Rees, Cyclop. **29**(1814), p. p.
- Synaedrys* Lindley, Nat. Syst. Bot. ed. 2, 441 (1836).
- Belanaulax* Rafinesque, Alsogr. Am. 28 (1838).
- Arcaula* Rafinesque, op. cit. 30 (1838).
- Quercus* sect. *Cyclobalanus* Endlicher, Gen. Pl. Suppl. **4,2**: 28 (1847).
- Quercus* sect. **II**. *Androgyne* A. de Candolle in Bibl. Univ. Arch. Sci. Phys. Nat. n. per., **15**: 97 (Note Nouv. Char. Chênes, 9) (1862); in De Candolle, Prodr. **16,2**: 81 (1864).
- Cyclobalanus* Oersted in Vidensk. Meddel. Naturh. For. Kjöbenh. **18**: 80 (Bidr. Egesl. Syst. 72) (1866).
- Pasania* Oersted in op. cit. 81 (73) (1866), exclud. sect. *Chlamydoalanus*.—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, **13**: 6 (1936).
- Quercus* sect. *Pasania* Benth. & Hooker f., Gen. Pl. **3**: 408 (1880).
- Pasania* sect. *Lithocarpus* (Miq.) Prantl in Nat. Pflanzenfam. III. **1**: 55 (1889).
- Pasania* sect. *Eupasania* Prantl, l. c. (1889).
- Typus: *Lithocarpus javensis* Bl.
- L. densiflorus** (Hook. & Arn.) Rehder in Bailey, Stand. Cycl. Hort. **5**: 2479 (1916); **6**: 3569 (1917) "*densiflora*."
- Quercus densiflora* Hooker & Arnott, Bot. Beechey Voy., 391 (1849).—Sargent, Silva N. Am. **8**: 183, t. 438 (1895).
- Pasania densiflora* Oersted in Vidensk. Meddel. Naturh. For. Kjöbenh. **18**: 83 (Bidr. Egesl. Syst. 75) (1866).
- L. densiflorus** var. *montanus* (Mayr) Rehder in Jour. Arnold Arb. **1**: 125 (1919) "*L. densiflora* var. *montana*."
- Quercus echinoides* R. Brown Campst. in Ann. Mag. Nat. Hist. ser. 4, **7**: 251 (1871).
- Quercus densiflora* var. *montana* Mayr, Wald. Nordam. 264, t. 2, fig. (1890).
- Quercus densiflora* var. *echinoides* Sargent, Silva N. Am. **8**: 183, t. 488, fig. 9 (1895).
- Pasania montana* Mayr, Wald- & Parkbäume, 487, t. 14, fig. (1906).
- Pasania densiflora* var. *echinoides* Jepson, Fl. Calif. **1**: 363 (1909).
- QUERCUS** Linnaeus, Sp. Pl. 994 (1753); Gen. Pl. 431, no. 949 (1754).—A. de Candolle in De Candolle, Prodr. **16,2**: 2–109 (1864), p. p. typ.—Trelease in Mem. Nat. Acad. Sci. **20**: 255 pp. 417 pl. (Am. Oaks) (1924).—Camus, Chênes: Monog. Quercus, **1**: 686 pp. (1938); Atlas, 108 t., 93 pp. (1934); Atl. **2**: 186 t., 177 pp. (1936).—Schwarz, Monog. Eich. Eur. Or. **1**: 1–200; 2(atl.): t. 1–64 (Repert. Sp. Nov. Reg. Veg. Sonderbeih. D.) (1936).
- Macrobalanus* (Oerst.) Schwarz in Notizbl. Bot. Gart. Mus. Berlin, **13**: 8 (1936).
- LECTOTYPUS: *Q. robur* L.
- Subgen. **I**. **CYCLOBALANOPSIS** (Oerst.) Schneider, III. Handb. Laubh. **1**: 210 (1904).—Camus, Chênes, **1**: 158 (1938).
- Perytis* Rafinesque, Alsogr. Am. 29 (1838).
- Cyclobalanopsis* Oersted in Vidensk. Meddel. Naturh. For. Kjöbenh. **18**: 77 (Bidr. Egesl. Syst. 69) (1866); in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, **9**: 371 (Bidr. Kundsk. Egefam. 41) (1871).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, **13**: 7 (1936).
- Quercus* sect. *Cyclobalanus* A. de Candolle in De Candolle, Prodr. **16,2**: 91 (1864), p. p.
- Quercus* sect. *Cyclobalanopsis* Benth. & Hooker f., Gen. Pl. **3**: 408 (1880).
- Q. myrsinaefolia** Blume, Mus. Bot. Lugd.-Bat. **1**: 305 (1850).—Rehder & Wilson in Sargent, Pl. Wilson. **3**: 236 (1916).—Nakai, Fl. Sylv. Kor. **3**: 36, t. 25 (1917).—Camus, Chênes, **1**: 264, fig. 2 (1938); Atl. **1**: t. 16, fig. 7–21 (1934).
- Quercus bambusaefolia* Fortune in Gard. Chron. **1860**: 170 (1860), nom.—Masters in Gard. Chron. n. ser. **1**: 632 (1874) "*bambusifolia*."—Non Hance (1857).
- Quercus Vibrayeana* Franchet & Savatier, Enum. Pl. Jap. **1**: 449 (1875); **2**: 498 (1878?).
- Quercus acuta* var. *bambusaefolia* [Nicholson] in Kew Hand-list Trees Shrubs, **2**: 181 (1896).
- Cyclobalanopsis myrsinifolia* Schottky in Bot. Jahrb. **47**: 656 (1912).
- Cyclobalanopsis Vibrayana* Schottky, l. c. (1912).
- Subgen. **II**. **ERYTHROBALANUS** [Spach] Oersted in Vidensk. Meddel. Naturh. For. Kjöbenh. **18**: 70 (Bidr. Egesl. Syst. 62) (1866).

## Subgen. II. ERYTHROBALANUS (continued)

- Dryopsila* vel *Quercus* subgen. *Dryopsila* Rafinesque, Alsogr. Am. 25, 26 (1838).
- Dryopsila* subgen. *Limnodrys* et subgen. *Phellodrys* Rafinesque, op. cit. 26 (1838) "*Phellodrys*," p. p.
- Quercus* sect. *Erythrobalanus* Spach, Hist. Nat. Vég. Phan. 11: 160 (1842).
- Erythrobalanus* (Oerst.) Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 8 (1936).
- Q. Capesii** (*Q. nigra* × *Phellos*) W. Wolf in Castanea, 10: 91 (1945).
- Q. Phellos** Linnaeus, Sp. Pl. 994 (1753).—Sargent, Silva N. Am. 8: 179, t. 435 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 157, t. 8, 303 (Am. Oaks) (1924).
- ?*Quercus salicifolia* W. Young, Cat. Arb. Arbust. Am. 20 (1783), nom.
- Quercus phellos* (*sylvatica*) Michaux, Hist. Chênes Am. Sept. no. 7, t. 12 (1801), "*Q. Phellos*" in tab.; Fl. Bor.-Am. 2: 197 (1803) "var. *a. sylvatica*."
- Q. heterophylla** [*Q. borealis maxima* × *Phellos*] Michaux f., Hist. Arb. For. Am. Sept. 2: 87, t. 16 (1912).—Sargent, Silva N. Am. 8: 180, t. 436 (1895).
- ?*Quercus Phellos* var. *heterophylla* C. F. Ludwig, Neu. Wilde Baumz. 38 (1783), nom.
- Quercus aquatica* β. *heterophylla* Aiton f., Hort. Kew. ed. 2, 5: 290 (1813).—A. de Candolle in De Candolle, Prodr. 16, 2: 68 (1864).
- Quercus Phellos* var.? Gray, Man. Bot. N. U. S. ed. 5, 453 (1867).
- Quercus Phellos* × *coccinea*, *Q. heterophylla* Michx. ex Engelm. in Trans. Acad. Sci. St. Louis, 3: 541 (Oaks U. S. [2]: 19) (1878).
- Quercus palustris heterophylla* Cockerell in Nature, 66: 631 (1902).
- Quercus Hollickii* Schneider, Ill. Handb. Laubh. 1: 165 (1904).
- Q. ludoviciana** (*Q. falcata* × *Phellos*) Sargent, Trees & Shrubs, 2: 223 (1913).
- Quercus subfalcata* Trelease in Proc. Am. Philos. Soc. 56: 52 (1917), non Göppert (1854), nom.; nec Friedrich (1883); fossil.
- Quercus ludoviciana* var. *subfalcata* (Trelease) Rehder in Jour. Arnold Arb. 7: 240 (1926).
- Q. ludoviciana** var. *microcarpa* (Dipp.) Rehder in op. cit. 239 (1926).
- Quercus Robur microcarpa* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 199 (1896), pro syn.
- Quercus Phellos microcarpa* Willdenow ex Dippel, Handb. Laubh. 2: 108, fig. 49 (1892).
- Quercus subfalcata* var. *microcarpa* Sargent in Bot. Gaz. 65: 454 (1918).
- Quercus chinensis microcarpa* Wezelenburg ex Sargent, l. c. (1918), pro syn.
- Q. Schochiana** (*Q. palustris* × *Phellos*) Dieck, Neuheit.-Off. Zösch, 1894-95: 20 (1894), nom. subnud.—Schoch in Mitt. Deutsch. Dendr. Ges. 1896(5): 9 (1896), nom. subnud.—Schneider, Ill. Handb. Laubh. 1: 165 (1904).
- Q. Rudkini** (*Q. marilandica* × *Phellos*) Britton in Bull. Torrey Bot. Club, 9: 13, t. 10-12 (1882).—Sargent, Silva N. Am. 8: 181, t. 437 (1895).—H. A. Allard in Rhodora, 44: 262, t. 709 (1942).
- Q. filialis** (*Q. Phellos* × *velutina*) Little in Jour. Washington Acad. Sci. 33: 10 (1943).
- Quercus inaequalis* Palmer & Steyermark in Ann. Missouri Bot. Gard. 22: 521 (1935), non Watelet (1866), fossil.
- Q. imbricaria** Michaux, Hist. Chênes Am. no. 9, t. 15, 16 (1801).—Sargent, Silva N. Am. 8: 175, t. 432 (1895).
- Quercus aprica* Rafinesque, Alsogr. Am. 26 (1838).
- Quercus latifolia* Hort. ex Steudel, Nomencl. Bot. ed. 2, 2: 427 (1841), pro syn.
- Quercus Phellos* β. *Q. imbricaria* Spach, Hist. Nat. Vég. Phan. 11: 160 (1842).
- Q. Leana** [*Q. imbricaria* × *velutina*] Nuttall, N. Am. Sylva, 1: 13\*, t. 5<sup>bit</sup> (1842).
- Quercus imbricario-coccinea* Engelm. in Oaks U. S. 17 (388) (1876), advance reprint from Trans. Acad. Sci. St. Louis, 3: 388, but later cancelled; see Bot. Works Engelm., ed. W. Trelease & A. Gray, 396 (1887).
- Quercus imbricaria* × *coccinea* Engelm. in Trans. Acad. Sci. St. Louis, 3: 540 (Oaks U. S. [2]: 18) (1878).
- Quercus imbricaria* × *velutina* Sargent, Silva N. Am. 8: 176, t. 434 (1895).
- Q. exacta** (*Q. imbricaria* × *palustris*) Trelease in Proc. Am. Philos. Soc. 56: 49 (1917).
- Quercus palustri-imbricaria* Engelm. in Oaks U. S. 18 (389) (1876), cancelled reprint; see above under *Q. Leana*.
- Quercus imbricaria* × *palustris* Engelm. in Trans. Acad. Sci. St. Louis, 3: 539 (Oaks U. S. [2]: 17) (1878).
- Q. runcinata** (A. DC.) [*Q. borealis maxima* × *imbricaria*] Engelm. ex Gray, Man. Bot. N. U. S. ed. 5, 454 (1867).
- Quercus rubra* β. *runcinata* A. de Candolle in De Candolle, Prodr. 16, 2: 60 (1864).
- Quercus imbricario-rubra* Engelm. in Oaks U. S. 18 (389) (1876), cancelled reprint; see above under *Q. Leana*.
- Quercus imbricaria* × *rubra* Engelm. in Trans. Acad. Sci. St. Louis, 3: 539 (Oaks U. S. [2]: 17) (1878).
- Q. tridentata** (A. DC.) (*Q. imbricaria* × *marilandica*) Engelm. in Trans. Acad. Sci. St. Louis, 3: 539 (Oaks U. S. [2]: 17) (1878) "*imbricaria* × *nigra*".
- Quercus nigra* β. *tridentata* A. de Candolle in De Candolle, Prodr. 16, 2: 64 (1864).
- Quercus imbricario-nigra* Engelm. in Oaks U. S. 18 (389) (1876) cancelled reprint; see above under *Q. Leana*.
- Quercus imbricaria* × *Marilandica* Sargent, Silva N. Am. 8: 176, t. 433 (1895).
- Q. laurifolia** Michaux, Hist. Chênes Am. Sept. no. 10, t. 17 (1801); Fl. Bor.-Am. 2: 197 (1803).—Fernald in Rhodora, 48: 141, t. 1031-34 (1946).
- Quercus laurifolia hybrida* Michaux, Hist. Chênes Am. Sept. no. 10, t. 18 (1801).
- Quercus laurifolia a. acuta* Willdenow, Sp. Pl. 4, 1: 428 (1805).
- Quercus laurifolia* β. *obtusata* Willdenow, l. c. (1805).
- Quercus laurina* Rafinesque, Alsogr. Am. 27 (1838), non Humboldt & Bonpland (1809).
- Quercus laurifolia* β. *obtusata* Pursh, Fl. Am. Sept. 2: 627 (1814).
- Quercus Phellos* var. *laurifolia* (Michx.) Chapman, Fl. South. U. S. 420 (1860).
- Quercus aquatica* β. *laurifolia* A. de Candolle in De Candolle, Prodr. 16, 2: 68 (1864), p. p.—Houba, Chênes Am. en Belg. 306, t. (1887).

- Quercus obtusa* Pursh ex Sargent, Rep. For. N. Am. 152 (1884), pro syn. — Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 175 (Nomencl. Arb. Fl. U. S.) (1897), pro syn.
- Quercus uliginosa* (f.) *laurifolia* Zabel in Beissner et al., Handb. Laubh.-Ben. 66 (1903).
- Quercus hybrida* (Michx.) Ashe in Proc. Soc. Am. For. 40: 88 (1916), non Brotero (1804), nec Bechstein (1816), nec Hampton (1886), nec Houba (1887), nec Small (1903).
- Quercus obtusa* (Willd.) Ashe in Torrey, 18: 72 (1918, May 8); in Rhodora, 24: 78 (1922).
- Quercus rhombica* Sargent in Bot. Gaz. 45: 430 (1918, May 15); Man. Trees N. Am., ed. 2, 261, fig. 239 (1922).
- Q. hemisphaerica** Bartram ex Willdenow, Sp. Pl. 4:1: 443 (1805). — Fernald in Rhodora, 48: 138, t. 1035, 1036 (1946).
- Quercus dentata* Bartram, Travels N. & S. Carol. 6, 10, 24, 28, 84, 131, 161, 204, 320 (1791), nom.; non Thunberg.
- Quercus hemisphaerica* Bartram, op. cit. xv, 309, 320, 394, 421, 426, 474 (1791), nom.
- Quercus dentata* s. *hemisphaerica* Bartram, op. cit. 320 (1791).
- Quercus aquatica* sensu Michaux, Chênes Am. Sept. no. 11, p. [2], t. 20, fig. 2 (1801), p. p. tandem quoad fig. 2.; non Walter (1788).
- Quercus laurifolia* Elliott, Sketch Bot. S. Carol. 2: 597 (1824), p. p. — Sargent, Silva N. Am. 8: 169, t. 429, 430 (1895), p. p.; Man. Trees N. Am., ed. 2, 264, fig. 242 (1922). — W. C. Coker in Jour. Elisha Mitchell Sci. Soc. 32: 38, t. 2–5 (1916).
- Quercus aquatica* a. *laurifolia* A. de Candolle in De Candolle, Prodr. 16:2: 68 (1864), p. p.
- Quercus aquatica* e. *dentata* A. de Candolle, l. c. (1864).
- Q. nigra** Linnaeus, Sp. Pl. 995 (1753). — Sargent, Silva N. Am. 8: 165, t. 428 (1895).
- Quercus nigra* a. *aquatica* Lamarck, Encycl. Méth. Bot. 1: 721 [1785].
- Quercus nigra trifida* Marshall, Arbust. Am. 121 (1785).
- Quercus uliginosa* Wangenheim, Beytr. Deutsch. Holzg. Forstwiss. Nordam. Holz. 80, t. 6 (1787).
- Quercus aquatica* Walter, Fl. Carol. 234 (1788). — A. de Candolle in De Candolle, Prodr. 16:2: 67 (1864), p. p. tandem quoad *δ. stipitata*.
- Quercus nana* Willdenow, Sp. Pl. 4:1: 443 (1805).
- Quercus bumeliaefolia* Riddell in New Orleans Med. & Surg. Jour. 9: 614 (1853).
- Quercus aquatica* var. *hybrida* Chapman, Fl. South. U. S. 421 (1860).
- ?*Quercus novi-orleani* Kirchner in Petzold & Kirchner, Arb. Muscav. 656 (1864), nom.
- Q. marilandica** Münchhausen, Hausvat. 5: 253 (1770). — Sargent, Silva N. Am. 8: 161, t. 426–7 (1895). — Trelease in Mem. Nat. Acad. Sci. 20: 199, t. 400–3 (Am. Oaks) (1924).
- Quercus nigra* β. Linnaeus, Sp. Pl. 996 (1753), p. p. — Wangenheim, Beytr. Deutsch. Holzg. Forstwiss. Nordam. Holz. 77, t. 5, fig. 13 (1787) “var.” — A. de Candolle in De Candolle, Prodr. 16:2: 63 (1864).
- Quercus nigra* Wangenheim, Beschreib. Nordam. Holz. 133 (1781). — Walter, Fl. Carol. 234 (1788). — A. de Candolle in De Candolle, Prodr. 16:2: 63 (1864). — Non Linnaeus (1753), p. p. typ.
- Quercus cuneata* Wangenheim, Beytr. Deutsch. Holzg. Forstwiss. Nordam. Holz. 78, t. 5, fig. 14 (1787).
- Quercus ferruginea* Michaux f., Hist. Arb. Am. Sept. 2: 92, t. 18 (1812).
- Quercus dilatata* Rafinesque, Alsogr. Am. 24 (1838), non Lindley ex Wallich (1830), nom. nud.
- Quercus marilandica* f. *cuneata* (Wangh.) Trelease in Mem. Nat. Acad. Sci. 20: 200 (Am. Oaks) (1924).
- Q. Hastingsii** (*Q. marilandica* × *texana*) Sargent in Bot. Gaz. 65: 450 (1918).
- Q. Bushii** (*Q. marilandica* × *velutina*) Sargent in op. cit. 453 (1918).
- Q. arkansana** Sargent, Trees Shrubs, 2: 121, t. 152 (1911); Man. Trees N. Am. ed. 2, 259, fig. 237 (1922). — (*Q. marilandica* × *nigra*?) Trelease in Mem. Nat. Acad. Sci. 20: 13 (Am. Oaks) (1924).
- Quercus nigra* × *aquatica* [*marilandica* × *nigra*] Ashe in Jour. Elisha Mitchell Sci. Soc. 11: 92 (1894).
- Quercus spec.* Harper in Bull. Torrey Bot. Club, 41: 209, 214, fig. 3 (1914).
- Quercus sterilis* Trelease in Proc. Am. Philos. Soc. 56: 51 (1917).
- Q. ilicifolia** Wangenheim, Beytr. Deutsch. Holzg. Forstwiss. Nordam. Holz. 79, t. 6 (1787). “*ilicifolia*”. — Sargent, Man. Trees N. Am. ed. 2, 254, fig. 253 (1922). — Trelease in Mem. Nat. Acad. Sci. 20: 197, t. 397 (Am. Oaks) (1924).
- ?*Quercus pumila* W. Young, Cat. Arb. Arbust. Am. 20 (1783), nom.
- Quercus nigra pumila* Marshall, Arbust. Am. 122 (1785).
- Quercus rubra nana* Marshall, op. cit. 123 (1785).
- Quercus Banisteri* Michaux, Hist. Chênes Amer. no. 15, t. 27 (1801).
- Quercus discolor* γ. *Q. Banisteri* Spach, Hist. Nat. Vég. Phan. 11: 164 (1842).
- Quercus nigra* var. *ilicifolia* (Wangh.) Kuntze, Rev. Gen. Pl. 2: 642 (1891).
- Quercus nana* (Marsh.) Sargent in Gard. & For. 8: 93 (1895); Silva N. Am. 8: 155, t. 424 (1895); non Willdenow (1805).
- Quercus pumila* (Marsh.) Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 172 (Nomencl. Arb. Fl. U. S.) (1897).
- Q. Robbinsii** (*Q. coccinea* × *ilicifolia*) Trelease in Proc. Am. Philos. Soc. 56: 51 (1917).
- Quercus coccinea-ilicifolia* Robbins in Gray, Man. ed. 5, 454 (1867). — Rehder in Rhodora, 3: 139, t. 24, fig. 2 (1901).
- Quercus coccinea-ilicifolia* Engelm., Oaks U. S., 19 (390) (1876), cancelled reprint; see note under *Q. Leana* (p. 118).
- Quercus coccinea* × *ilicifolia* (Robbins) Engelm. in Trans. Acad. Sci. St. Louis, 3: 542 (Oaks U. S. [2]: 20) (1878).
- Q. Rehderi** (*Q. ilicifolia* × *velutina*) Trelease in Proc. Am. Philos. Soc. 56: 51 (1917).
- Quercus ilicifolia* × ? *velutina* Rehder in Rhodora, 3: 138, t. 24, fig. 1 (1901).
- Q. Brittoni** (*Q. ilicifolia* × *marilandica*) W. T. Davis in Bull. Torrey Bot. Club, 19: 303 (1892); in Scientific American, 1892: 145 (1892). — Trelease in Mem. Nat. Acad. Sci. 20: 14 (1924).
- ?*Quercus hudsonica* [Hort. ex] C. de Vos, Handb. Boom. Heest. ed. 2, 147 (1887), nom. subnud. — Hort. Muskau ex Koehne, Deutsche Dendr. 132, (1893), pro syn.



**Quercus Brittoni** (continued)

- Quercus ferruginea hybrida* Dippel, Handb. Laubh. **2**: 111 (1892).
- ?*Quercus cuneata hudsonica* [Hort. ex] Dippel, op. cit. 112 (1892).
- ?*Quercus cuneata* × *ilicifolia*? Koehne, Deutsche Dendr. 132 (1893), nom. subnud.
- Q. falcata** Michaux, Hist. Chênes Am. no. 16, t. 28 (1801). — A. De Candolle in De Candolle, Prodr. **16**: 58 (1868). — Fernald in Jour. Arnold Arb. **27**: 391 (1946).
- Quercus rubra* Linnaeus, Sp. Pl. 996 (1753), p. p. — Smith & Abbot, Nat. Hist. Lepid. Insects Ga. **27**, 99, t. 14, 50 (1797). — Trelease in Mem. Nat. Acad. Sci. **20**: 201, t. 406 (Am. Oaks) (1924). — NOM. AMBIG. PROPOS. cf. Suringar in Mitt. Deutsch. Dendr. Ges. **1929**(41): 33 [1930?] et Rehder in Jour. Arnold Arb. **19**: 283 (1939).
- Quercus nigra digitata* Marshall, Arbust. Am. 121 (1785).
- ?*Quercus rubra montana* Marshall, op. cit. 123 (1785).
- Quercus elongata* Mühlenberg in Willdenow in Neu. Schrift Naturf. Fr. Berlin, **3**: 400 (1801).
- Quercus triloba* Michaux, Hist. Chênes Am. no. 14, t. 26 (1801).
- Quercus falcata* β. *triloba* Nuttall, Gen. N. Am. Pl. **2**: 214 (1818).
- Quercus aurea* Rafinesque, Alsogr. Am. 20 (1838).
- Quercus discolor* Spach, Hist. Nat. Vég. Phan. **11**: 163 (1842), non Aiton (1789).
- Quercus falcata* β. *Ludoviciana* A. de Candolle in De Candolle, Prodr. **16**: 59 (1864).
- Quercus hypophaeos* Kirchner in Petzold & Kirchner, Arb. Muscav. 656 (1864).
- Quercus nobilis* hort. ex K. Koch, Dendrol. **2**: 65 (1872), pro syn.
- Quercus digitata* (Marsh.) Sudworth in Gard. & For. **5**: 99 (1892). — Sargent, Silva N. Am. **8**: 147, t. 420, 421 (1895).
- Quercus cuneata* Dippel, Handb. Laubh. **2**: 111, fig. 52 (1892). — Sargent in Bot. Gaz. **44**: 226 (1907). — Non Wangenheim (1787).
- Quercus cuneata* a. *falcata* Dippel, op. cit. 111, fig. 53 (1892).
- Quercus rubra triloba* (Michx.) Ashe in Proc. Soc. Am. For. **11**: 90 (1916). — Trelease in Mem. Nat. Acad. Sci. **20**: 201 (Am. Oaks) (1924) "f."
- Quercus rubra* f. *cuneata* (Dipp.) Trelease in op. cit. 202 (1924).
- Q. falcata** var. *pagodaefolia* Elliott, Sketch Bot. S. Carol. **2**: 605 (1824).
- Quercus Pagoda* Rafinesque, Alsogr. Am. 23 (1838). — Trelease, l. c. t. 407–8 (1924).
- Quercus pagodaefolia* Ashe in Bot. Gaz. **24**: 375 (1897).
- Quercus rubra pagodaefolia* Ashe in Proc. Soc. Am. For. **11**: 90 (1916). — Sargent, Man. Trees N. Am. ed. 2, 256, fig. 235 (1922) "var."
- Q. laevis** Walter, Fl. Carol. 234 (1788). — Trelease in Mem. Nat. Acad. Sci. **20**: 200, t. 404–5 (Am. Oaks) (1924).
- ?*Quercus flammula* Bartram, Travels N. & S. Carol. 403, 470 (1791), nom.; Reisen, **2**: 247, 351 (1793); Voyages **2**: 228, 344 [1799]; nom.
- Quercus Catesbaei* Michaux, Hist. Chênes Am. no. 17, t. 29–30 (1801). — Sargent, Silva N. Am. **8**: 143, t. 417 (1895).
- Q. velutina** Lamarck, Encycl. Méth. Bot. **1**: 721 [1785]. — Sargent, Silva N. Am. **8**: 137, t. 414–5 (1895). — Fernald in Jour. Arnold Arb. **27**: 306 (1946), t. 1, t. 2, fig. 1, 4, 5.
- Quercus nigra* sensu Du Roi, Harbk. Baumz. **2**: 272, t. 6, fig. 1 (1772), non Linnaeus, (1753).
- Quercus discolor* Aiton, Hort. Kew. **3**: 358 (1789).
- Quercus tinctoria* Bartram, Travels N. & S. Carol. 37 (1791), nom. — Michaux, Hist. Chênes Am. no. 13, t. 24–5 (1801). — Merrill in Barton, **23**: 31 (1945), pro syn.
- Quercus tinctoria* a. *angulosa* et β. *sinuosa* Michaux, Fl. Bor.-Am. **2**: 198 (1803).
- Quercus coccinea* β. *nigrescens* A. de Candolle in De Candolle, Prodr. **16**: 61 (1864).
- Quercus coccinea* γ. *tinctoria* A. de Candolle, l. c. (1864).
- Q. velutina** var. *missouriensis* Sargent, Man. Trees N. Am. 239 (1905). — Trelease in Mem. Nat. Acad. Sci. **20**: 198 (Am. Oaks) (1924) "f."
- Q. Kelloggii** Newberry, Bot. Rep. in U. S. Rep. Expl. Surv. Railr. Mississippi Pacific Oc. **6**: 28, 89, fig. 6 (1859). — Sargent, Man. Trees N. Am. ed. 2, 251, fig. 231 (1922).
- Quercus tinctoria* var. *Californica* Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi R. Pacif. Oc. **4**: 5: 138 (1857).
- Quercus californica* Cooper in Ann. Rep. Smithson. Inst. **13** (1858): 261 (1859). — Sargent, Silva N. Am. **8**: 141, t. 416 (1895).
- Quercus sonomensis* A. de Candolle in De Candolle, Prodr. **16**: 62 (1864).
- Q. ellipsoidalis** E. J. Hill in Bot. Gaz. **27**: 204, t. 2, 3 (1899). — Sargent, Silva N. Am. **14**: 49, t. 721 (1902). — Trelease in Mem. Nat. Acad. Sci. **20**: 196, t. 396 (Am. Oaks) (1924).
- Quercus coccinea* var. *microcarpa* Vasey in Am. Entomologist, **2**: 345, fig. 213 (1870), non Torrey (1859).
- Q. Shumardii** Buckley in Proc. Acad. Nat. Sci. Philad. **1860**: 444 (1860). — Sargent, Man. Trees N. Am. 243, fig. 223 (1922). — Trelease in Mem. Nat. Acad. Sci. **20**: 194 (Am. Oaks) (1924).
- Quercus texana* sensu Sargent in Gard. & For. **7**: 514 (1894); Silva N. Am. **8**: 129, t. 411 (1895); non Buckley (1860).
- Q. Shumardii** var. *Schneckii* (Britt.) Sargent in Bot. Gaz. **65**: 425 (1918); Man. Trees Shrubs N. Am. ed. 2, 244, fig. 224 (1922).
- Quercus Schneckii* Britton, Man. Fl. N. U. S. 333 (1901).
- Q. Shumardii** var. *acerifolia* E. J. Palmer in Jour. Arnold Arb. **8**: 54 (1927).
- Q. mutabilis** (*Q. palustris* × *Shumardii* var. *Schneckii*). Palmer & Steyermark in Ann. Missouri Bot. Gard. **22**: 521 (1935).
- Q. texana** Buckley in Proc. Acad. Nat. Sci. Philad. **1860**: 444 (1860). — Sargent, Man. Trees N. Am., ed. 2, 245, fig. 225 (1922). — Trelease in Mem. Nat. Acad. Sci. **20**: 195, t. 396 (Am. Oaks) (1924).
- Quercus coccinea* var. ?*microcarpa* Torrey in Emory, Rep. U. S. Mex. Bound. Survey, **2**: 206 (1859).
- Quercus rubra* var. *texana* Buckley in Proc. Acad. Nat. Sci. Philad. **1881**: 123 (1881).
- Quercus Shumardii texana* Ashe in Bull. Charleston Mus. **14**: 9 (1918).
- Q. Nuttallii** E. J. Palmer in Jour. Arnold Arb. **8**: 52 (1927).
- Q. coccinea** Münchhausen, Hausvat. **5**: 254 (1770). — Sargent, Silva N. Am. **8**: 133, t. 412, 413 (1895). — Trelease in Mem. Nat. Acad. Sci. **20**: 196, t. 396 (Am. Oaks) (1924).

- ?*Quercus rubra*  $\beta$ . *coccinea* Aiton, Hort. Kew. **3**: 357 (1789).  
*Quercus acuta* Rafinesque, Alsogr. Am. **22** (1838).  
*Quercus coccinea*  $\delta$ . *Rugelii* A. de Candolle in De Candolle, Prodr. **16**: 62 (1864).  
*Quercus coccinea* var. *vulgaris* Vasey in Am. Entomologist, **2**: 344, fig. 212, (1870).
- Q. Benderi** [*Q. borealis maxima*  $\times$  *coccinea*] Baenitz in Allg. Bot. Zeitschr. **9**: 85 (1903).
- Q. palustris** Münchhausen, Hausvat. **5**: 253 (1770).—Sargent, Silva N. Am. **8**: 151, t. 422-3 (1895).—Trelease in Mem. Nat. Acad. Sci. **20**: 158, t. 1, 10, 307 (Am. Oaks) (1924).  
*Quercus rubra*  $\beta$ . *dissecta* Lamarck, Encycl. Méth. Bot. **1**: 720 [1785].  
*Quercus rubra ramosissima* Marshall, Arbust. Am. **122** (1785).
- Q. Richteri** [*Q. borealis maxima*  $\times$  *palustris*] Baenitz in Allg. Bot. Zeitschr. **9**: 85 (1903).
- Q. georgiana** M. A. Curtis in Am. Jour. Sci. n. ser., **7**: 406 (1849).—Sargent, Silva N. Am. **8**: 159, t. 425 (1895).—Trelease in Mem. Nat. Acad. Sci. **20**: 159, t. 307 (Am. Oaks) (1924).
- Q. borealis** Michaux f., N. Am. Sylva, **1**: 98 (1917).—Sargent, Man. Trees N. Am. ed. 2, 241, fig. 221 (1922).—Trelease in op. cit. 195 (1924).  
*Quercus ambigua* Michaux f., Hist. Arb. For. Am. Sept. **2**: 120, t. 24 (1812); non Humboldt & Bonpland (1809).  
*Quercus angulizans* Rafinesque, Alsogr. Am. **22** (1838).  
*Quercus coccinea* var. *ambigua* Gray, Man. Bot. N. U. S. ed. 5, 454 (1867).  
*Quercus rubra* var. *ambigua* (Michx. f.) Fernald in Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 341 (1908).
- Q. borealis** var. *maxima* (Marsh.) Ashe in proc. Soc. Am. For. **11**: 90 (1916).—Sargent, Man. Trees N. Am. ed. 2, 242 (1922).  
*Quercus rubra maxima* Marshall, Arbust. Am. **122** (1785).  
*Quercus rubra* Du Roi, Harbk. Baumz. **2**: 265, t. 5, fig. 2 (1772).—Sargent, Silva N. Am. **8**: 125, t. 409, 410 (1895).—Fernald in Jour. Arnold Arb. **27**: 387, t. 2, fig. 2, 3 (1946).—Non Linnaeus (1753).—NOM. AMBIG. PROPOS. cf. sub *Q. falcata* (p. 120).  
? *Quercus acerifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. **656** (1864).  
*Quercus maxima* (Marsh.) Ashe in Proc. Soc. Am. For. **11**: 90 (1916).—Trelease in Mem. Nat. Acad. Sci. **20**: 194, t. 395 (Am. Oaks) (1924).
- Q. Porteri** (*Q. borealis maxima*  $\times$  *velutina*) Trelease in Proc. Am. Philos. Soc. **56**: 51 (1917), nom. subnud.  
*Quercus Hawkinsii* Sudworth in Am. For. **23**: 685, fig. 1, 2, 5 (1917, Dec.).
- Q. agrifolia** Née in Anal. Cienc. Nat. Madrid, **3**: 271 (1801).—Sargent, Silva N. Am. **8**: 111, t. 403 (1896).—Trelease in Mem. Nat. Acad. Sci. **20**: 206, t. 420 (Am. Oaks) (1924).  
*Quercus oxyadenia* Torrey in Sitgreaves, Rep. Exp. Zuni & Colo. Riv. **172**, t. 17 (1853).  
*Quercus berberidifolia* Liebmam in Danske Vidensk. Selsk. Overs. Forh. **1854**: 172 (1854).  
*Quercus acroglandis* Kellogg in Proc. Calif. Acad. **1**: 25 (1855).  
*Quercus acutiglans* Sargent, Rep. For. N. Am. **146** (U. S. Tenth Census, **9**) (1884).
- Q. Wislizeni** A. de Candolle in De Candolle, Prodr. **16**: 67 (1864).—Sargent, Silva N. Am. **8**: 119, t. 406 (1896).—Trelease in Mem. Nat. Acad. Sci. **20**: 205, t. 419 (Am. Oaks) (1924).
- Subgen. III. LEPIDOBALANUS (Endl.) Oersted in Liebmam, Chênes Am. Trop. **15** (1869); in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. ser. 5, **9**: 365 (Bidr. Kunds. Egefam. **35**) (1871).  
*Quercus* sect. *Lepidobalanus* Endlicher, Gen. Pl. Suppl. **42**: 24 (1847).—A. de Candolle in De Candolle, Prodr. **16**: 3 (1864).—Camus, Chênes, **2**: 1 (1939).  
*Quercus* subgen. *Euquercus* Hickel & A. Camus in Ann. Sci. Nat. Bot. sér. 9, **3**: 379 (1921).  
*Quercus* (subgen.) *Leucobalanus* Trelease in Mem. Nat. Acad. Sci. **20**: 41 (Am. Oaks) (1924).
- Sect. I. AEGILOPS (Reichenb.) Schwarz in Notizbl. Bot. Gart. Mus. Berlin, **13**: 19 (1936).  
*Quercus* c. *Aegilops* Reichenbach, Fl. Germ. Excurs. **177** (1830).—Moss, Cambridge Brit. Fl. **2**: 72 (1914) "subsect."  
*Cerris* Rafinesque, Alsogr. Am. **29** (1836), p. p.—Gandoger, Fl. Eur. **21**: 47 (1890).  
*Quercus* §. II. *Cerris* Loudon, Arb. Brit. **3**: 1846 (1838).—Spach, Hist. Nat. Vég. Phan. **11**: 166 (1824) "sect."  
—Oersted in Vidensk. Meddel. Naturh. For. Kjøbenh. **18**: 78 (1866) "subgen."—Nakai, Fl. Sylv. Kor. **3**: 19 (1917) "subgen."—Camus, Chênes, **1**: 374 (1938) "sect.", p. p.  
*Quercus* sect. *Eucerris* Oersted in Vidensk. Meddel. Naturh. For. Kjøbenh. **18**: 75 (Bidr. Egesl. Syst. **67**) (1866).—Camus, Chênes, **1**: 588 (1938) "subsect."  
*Quercus* sect. *Erythrobalanopsis* Oersted in op. cit. **76** (68) (1866).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, **13**: 19 (1936).
- Q. variabilis** Blume in Mus. Bot. Lugd.-Bat. **1**: 297 (1850).—A. de Candolle in De Candolle, Prodr. **16**: 50 (1864).—Rehder & Wilson in Sargent, Pl. Wilson. **3**: 219 (1916).—Camus, Chênes, **1**: 581, fig. 28, 29 (1938); Atl. **1**: t. 61, fig. 6-15 (1934); Atl. **2**: t. 225, fig. 2 (1938).  
*Quercus chinensis* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 135 (Enum. Pl. Chin. Bor. **61**) (1835), non Abel (1818).  
*Quercus Moulei* Hance in Jour. Bot. **13**: 563 (1875).  
*Quercus Bungeana* Forbes in Jour. Bot. **22**: 83 (1884).  
*Quercus serrata* var. *a. chinensis* (Bge.) Wenzig in Jahrb. Bot. Gart. Mus. Berlin, **4**: 221 (1886).  
*Quercus serrata* sensu Carruthers in Jour. Linn. Soc. Lon. Bot. **6**: 32 (1862); non Thunberg (1784), nec Siebold & Zuccarini (1846).
- Q. acutissima** Carruthers in op. cit. **33** (1862).—Schottky in Bot. Jahrb. **47**: 638 (1912).—Nakai, Fl. Sylv. Kor. **3**: 21, t. 9 (1917).  
*Quercus serrata* sensu Siebold & Zuccarini in Abh. Math.-phys. Cl. Akad. Wiss. Münch. **43**: 226 (Fl. Jap. Fam. Nat. **2**: 102) (1846).—A. de Candolle in De Candolle, Prodr. **16**: 50 (1864).—Non Thunberg (1784).  
*Quercus Bombyx* Hort. Leroy ex K. Koch, Dendr. **2**: 72 (1872), pro syn.  
*Quercus Uchiyamana* Nakai in Repert. Spec. Nov. Reg. Vég. **13**: 250 (1914).  
*Quercus acutissima* subsp. *eu-acutissima* Camus, Chênes, **1**: 571, fig. 26, 27 (1938); Atl. **1**: t. 59, fig. 20-33, t. 235, fig. 1 (1934).

**Quercus** (continued)

- Q. Baronii** Skan in Jour. Linn. Soc. Lond. Bot. **26**: 507 (1899).—Camus, Chênes, **1**: 426 (1938); Atl. **1**: t. 39, fig. 13–20 (1934).  
*Quercus Dielsiana* Seemen in Bot. Jahrb. **29**: 291, fig. 2 (1900).
- Q. castaneaefolia** C. A. Meyer, Verzeich. Pfl. Cauc. 44 (1831).—A. De Candolle in De Candolle, Prodr. **16**: 2: 49 (1864).—Camus, Chênes, **1**: 552 (1938); Atl. **1**: t. 59, fig. 1–12 (1934).  
*Quercus Aegilops* var. *castaneaefolia* K. Koch in Linnaea, **22**: 329 (1849).  
*Quercus castaneaefolia* subsp. *eu-castaneaefolia* Camus, Chênes, **1**: 552 (1938).  
*Quercus castaneaefolia* var. *typica* Camus, op. cit. 555 (1938).
- Q. castaneaefolia** var. *incana* Battandier & Trabut, Fl. Algér. [1]: 822 (1890).  
*Quercus Afares* Pomel, Nouv. Mat. Fl. Atlant. **1**: 391 (1874).—Battandier & Trabut, Fl. Anal. Syn. Algér. Tunis. 308 (1902).—Camus, Chênes, **1**: 557 (1938); Atl. **1**: t. 58 (1934).  
*Quercus castaneaefolia* var. *algeriensis* Bean, Trees Shrubs Brit. Isl. **2**: 304 (1914).  
*Quercus Afares* var. *incana* (Batt. & Trab.) Camus, Chênes, **1**: 559 (1938).
- Q. libani** Olivier, Voy. Emp. Ottoman. **2**: 290 (1807).—Boissier, Fl. Or. **4**: 2: 1173 (1879).—Camus, Chênes, **1**: 517, fig. 20 (1938); Atl. **1**: t. 52 (1934).  
*Quercus regia* Lindley in Bot. Reg. **26** (Appx.): 41 (1840).—Kotschy, Eich. Eur. Or. no. 11, t. (1862).  
*Quercus carduchorum* K. Koch in Linnaea, **22**: 320 (1849).—Kotschy ex Tchihatcheff, Asie Min. III. (Bot.) **2**: 478, t. 40, fig. 2 (1866) "*karduchorum*".  
*Quercus Libani*  $\beta$ . *callicarpa* Kotschy, Eich. Eur. Or. no. 5, t. (1862).  
*Quercus Tchihatchewi* Kotschy ex Tchihatcheff, Asie Min. III. (Bot.) **2**: 468, t. 40, fig. 1 (1866).  
*Cerris libani* Gandoger, Fl. Eur. **21**: 49 (1890).  
*Quercus libani* a. *angustifolia* Dippel, Handb. Laubh. **2**: 100 (1892).
- Q. trojana** Webb in Gard. Mag. (Loudon) **5**: 590 (1839), nom. subnud.—Jaubert & Spach, Ill. Pl. Or. **1**: 111, t. 57a (1842).—A. de Candolle in De Candolle, Prodr. **16**: 2: 47 (1864).—Camus, Chênes, **1**: 562, fig. 23–25 (1938); Atl. **1**: t. 57, fig. 10–18 (1934).  
*Quercus Grisebachii* Kotschy, Eich. Eur. Or. **3** (1862), nom.—Baldacci in Malpighia, **8**: 296 (Riv. Crit. Coll. Bot. Alban. 72) (1894).  
*Quercus macedonica* A. de Candolle in De Candolle, Prodr. **16**: 2: 50 (1854).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 458 (1911).  
*Quercus ostryaefolia* Borbas in Erdész. Lapok. **26**: 932 (1887).  
*Quercus Fragnus* Longo in Boll. Naturalista, **8**: 81 (1888).—Borzi in Malpighia, **2**: 267 (1888), pro syn.  
*Cerris macedonica* Gandoger, Fl. Eur. **21**: 49 (1890).  
*Quercus Aegilops*  $\beta$ . *macedonica* Fiori & Paoletti, Fl. Ital. **1**: 270 (1897).
- Q. macrolepis** Kotschy, Eich. Eur. Or. no. 16, t. (1864).—A. de Candolle in De Candolle, Prodr. **16**: 2: 45 (1864).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, **13**: 19 (1936).  
*Quercus graeca* Kotschy, Eich. Eur. Or. no. 30, t. (1864).  
*Quercus Aegilops* Lamarck, Encycl. Méth. Bot. **1**: 719 [1785].—Schwarz in Repert. Spec. Nov. Reg. Veg. **33**: 328 (1934).—Non Linnaeus (1753); nom. confus.  
*Cerris macrolepis* Gandoger, Fl. Eur. **21**: 49 (1890).  
*Quercus Aegilops* b. *graeca* Gürke in Richter, Pl. Eur. **2**: 70 (1897).  
*Quercus Aegilops* c. *macrolepis* Gürke l. c. (1897).
- Q. Ehrenbergii** Kotschy, Eich. Eur. Or. no. 15, t. (1862).—Camus, Chênes, **1**: 529 (1938); Atl. **1**: t. 54, fig. 11–20 (1934).
- Q. Cerris** Linnaeus, Sp. Pl. 997 (1753).—A. de Candolle in De Candolle, Prodr. **16**: 2: 41 (1864).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 461 (1911).—Camus, Chênes, **1**: 589, fig. 30–31 (1938); Atl. **1**: t. 63–66 (1934).  
*Quercus lanuginosa* Lamarck, Fl. Franç. **2**: 209 (1778).—De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 311 (1805), pro syn.  
*Quercus crinita* Lamarck, Encycl. Méth. Bot. **1**: 718 (1785).  
*Quercus crinita* a. *Q. haliphloeos* Lamarck, l. c. (1785).  
*Quercus crinita*  $\gamma$ . *Q. Cerris* Lamarck, l. c. (1785).  
*Quercus echinata* Salisbury, Prodr. Stirp. Chap. Allert. 393 (1796).  
*Quercus Cerris* var. *1. vulgaris* Loudon, Arb. Brit. **3**: 1847, fig. 1702 (1838).  
*Quercus Cerris* var. *frondosa* Miller ex Loudon, l. c. (1838), pro syn.  
*Cerris australis* Rafinesque, Alsogr. Am. 29 (1838).  
*Quercus frondosa* Miller ex Steudel, Nomencl. Bot. ed. 2, **2**: 426 (1841), pro syn.  
*Quercus Cerris* a. *pinnatifida* Spach, Hist. Nat. Vég. Phan. **11**: 167 (1842).  
*Quercus recurvisquamosa* Saint-Lager, Cat. Pl. Bass. Rhône, 674 (1882).  
*Cerris crinita* Gandoger, Fl. Eur. **21**: 47 (1890).  
*Quercus Cerris* var. a. *typica* Loudon ex Schneider, Ill. Handb. Laubh. **1**: 181 (1904).
- Q. Cerris** f. *laciniata* (Loud.) Schneider, Ill. Handb. Laubh. **1**: 181 (1904).—Camus, Chênes, **1**: 601 (1938); Atl. **2**: t. 235, fig. 8, 9 (1935–6).  
*Quercus Cerris* var. *laciniata* Loudon, Arb. Brit. **3**: 856, fig. 1558 (1838).—A. de Candolle in De Candolle, Prodr. **16**: 2: 42 (1864) " $\beta$ ."
- Q. Cerris** f. *pendula* (Neill) Camus, Chênes, **1**: 601 (1938).  
*Quercus cerris* var. *pendula* Neill in Gilpin, Remarks Forest Scen. ed. Lauder **1**: 73 (1834).—Loudon, Arb. Brit. **3**: 1847, fig. 1707 (1838).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 462 (1911) "*lus*."
- Q. Cerris** var. *austriaca* (Willd.) Loudon, Arb. Brit. **3**: 1848, fig. 1708 (1838).—Camus, Chênes, **1**: 597 (1938); Atl. **1**: t. 65, fig. 1–7 (1938).  
*Quercus austriaca* Willdenow, Sp. Pl. **4**: 1: 454 (1805).—Kotschy, Eich. Eur. Or. no. 20, t. (1862).  
*Cerris austriaca* Rafinesque, Alsogr. Am. 29 (1838).—Gandoger, Fl. Eur. **21**: 48 (1890).  
*Quercus Cerris* var. *sinuata* Schur in Oesterr. Bot. Zeitschr. **7**: 22 (1857).  
*Quercus Cerris* subsp. *Q. austriaca* Schwarz in Repert. Sp. Nov. Reg. Veg. **33**: 840 (1934).
- Q. Cerris** var. *Ambrozyana* (Simonkai) Rehder, Man. Cult. Trees Shrubs, 172 (1927).  
*Quercus Ambrozyana* Simonkai in Magyar Bot. Lapok, **8**: 355 (1909).—Schneider in Silva Tarouca & Schneider, Uns. Freiland-Laubgeh. ed. 2, 325, 462 (1922).

- Quercus Cerris* B. III. b. *Ambroziana* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 463 (1911).
- Q. kewensis** (*Q. Cerris* × *Wislizeni*) Osborn in Gard. Chron. ser. 3, 90: 473, fig. 209 (1931).
- Sect. II. SUBER [Reichenb.] Spach, Hist. Nat. Vég. Phan. 11: 171 (1842).
- Quercus-Suber* Weston, Bot. Univ. 1: 234 (1770), nom. subnud.
- Quercus a. Suber* Reichenbach, Fl. Germ. Excurs. 176 (1831).—Oersted in Vidensk. Meddel. Naturh. For. Kjøbenh. 18: 76 (Bidr. Egesl. Syst. 68) (1866).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 18 (1936), emend.
- Quercus Cocciferae* Webb, Iter Hisp. 15 (1838), nom.
- Quercus* sect. *Coccifera* Webb ex Jaubert & Spach, Ill. Pl. Or. 1: 111 (1843), nom.
- Suber* Gandoger, Fl. Eur. 21: 49 (1890).
- Coccigera* Gandoger, Fl. Eur. 21: 61 (1890).
- Quercus* sect. *Cerris* subsect. *Suber* (Spach) Camus, Chênes, 1: 469 (1938).
- Quercus* subgen. *Sclerophyllodryis* sect. *Coccifera* Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 27 (1936).
- Q. coccifera** Linnaeus, Sp. Pl. 995 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 465 (1909).—Camus, Chênes, 1: 435 (1938); Atl. 1: t. 48, fig. 9–22, t. 49 (1934).
- Quercus-Ilex Coccifera* Weston, Bot. Univ. 1: 234 (1770).
- Quercus pseudo-coccifera* Desfontaines, Fl. Atl. 2: 349 (1799).
- Coccigera Clusii* Gandoger, Fl. Eur. 21: 61 (1890).
- Q. calliprinos** Webb, Iter Hisp. 15 (1838).—Jaubert & Spach, Ill. Pl. Or. 1: 112, t. 57B (1843).—Camus, Chênes, 1: 451, fig. 8–11 (1938); Atl. 1: t. 50, 51 (1934).
- Quercus pseudo-coccifera* Labillardière, Icon. Pl. Syr. Rar. dec. 5: 9, t. 6 (1812), non Desfontaines (1799).
- Quercus coccifera* sensu Tchihatcheff, Asie Min. III. (Bot.) 2: 477 (1866).—Kotschy, Eich. Eur. Or. no. 29, t. (1862).—Non Linnaeus (1753).
- Quercus palaestina* Kotschy, op. cit. no. 19, t. (1864).
- Quercus Fenzlii* Kotschy, op. cit. no. 24, t. (1864).—A. de Candolle in De Candolle, Prodr. 16, 2: 56 (1864).
- Quercus coccifera* var. *calliprinos* Boissier, Fl. Or. 4, 2: 1169 (1879).
- Coccigera calliprinos* Gandoger, Fl. Eur. 21: 64 (1890).
- Coccigera pseudococcifera* Gandoger, op. cit. 63 (1890).
- Quercus coccifera* var. *pseudococcifera* Halacsy, Consp. Fl. Graec. 3: 133 (1904).
- Q. Suber** Linnaeus, Sp. Pl. 995 (1753).—A. de Candolle in De Candolle, Prodr. 16, 2: 41 (1864).
- Quercus-Suber Suber* Weston, Bot. Univ. 1: 234 (1770).
- Quercus suberosa* Salisbury, Prodr. Stirp. Chap. Allert. 392 (1796).
- Quercus subera* Saint-Lager in Ann. Soc. Bot. Lyon, 7: 133 (1880).
- Suber sardoa* Gandoger, Fl. Eur. 21: 58 (1890).
- Suber variabilis* Saporta ex Gandoger, op. cit. 59 (1890).
- Quercus Suber* var. *genuina* Coutinho in Bol. Soc. Broter. 6: 84 (1888).—Camus, Chênes Atl. 1: t. 42, 43 (1934).
- Quercus Suber* subsp. *eu-Suber* Camus, Chênes 1: 469, fig. 12–16 (1938); Atl. 1: t. 40–47 (1934).
- Q. Suber** var. *occidentalis* (Gay) Arcangeli, Comp. Fl. Ital. ed. 2, 183 (1894) “γ.”—Camus, Chênes, 1: 510, fig. 19 (1938); Atl. 1: t. 48, fig. 1–8 (1934) “subsp.”
- Quercus occidentalis* J. Gay in Ann. Sci. Nat. Bot. sér. 4, 6: 243 (1856).
- Quercus cintrana* Welwitsch ex Nyman, Consp. Fl. Eur. 662 (1881).
- Suber occidentalis* Gandoger, Fl. Eur. 21: 58 (1890).
- Q. hispanica** [*Q. Cerris* × *Suber*] Lamarck, Encycl. Méth. Bot. 1: 723 [1785], quoad var. *a.*—Rehder in Jour. Arnold Arb. 1: 133 (1919).—Camus, Chênes, 1: 648 (1938); Atl. 1: t. 88 (1934).
- Quercus pseudosuber* Santi, Viaggio Montam. 1: 156, t. 3 (1795).—Kotschy, Eich. Eur. Or. no. 35, t. (1864).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 463 (1911).
- Quercus Fontanesii* Gussone, Ind. Sem. Hort. Boccadifalco, 10 (1825); Fl. Sicul. Syn. 2: 605 (1844).
- Quercus Ilex* var. *suberosa* Visiani, Fl. Dalmat. 1: 208 (1842).
- Quercus Pseudosuber* var. 2. *Fontanesii* Loudon, Encycl. Trees, 885, fig. 1624 (1842).—Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 202 (1886).
- Quercus pseudococcifera* Henry, Bot. Var. 338 (1853).
- Quercus Cerris* e. *subperennis* A. de Candolle in De Candolle, Prodr. 16, 2: 42 (1864).
- Quercus pseudosuber* var. *Gussonei* A. de Candolle in op. cit. 43 (1864).
- Cerris pseudosuber* Gandoger, Fl. Eur. 21: 49 (1890).
- Cerris Fontanesii* Gandoger, l. c. (1890).
- Quercus pseudo-austriaca*, Lojacono, Fl. Sicul. 2, 2: 379 (1904).
- Quercus pseudo-cerris* Lojacono, op. cit. 381 (1904).
- Quercus hispanica* var. *Gussonei* (DC.) Camus, Chênes, 1: 653 (1938); Atl. 1: t. 77, fig. 4–17 (1934).
- Quercus hispanica* var. *pseudosuber* (Santi) Camus, l. c. (1938); t. 77, fig. 18–25 (1934).
- Q. hispanica** var. *Lucombeana* (Sweet) Rehder in Jour. Arnold Arb. 1: 134 (1919), exclud. syn. Lamarck et Persoon.—Camus, Chênes, 1: 656, fig. 35 (1938).
- Quercus exoniensis* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 39 (1783), nom.—Loudon, Arb. Brit. 3: 1851 (1838), pro syn.
- Quercus Lucombeana* Sweet, Hort. Brit. 370 (1827).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1259, t. 335, fig. 23 (1910).
- Quercus Cerris* var. *Lucombeana* Loudon, Arb. Brit. 3: 1851, fig. 1711–14 (1838).
- Cerris Lucombeana* Gandoger, Fl. Eur. 21: 47 (1890).
- Quercus Cerris* e. *subperennis* β. *Lucombeana* Dippel, Handb. Laubh. 2: 97 (1892).
- Quercus fulhamensis* (f.) *Lucombeana* Zabel in Beissner et al., Handb. Laubh.-Ben. 71 (1903).
- Q. hispanica** var. *crispa* (Loud.) Rehder in Jour. Arnold Arb. 1: 135 (1919).—Camus, Chênes, 1: 659 (1938).
- Quercus Cerris* var. 10. *Lucombeana crispa* Loudon, Arb. Brit. 3: 1856, fig. 1715, 1717c, 1719 (1838).
- Cerris crispa* Gandoger, Fl. Eur. 21: 47 (1890).
- Quercus Lucombeana* var. *crispa* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1261 (1910).
- Q. hispanica** var. *heterophylla* (Loud.) Rehder in Jour. Arnold Arb. 1: 135 (1919).—Camus, Chênes, 1: 659 (1938).
- Quercus Cerris* var. 14. *heterophylla* Loudon, Arb. Brit. 3: 1857, fig. 1719 (1838).
- Quercus Lucombeana* var. *heterophylla* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1261 (1910).
- Q. hispanica** var. *diversifolia* (Henry) Rehder in Jour. Arnold Arb. 1: 135 (1919).—Camus, Chênes, 1: 659 (1938).

**Quercus hispanica** var. **diversifolia** (*continued*)

*Quercus Ilex* var. *diversifolia* hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, ed. 2, 189 (1896), nom.

*Quercus Lucombeana* var. *diversifolia* Henry in Elwes & Henry, 5: 1262, t. 339, fig. 71 (1910).

**Q. hispanica** var. **dentata** (Wats.) Rehder in Jour. Arnold Arb. 1: 134 (1919).—Camus, Chênes, 1: 655 (1938); Atl. 1: t. 78, fig. 26 (1934).

*Quercus Cerris* var. *dentata* Watson, Dendr. Brit. 2: t. 93 (1825).

*Quercus Cerris* var. 8. *fulhamensis* Loudon, Arb. Brit. 3: 1850, fig. 1710 (1838).

*Quercus pseudosuber* e. *gibraltaria* A. de Candolle in De Candolle, Prodr. 16.2: 41 (1864).

*Cerris fulhamensis* Gandoger, Fl. Eur. 21: 47 (1890).

*Quercus Cerris* e. *subperennis* a. *Fulhamensis* Dippel, Handb. Laubb. 2: 96 (1892).

*Quercus fulhamensis* Zabel in Beissner et al., Handb. Laubb.-Ben. 70 (1903).

*Quercus fulhamensis* (f.) *typica* Zabel in op. cit. 71 (1903).

*Quercus Lucombeana* var. *fulhamensis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1261, t. 335, fig. 21 (1910).

**Q. hispanica** var. **latifolia** (Henry) Rehder in Jour. Arnold Arb. 1: 134 (1919).—Camus, Chênes, 1: 656 (1938) "subvar."

*Quercus Lucombeana* var. *fulhamensis latifolia* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1262 (1910).

*Quercus fulhamensis latifolia* Hort. ex Henry, l. c. (1910), pro syn.

**Q. alnifolia** Poech, Enum. Pl. Cypri, 12 (1842).—Camus, Chênes, 1: 430 (1938); Atl. 1: t. 40, fig. 1-14 (1934).

*Quercus cypria* Jaubert & Spach, Ill. Pl. Or. 1: 108, t. 56 (1843).

*Suber alnifolia* Gandoger, Pl. Eur. 21: 61 (1890).

**Q. semicarpifolia** Smith in Rees, Cyclop. 29: *Q.* no. 20 (1819).—Handel-Mazzetti, Symb. Sin. 7: 38 (1929).—Camus, Chênes, 1: 391 (1938); Atl. 1: t. 36, fig. 1-12 (1934).

*Quercus obtusifolia* Hamilton ex D. Don, Fl. Nepal, 56 (1825).

*Quercus semicarpifolia* var. *rufescens* Schottky in Bot. Jahrb. 47: 642 (1912), p. p.

*Craibiodendron Forrestii* W. W. Smith in Notes Bot. Gard. Edinb. 5: 160, t. 110 (1912).

*Quercus aquifolioides* Rehder & Wilson in Sargent, Pl. Wilson. 3: 222 (1916), exclud. var.—Camus, Chênes, 1: 396 (1938); Atl. 1: t. 36, fig. 13-16 (1934).

**Q. monimotricha** (Hand.-Mazz.) Handel-Mazzetti, Symb. Sin. 7: 41 (1929).—Camus, Chênes, 1: 388 (1938); Atl. 1: t. 34, fig. 16-26 (1934).

*Quercus Ilex* var. *rufescens* Franchet in Jour. de Bot. 13: 151 (1899), p. p.

*Quercus semicarpifolia* var. *rufescens* Schottky in Bot. Jahrb. 47: 642 (1912), p. p.

*Quercus aquifolioides* var. *rufescens* Rehder & Wilson in Sargent, Pl. Wilson. 3: 223 (1916).

*Quercus spinosa* var. *monimotricha* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 1925: 129 (Pl. Nov. Sin. Forts. 34: 2) (1925).

**Q. Gilliana** Rehder & Wilson in Sargent, Pl. Wilson. 3: 223 (1916).—Camus, Chênes, 1: 410 (1938); Atl. 1: t. 38, fig. 7-11 (1934).

**Q. Engleriana** Seemen in Bot. Jahrb. 23, Beibl. 57: 47 (1897).—Koidzumi in Icon. Pl. Koisikav. 1: 111, t. 56 (1912).—Rehder & Wilson in Sargent, Pl. Wilson. 3: 220 (1916).—Camus, Chênes, 2: 33 (1939); Atl. 2: t. 88, fig. 13-22, t. 89, fig. 1-9 (1936).

*Quercus obscura* Seemen in Bot. Jahrb. 23, Beibl. 57: 49 (1897).

*Quercus sutchuenensis* Franchet in Jour. de Bot. 13: 150 (1899).

Sect. III. *ILEX* Loudon, Arb. Brit. 3: 1899 (1838).—Endlicher, Gen. Pl. Suppl. 4.2: 24 (1847).—Oersted in Liebmann, Chênes Am. Trop. 17 (1869).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 21 (1936) "subgen. *Sclerophyllodrys* Schwarz sect. i."—Camus, Chênes, 2: 37 (1939) "sect. *Lepidobalanus* subsect. i."

*Quercus-Ilex* Weston, Bot. Univ. 1: 234 (1770).

*Dryopsila* subgen. *Phellodrys* Rafinesque, Alsogr. Am. 26 (1838), p. p.

*Quercus* II. *Mesolepidium* 1. *Aiphyllum* A. *Ilicinia* Kotschy, Eich. Eur. Or. p. ii (1864).

*Suber* Gandoger, Fl. Eur. 21: 49 (1890), p. p.

*Quercus* sect. *Protobalanus* Trelease in Mem. Nat. Acad. Sci. 20: 35, 118 (Am. Oaks) (1924).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 21 (1936) "subgen. *Sclerophyllodrys* sect. P." [quoad sp. 31].

*Quercus* sect. *Prinopsis* Schwarz in op. cit. 14 (1936).

**Q. phillyreoides** Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 406 (1859).—Rehder & Wilson in Sargent, Pl. Wilson. 3: 233 (1916).—Handel-Mazzetti, Symb. Sin. 7: 43 (1929).—Camus, Chênes, 1: 419 (1938); Atl. 1: t. 39, fig. 1-6 (1934).

*Quercus Ilex* var. *phillyreoides* Franchet in Jour. de Bot. 13: 152 (1899) "*phyllireoides*"; p. p.

*Quercus phillyreoides* var. *sinensis* Schottky in Bot. Jahrb. 47: 643 (1912).

*Quercus fokienensis* Nakai in Jour. Arnold Arb. 5: 75 (1924).

**Q. Ilex** Linnaeus, Sp. Pl. 995 (1753).—A. de Candolle in De Candolle, Prodr. 16.2: 38 (1864).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 470 (1911).—Camus, Chênes, 2: 37, fig. 2-16 (1939); Atl. 2: 82-88 (1936).

*Quercus Smilax* Linnaeus, Sp. Pl. 994 (1753).

*Quercus sempervirens* Miller, Gard. Dict. ed. 8, *Q.* no. 3 (1768).

*Quercus-Ilex Ilex* Weston, Bot. Univ. 1: 234 (1770), exclud. *Q. Coccifera*.

*Quercus ilicifolia* Salisbury, Prodr. Stirp. Chap. Allert. 392 (1796), non Wangenheim (1787).

*Quercus pseudoilex* Chatin in Bull. Soc. Bot. France, 16: 22 (1869).

*Suber Ilex* Gandoger, Fl. Eur. 21: 49 (1890).

*Quercus Ilex* a. *genuina* A. *vulgaris* Coutinho in Bol. Soc. Broter. 6: 94 (*Quercus* Portug. 54) (1888).

**Q. Ilex** var. **angustifolia** De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 313 (1805).**Q. Ilex** var. **Fordii** Loudon in Gard. Mag. (Loudon) n. ser., 9: 36 (1843), nom. subnud.—Nicholson, Ill. Dict. Gard. 3: 264 (1886 "(f.)".—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1282 (1910).

*Quercus Fordii* K. Koch, Dendrol. 2.2: 56 (1873), pro syn.

*Quercus Fordii fastigiata* K. Koch, l. c. (1873), pro syn.

*Quercus Ilex fastigiata* Nicholson, Ill. Dict. Gard. 3: 264 (1886), pro syn.

*Quercus Smilax* β. *Fordii* Halacsy, Consp. Fl. Graec. 3: 132 (1904).

- Q. Ilex** var. **rotundifolia** [West.] Battandier in Battandier & Trabut, Fl. Algér. 2: 824 (1890) "(var.)"—Battandier & Trabut, Fl. Anal. Syn. Alg. Tunis. 309 (1902) "γ."—Rehder in Jour. Arnold Arb. 1: 132 (1919).—Camus, Chênes, 2: 66 (1939) "subvar."
- Quercus-Ilex Ilex* var. *rotundifolia* Weston, Bot. Univ. 1: 234 (1770).
- Quercus rotundifolia* Lamarck, Encycl. Méth. Bot. 1: 723 [1785].
- Quercus Ballota* Desfontaines in Mém. Acad. Sci. Paris, 1790: 394, t. 6 (1797); Fl. Atlant. 2: 350 (1800).
- Quercus Alzina* Lapeyrouse, Hist. Abr. Pyrén. 2: 584 (1813).
- Quercus Ilex* β. *Ballota* A. de Candolle in De Candolle, Prodr. 16:2: 39 (1864).—Camus, Chênes, 2: 64, fig. 5 (1939); Atl. 2: t. 87, fig. 16–21, t. 88, fig. 1–12 (1936).
- Quercus Ilex* β. *Ballota* v. *rotundifolia* Coutinho in Bol. Soc. Broter. 6: 95 (*Quercus* Portug. 55) (1888).
- Suber Alzina* Gandoger, Fl. Eur. 21: 56 (1890).
- Suber Ballota* Gandoger, op. cit. 57 (1890).
- Q. Ilex** var. **microphylla** Battandier & Trabut, Fl. Algér. [1:] 825 (1890).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 472 (1911) "A.п.б.2."
- Q. Ilex** var. **crispa** Loddiges Cat. 1836 ex Loudon, Arb. Brit. 3: 1899 (1838).
- Quercus crispa* Hort. ex K. Koch, Dendr. 2,2: 56 (1873), pro syn.
- Q. Ilex** var. **Gramuntia** (L.) Loudon, Encycl. Trees Shrubs, 882 (1842).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1282, t. 339, fig. 68 (1910).—Camus, Chênes, 2: 56 (1939); Atl. 2: t. 87, fig. 15 (1936).
- Q. audleyensis** [*Q. Ilex* × *petraea*] Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1291, t. 338, fig. 59, t. 327 (1910) ("*Q. Ilex* × *sessiliflora*").—Camus, Chênes, 2: 403 (1939).
- Quercus pseudoturneri* Veitch ex Späth, Hauptkat. 98: 106 (1896); in Gartenkunst, 8: 35 (1906).—Non Schneider (1904).
- Quercus Koehnei* Ambrozy ex Schneider, Ill. Handb. Laubh. 2: 901 (1912).—Camus, Chênes, 2: 403 (1939).—Warburg in Jour. Hort. Soc. Lond. 58: 187 (1933).
- Q. chrysolepis** Liebmann in Danske Vidensk. Selsk. Overs. Forh. 1854: 173 (1854).—Sargent, Silva N. Am. 8: 105, t. 398–9 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 118 (Am. Oaks) (1924).
- Quercus fulvescens* Kellogg in Proc. Calif. Acad. Sci. 1: 71 (1855); ed. 2, 75 (1873).
- Quercus crassipocula* Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 4,5: 137; 5: 365, t. 9 (1856).
- Quercus chrysophyllus* Kellogg in Proc. Calif. Acad. Sci. 1: 65 (1855); ed. 2, 67 (1873), nom. subnud.; non Humboldt & Bonpland (1809).
- Q. chrysolepis** var. **vacciniifolia** (Kellogg) Engelman in S. Watson, Fl. Calif. 2: 97 (1880).
- Quercus vacciniifolia* Kellogg in Proc. Calif. Acad. Sci. 1: 96 (1855).—Trelease in Mem. Nat. Acad. Sci. 20: 120, t. 210 (Am. Oaks) (1924).
- Quercus chrysolepis* subsp. (*Q.*) *vacciniifolia* Engelman in Trans. Acad. Sci. St. Louis, 3: 393 (1877).—Sargent, Silva N. Am. 8: 106, t. 400 (1895) "subsp. v."
- Q. virginiana** Miller, Gard. Dict. ed. 8, Q. no. 16 (1768).—Sargent, Silva N. Am. 8: 99, t. 394–5 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 113, t. 189–190 (Am. Oaks) (1924).
- Quercus Phellos* β. Linnaeus, Sp. Pl. 994 (1753).
- Quercus phellos* c. Münchhausen, Hausvat. 5: 255 (1770).
- Quercus phellos* γ. *obtusifolia* Lamarck, Encycl. Méth. Bot. 1: 722 [1785].
- Quercus Phellos sempervirens* Marshall, Arbust. Am. 124 (1785).
- Quercus sempervirens* Walter, Fl. Carol. 234 (1788), non Miller (1768).
- Quercus virens* Aiton, Hort. Kew. 3: 356 (1789).—A. de Candolle in De Candolle, Prodr. 16,2: 37 (1864).
- Dryopsila virens* Rafinesque, Alsogr. Am. 28 (1838).
- Q. reticulata** Humboldt & Bonpland, Pl. Aequinoct. 2: 40, t. 86 (1809).—Trelease in Mem. Nat. Acad. Sci. 20: 75, t. 98, 99 (Am. Oaks) (1924).
- Q. obtusata** Humboldt & Bonpland, op. cit. 26, t. 76 (1809).—Trelease in op. cit. 62, t. 61, 62 (1924).
- Sect. iv. GALLIFERA Spach, Hist. Nat. Vég. Phan. 11: 170 (1842).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 472 (1911).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 16 (1936).
- Quercus* subgen. *Lepidobalanus* 1. *Microlepidium* 2. *Chimonophyllum* A. Galliferae Kotschy, Eich. Eur. Or. [ii] (1864).
- Quercus* C. *Quercigo* Nyman, Consp. Fl. Eur. 661 [1881], nom. subnud.
- Quercus* sect. *Lepidobalanus* e. *Gallifera* Prantl in Nat. Pflanzenfam. III. 1: 57 (1889).
- Quercigo* Gandoger, Fl. Eur. 21: 45 (1890), nom. subnud.
- Quercus* subgen. *Lepidobalanus* sect. *Eulepidobalanus* subsect. *Galliferae* Maleyev in Komarov, Fl. U. S. S. R. 5: 333 (1936).—Camus, Chênes, 2: 148 (1939) "sect. *Lepidobalanus* subsect. *G.*"
- Q. lusitanica** Lamarck, Encycl. Méth. Bot. 1: 719 [1785].—Hooker in Hooker's Icon. Pl. 6: t. 562 (1843).—Schwarz, Monog. Eich. Eur. 1: 210 (1937); 2 (Atl.) t. 52 (1939).
- Quercus valentina* Cavanilles, Icon. Descr. Pl. Hisp. 2: 25, t. 129 (1793).
- Quercus Lusitanica* a. *genuina* Boissier, Fl. Or. 4: 1167 (1879).
- Quercigo lusitanica* Gandoger, Fl. Eur. 21: 45 (1890).
- Quercus faginea* Sampaio in Ann. Sci. Acad. Polytech. Porto, 6: 164 (1910), non Lamarck (1789).
- Q. infectoria** Olivier, Voy. Emp. Ottoman. 1: 252, t. 14, 15 (1801).—Schwarz, Monog. Eich. Eur. 1: 195 (1937); 2 (Atl.): t. 48, 49 (1937–9).—Camus, Chênes, 2: 183 (1939); Atl. 2: t. 108, fig. 1–13 (1934).
- Quercus lusitanica* sensu Webb, Iter Hisp. 12 (1838), p. p.—Boissier, Fl. Or. 4: 1166 (1879), p. p.—Non Lamarck [1785].
- Quercus Thirkeana* K. Koch in Linnaea, 19: 14 (1847).
- Quercus alpestris* sensu K. Koch in Linnaea, 22: 318 (1849), non Boissier (1838).
- Quercus valentina* sensu K. Koch in op. cit. 319 (1849), non Cavanilles (1793).
- Quercus infectoria* a. *genuina* K. Koch in op. cit. 318 (1849).
- Quercus lusitanica* subsp. *orientalis* a. *infectoria* A. de Candolle in De Candolle, Prodr. 16,2: 18 (1864), p. p.
- Quercus lusitanica* var. *infectoria* Baillon, Traité Bot. Méd. 2: 1008 (1884).
- Quercus humilis* var. *prasina* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 193 (1886).
- Quercigo infectoria* Gandoger, Fl. Eur. 21: 46 (1890).
- Quercus infectoria* subsp. *glabra* f. *genuina* (K. Koch)

**Quercus infectoria** (*continued*)

- Schwarz, Monog. Eich. Eur. 1: 198; 2 (Atl.): t. 48 (1937).
- Quercus infectoria* subsp. *puberula* Schwarz, l. c. t. 44, fig. 1-24 (1937).
- Quercus infectoria* subsp. *eu-infectoria* Camus, Chênes, 2: 186 (1939).
- Q. fruticosa** Brotero, Fl. Lusit. 2: 31 (1804).—Schwarz Monog. Eich. Eur. 1: 192; 2 (Atl.) t. 47, fig. 1-24 (1937).—Camus, Chênes, 2: 168 (1939); Atl. 2: t. 114, fig. 15-22 (1936).
- Quercus humilis* Lamarck, Encycl. Méth. Bot. 1: 719 [1785].—A. de Candolle in De Candolle, Prodr. 16,2: 16 (1864).—Non Miller (1768); NOM. AMBIG. PROPOS., cf. Schwarz, Monog. Eich. Eur. 1: 165 (1937).
- Quercus pentadactyla* Bosc in Mém. Cl. Sci. Math. Phys. Inst. Nat. France, 1807,1: 331 (Mém. Chênes, 27) (1807), nom. subnud.
- Quercus lusitanica* subsp. *faginea*  $\beta$ . *brevipetiolata* A. de Candolle in De Candolle, Prodr. 16,2: 17 (1864).
- Quercigo humilis* Gandoger, Fl. Eur. 21: 46 (1890).
- Quercus lusitanica* var. *humilis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1324 (1910).
- Quercus faginea* subsp. *lusitanica* Maire in Bull. Soc. Hist. Nat. Afr. N. 22: 64 (1931).
- Q. inermis** Kotschy in Unger & Kotschy, Ins. Cypern, 216 (1865).—Schwarz, Monog. Eich. Eur. 1: 182 (1937); 2 (Atl.) t. 43, fig. 1-10 (1937).
- Quercus syriaca* Kotschy, Eich. Eur. Or. no. 1, t. (1864).
- Quercus lusitanica* subsp. *orientalis* A. de Candolle in De Candolle, Prodr. 16,2: (1864), p. p.
- Quercus Pfaeffingeri* Kotschy in Unger & Kotschy, Ins. Cypern, 215 (1865).
- Quercigo cypria* Gandoger, Fl. Eur. 21: 47 (1890).
- Quercigo inermis* Gandoger, l. c. (1890).
- Quercus Veneris* Kerner ex Schneider, Ill. Handb. Laubh. 1: 191 (1904).
- Quercus lusitanica* subsp. *Veneris* Holmboe, Stud. Veget. Cyprus, 60 (1914).
- Quercus inermis* f. *veneris* (Kern.) Schwarz, Monog. Eich. Eur. 1: 184; 2 (Atl.): t. 43, fig. 1-9 (1937).
- Quercus infectoria* subsp. *Boissieri* var. *insularis* Camus, Chênes, 2: 190 (1939).
- Sect. v. **ROBUR** Reichenbach, Fl. Germ. Excurs. 177 (1831).—Loudon, Arb. Brit. 3: 1731 (1838).—Schwarz in Repert. Sp. Nov. Reg. Veg. 33: 323 (1934); in Notizbl. Bot. Gart. Mus. Berlin, 13: 13 (1936).
- Quercus* subgen. *Lepidobalanus* r. i. e. *Dascia* Kotschy, Eich. Eur. Or. [ii] (1862).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 14 (1936) "sect."
- Quercus* sect. *Eulepidobalanus* Oersted in Vidensk. Meddel. Naturh. For. Kjøbenh. 18: 65 (Bidr. Egesl. Syst. 57) (1866).
- Quercus a. Euquercus* Gandoger, Fl. Eur. 21: 31 (1890), nom. subnud.
- Quercus* sect. *Roburoides* Schwarz in Notizbl. Bot. Gart. Berlin, 13: 10 (1936).
- Quercus* sect. *Mesobalanus* Camus, Chênes, Atl. 1: 49 (1934); Texte, 1: 607 (1939); in Bull. Soc. Bot. France, 81: 815 (1934), p. p.
- Quercus* subgen. *Lepidobalanus* sect. *Cerridopsis* Maleyev in Jour. Bot. U. R. S. S. 20: 163 (1935); in Komarov, Fl. S. S. S. R. 5: 330 (1935), quoad *Q. macranthera* et *Q. conferta*.
- Q. pontica** K. Koch in Linnaea, 22: 319 (1849).—A. de Candolle in De Candolle, Prodr. 16,2: 49 (1864).—

Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1321, t. 339 (1910).—Schwarz, Monog. Eich. Eur. 1: 56 (1937); 2 (Atl.): t. 1 (1936).—Camus, Chênes, 1: 619 (1938); Atl. 1: t. 71 (1934).

- Q. Hickelii** (*Q. pontica*  $\times$  *robur*) Camus in Rev. Sci. 22: 66 (1935); Chênes, Atl. 2: 60, t. 164, fig. 9 (1936); Texte, 2: 425 (1939).
- Q. canariensis** Willdenow, Enum. Hort. Berol. 975 (1809).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 16 (1936); Monog. Eich. Eur. 1: 178; 2 (Atl.): t. 42 (1937).
- Quercus lusitanica*  $\beta$ . *baetica* Webb, Iter Hisp. 12 (1838).—Boissier, Voy. Bot. Esp. 2: 576 (1845).
- Quercus lusitanica*  $\gamma$ . *Salzmanniana* Webb, l. c. (1838).
- Quercus Mirbeckii* Durieu ex Bory de St. Vincent in Compt. Rend. Acad. Sci. Paris, 17: 273 (1843), nom. subnud.—Durieu in Rev. Bot. (Duchartre) 2: 426 (1847).—Camus, Chênes, 2: 150, fig. 20-23 (1939); Atl. 2: t. 115-118 (1938).
- Quercus lusitanica* subsp. *baetica*  $\alpha$ . *Mirbeckii* A. de Candolle in De Candolle, Prodr. 16,2: 19 (1864).
- Quercus Mirbeckii* var.  $\beta$ . *Q. canariensis* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 194 (1886).
- Quercus lusitanica*  $\delta$ . *Mirbeckii* Coutinho in Bol. Soc. Broter. 6: 69 (1888).—Gürke in Richter, Pl. Eur. 2: 69 (1897) "var."
- Quercigo Mirbeckii* Gandoger, Fl. Eur. 21: 46 (1890).
- Quercus faginea* subsp. *baetica* (A. DC.) Maire in Bull. Soc. Hist. Nat. Afr. Nord, 22: 65 (1931).
- Quercus canariensis* f. *Mirbeckii* (Dur.) Schwarz, Monog. Eich. Eur. 1: 181; Atl. 2: t. 41, fig. 5, 7, 8, t. 42, fig. 1-3, 5, 6 (1937).
- Q. macranthera** Fischer & Meyer in Hohenacker in Bull. Soc. Nat. Moscou, 1838[9]: 260 (Enum. Pl. Talysch) (1838).—Schwarz, Monog. Eich. Eur. 1: 122 (1937); 2 (Atl.): t. 24 (1936).—Camus, Chênes, 1: 622 (1938); Atl. 1: t. 72 (1934).
- Q. Frainetto** Tenore, Fl. Napol. Prodr. Suppl. 2: LXIX (1813); Cat. Hort. Neap. 1813 Appx. 1: 75 (1816); Syn. Nov. Pl. Prodr. Fl. Neap. (in Cat. Pl. Hort. Neap. App. I, ed. 2) 65 (1819); Syll. Pl. Fl. Neapol. 470 (1831) "typographica menda sic evulgata", pro syn.—Schwarz, Monog. Eich. Eur. 1: 132 (1937); 2 (Atl.): t. 29 (1936).
- Quercus Esculus* Linnaeus, Sp. Pl. 996 (1753), p. p.; NOM. AMBIG. PROPOS., cf. Schwarz, Monog. Eich. Eur. 1: 135 (1937).—Sensu Bosc in Mém. Inst. Nat. Acad. Sci. Paris, 1807, 1: 325 (1807).—K. Koch in Linnaea, 22: 322 (1849).
- Quercus conferta* Kitaibel in Schultes, Oester. Fl. ed. 2, 1: 619 (1814).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1316, t. 335, fig. 26 (1910); 2: t. 78, fig. 5 (1907).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 475 (1911).
- Quercus hungarica* Hubeny in Rössler, Gemeinnütz. Blätt. Ofn.-Pesth. Zeit. 20,2: 754 (1830); in Allg. Forst. & Jagd-Jour. 4: 164 (1831).—Kitaibel ex Kanitz in Linnaea, 32: 353 (1863).
- Quercus Farnetto* Tenore, Syll. Pl. Fl. Neap. 470, 541 (emend.) "*Farnetta*" (1831).—Camus, Chênes, 1: 626, fig. 3 (1938); Atl. 1: t. 73, 74 (1934).
- Quercus strigosa* Wierzb. ex Rochel, Reise Banat. 73 (1838).
- Quercus pannonica* Booth ex Gordon in Gard. Mag. (Loudon) 16: 637 (1840).
- Quercus Toza*  $\gamma$ . *rumelica* Grisebach, 2: 337 (1844), p. p.



- Quercus Toza* δ. *apennina* Grisebach, l. c. (1844).  
*Quercus rumelica* Grisebach & Schenk in Arch. Naturgesch. (ed. Wiegmann) 18: 353 (Iter Hung.) (1852).  
*Quercus Esculus* var. *velutina* Grisebach & Schenk, l. c. (1852).  
*Quercus sessiliflora* f. *conferta* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. 51: 25 (1880).  
*Quercus spectabilis* Kitaibel ex Simonkai in Magyar Növ. Lapok, 7: 67 (1883), pro syn.  
*Quercus slavonsica* Kitaibel ex Borbas in Erdesz. Lapok, 25: 230 (1886) ex Schwarz, Monog. Eich. Eur. 1: 133 (1937), pro syn.  
*Quercus byzantina* Borbas in op. cit. 26: 941 (1887).  
*Quercus Toza* subsp. *conferta* Maire & Petitmengin, Ét. Pl. Vasc. Grèce, fasc. 4: 199 (1908).
- Q. pyrenaica** Willdenow, Sp. Pl. 4.1: 451 (1805).—Schwarz, Monog. Eich. Eur. 1: 139 (1937); 2 (Atl.) t. 31, 32 (1936).  
*Quercus nigra* Thore, Ess. Chloris Landes, 381 (1803), non Linnaeus (1753).  
*Quercus Cerris* γ. *Q. tomentosa* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 311 (1806).  
*Quercus humilis* De Candolle in op. cit. 312 (1806), p. p.; non Miller (1768).  
*Quercus Tauzin* Persoon, Syn. Pl. 2: 571 (1807).  
*Quercus castellana* Bosc ex Persoon, l. c. (1807).  
*Quercus brossa* Bosc in Mém. Cl. Sci. Math. Phys. Inst. Nat. France, 1807, 1: 319 (Mém. Chênes, 15. 1807) (1808).  
*Quercus Auzin* Bosc in op. cit. 320 (p. 16) (1807).  
*Quercus Toza* Bosc \* ex De Candolle in Mém. Soc. Agric. Dép. Seine, 12: 229 (Rapp. Voy. Bot. Sud-Est, 1: 19) (1808), nom. subnud.—Bâtard [T. Bastard], Ess. Fl. Marne Loire, 346 (1809).—Camus, Chênes, 1: 637, fig. 34 (1938); Atl. 1: t. 75, 76 (1934).  
*Quercus Tauza* Desfontaines, Hist. Arb. 2: 510 (1809).  
*Quercus stolonifera* Lapeyrouse, Hist. Arb. Pl. Pyrén. 582 (1813).  
*Quercus pedemontana* Perret hb. ex Colla, Herb. Pedem. 5: 185 (1836); 8: t. 91, fig. 2 (1837).  
*Quercus Tozza* Grenier & Godron, Fl. France, 3: 117 (1855).  
*Quercus Rechini*, *Q. Trabuti*, *Q. Guerangeri*, *Q. andegavensis* Hy in Bull. Soc. Bot. France, 41: 556–558 (1895).  
*Quercus Tauzini* Bubani, Fl. Pyrén. 1: 67 (1897).  
*Quercus tozae* Ascherson & Graebner, Syn. Mitteleur, Fl. 4: 477 (1911).
- Q. pubescens** Willdenow, Berlin. Baumz. 279 (1796).—Schwarz, Monog. Eich. Eur. 1: 161 (1937); 2 (Atl.): t. 37–40 (1937).  
*Quercus robur* δ. *lanuginosa* Lamarck, Encycl. Méth. Bot. 1: 717 (1785).  
*Quercus lanuginosa* Thuillier, Fl. Envir. Paris, ed. 2, 502 (1799).—Camus, Chênes, 2: 263, fig. 36–45 (1939); Atl. 2: t. 128–138, 139, fig. 1–2 (1936).—Non Lamarck (1778).  
*Quercus sessiliflora* a. *glomerata* De Candolle in Lamarck & De Candolle, Fl. Franç. éd. 3, 3: 310 (1805).  
*Quercus nigra* De Candolle in Lamarck & De Candolle, Fl. Franç. 5: 510 (1815), non Linnaeus (1753), nec Thore (1803).  
*Quercus glomerata* De Candolle, l. c. (1815).  
*Quercus aspera* Persoon, Syn. Pl. 2: 571 (1807).
- \* Bosc in Jour. Hist. Nat. Paris, 2: 155, t. 32, fig. 3 (1792). The name of the oak appears here only in the genitive form as the specific epithet of the name of a gall insect "*Cynips Quercus Tozae*", without any description of the plant itself. In 1807 in his Mémoire des Chênes (see above) on p. 317 he calls this oak *Q. pyrenaica* Willd.; *Quercus castellana* ex Persoon appears on p. 328 as "chêne castellan."
- Quercus aspera* Bosc in Mém. Cl. Sci. Math. Phys. Inst. Nat. France, 8: 328 (Mém. Chênes, 24. 1807) (1808).  
*Quercus palensis* v. Palassou, Mém. Hist. Nat. Pyrén. 171 (1815), sine descript. fructus.  
*Quercus Robur* sensu Burnett in Burgess, Eidodendron, 3 (1827), non Linnaeus (1753).  
*Quercus sessiliflora* var. *pubescens* Loudon, Arb. Brit. 3: 1736, fig. 1573 (1838).—Boissier, Fl. Or. 4: 1165 (1879), p. p.  
*Quercus leptobalana* Gussone, Fl. Sicul. Syn. ed. 2, 2: 608 (1844).  
*Quercus argentea* Heuffel in Oester. Bot. Wochenbl. 4: 114 (1854).  
*Quercus microbalanos* Boreau, Fl. Centr. France, ed. 3, 2: 588 (1857).  
*Quercus Ménesiensis* Kitaibel in Linnaea, 32: 353 (1863).  
*Quercus undulata* Kitaibel in op. cit. 254 (1863), non Torrey (1828), nec Benthams (1837).  
*Quercus ambigua* Kitaibel in op. cit. 254 (1863), nom. subnud.; non Humboldt & Bonpland (1809), nec Michaux f. (1812).  
*Quercus vertesiensis* Kitaibel in op. cit. 254 (1863), nom. nud.  
*Quercus cuneata* Kitaibel in op. cit. 355 (1863), non Wangenheim (1787), nec Tenore (1836).  
*Quercus Robur* subsp. *sessiliflora* p. *lanuginosa* A. de Candolle in De Candolle, Prodr. 16.2: 10 (1864).  
*Quercus coronensis* Schur, Enum. Pl. Transsilv. 607 (1866).  
*Quercus oxycarpa* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. 22: 13 (1873); in op. cit. 51: 10 (1880) "*Q. pubescens* f. *Q. o.*"  
*Quercus crispula* Vukotinović in op. cit. 22: 14 (1873); Formae Querc. Croat. 11, fig. 4 (1883); non Blume (1850).  
*Quercus acutiloba* Borbas in Munkál. Magyar Orvos. Termesz. Nagyg. 1879: (Budapest. Körn. Növen. 69) (1879).  
*Quercus pubescens* f. *Q. crispa* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. 51: 18 (1880), non *Q. c.* Hort. ex Steudel (1840).  
*Quercus pubescens* f. *Croatica* Vukotinović in op. cit. 20 (1880).  
*Quercus pubescens* f. *erythrolepis* Vukotinović in op. cit. 12 (1880).  
*Quercus pubescens* f. *Q. torulosa* Vukotinović in op. cit. 14 (1880); Formae Querc. Croat. 10, fig. 2 (1883) "*A. t.*"  
*Quercus pubescens* f. *Q. Susedana* Vukotinović in op. cit. 15 (1880); in op. cit. 10, fig. 1 (1883) "*Q. S.*"  
*Quercus glomerulosa* Vukotinović, Formae Querc. Croat. 11, fig. 5 (1883).  
*Quercus Borbasii* Vukotinović, op. cit. 11 (1883).—Schwarz, Monog. Eich. Eur. 1: 163 (1937) "*Borbasiana*"; pro syn.  
*Quercus Pilari* Vukotinović, op. cit. 12 (1883).  
*Quercus saxicola* Vukotinović, op. cit. 12, fig. 7 (1883).  
*Quercus platyloba* Vukotinović, op. cit. 13, fig. 9 (1883).  
*Quercus decipiens* Vukotinović, op. cit. 14 (1883).  
*Quercus latifolia* Vukotinović, op. cit. 14 (1883), non Hort. ex Steudel (1841), pro syn.  
*Quercus parvifolia* Vukotinović, op. cit. 14 (1883).  
*Quercus longiloba* Vukotinović, op. cit. 14 (1883).  
*Quercus ilicifolia* Vukotinović, op. cit. 15, fig. 11 (1883), non Wangenheim (1787).  
*Quercus Wormastiny* Vukotinović, op. cit. 16, fig. 12 (1883).—Schwarz, Monog. Eich. Eur. 1: 163 (1937) "*Wormastinyana*"; pro syn.

**Quercus pubescens** (continued)

- Quercus fulcrata* Vukotinović, op. cit. 16, fig. 13 (1883).  
*Quercus bullata* Vukotinović, op. cit. 16, fig. 14 (1883).  
*Quercus aceroides* Vukotinović, op. cit. 16 (1883).  
*Quercus crassifolia* Vukotinović, op. cit. 16 (1883).  
*Quercus stenolepis* Vukotinović, op. cit. 17 (1883).  
*Quercus cuneisecta* Borbas in Erdesz. Lapok, **26**: 322 (1887).  
*Quercus Bačunensis* Vukotinović in Verh. Zool.-Bot. Ges. Wien, **39**: 194 (1889).  
*Quercus sectifolia* Vukotinović in op. cit. 194 (1889).  
*Quercus heterophylla* Vukotinović, op. cit. 195 (1889), non Michaux f. (1812).  
*Quercus lacinifolia* Vukotinović, op. cit. 195 (1889).  
*Quercus rufa* Vukotinović, op. cit. 195 (1889).  
*Quercus corilifolia* Vukotinović, op. cit. 196 (1889).  
*Quercus pusilla* Vukotinović, op. cit. 196 (1889).  
*Quercus tetracarpa* Vukotinović, op. cit. 196 (1889).  
*Quercus brevipedunculata* var. *pubescens* (Willd.) St. Lager in Cariot, Ét. Fleurs, ed. 8, **2**: (Fl. Bass. Rhône Loire): 743 (1889).  
*Quercus lanuginosa* a. *typica* Beck, Fl. Nieder-Oester. 270 (1892). — Halacsy, Consp. Fl. Graec. **3**: 627 (1904). — Camus, Chênes, **2**: 274 (1939) "var."  
*Quercus sessiliflora* subsp. *lanuginosa* Maire et Petitmen- gin, Ét. Pl. Vasc. Grèce, **4**: 198 (1906).  
*Quercus Nicotrae* Lojacocono Pojero, Fl. Sicul. **2,2**: 375 (1907).  
*Quercus lanuginosa* subsp. *eulanuginosa* Hayek, Prodr. Fl. Penins. Balc. **1**: 75 (1924).  
*Quercus pubescens* subsp. *lanuginosa* (Lam.) Schwarz in Repert. Sp. Nov. Reg. Veg. **33**: 335 (1934).  
*Quercus multiflora*, *Q. pachyphylla* et *Q. violascens* Vuko- tinović ex Schwarz, Monog. Eich. Eur. **1**: 163 (1937), pro syn.  
**Q. pubescens** var. *pinnatifida* (Gmel.) A. Braun ex Spen- ner, Fl. Friburg. **2**: 282 (1827). — Schwarz, Monog. Eich. Eur. **1**: 169; **2** (Atl.): t. 37, fig. 1-7 (1937) "var. *lanuginosa* f. p."  
*Quercus pinnatifida* Gmelin, Fl. Grossherz. Bad. **4**: 673 (1826).  
*Quercus Robur* β. *lanuginosa* k. *pinnatifida* Borzi, Fl. For. Ital. 163 (1886).  
**Q. pubescens** f. *crispata* (Stev.) Schwarz, Monog. Eich. Eur. **1**: 173; **2** (Atl.): t. 39, fig. 1-8, 12, 13, 19, 20 (1937) "subsp. *anatolica* f. c."  
*Quercus crispata* Steven in Bull. Soc. Nat. Moscou, **30,1**: 386 (1857).  
**Q. Virgiliana** Tenore, Fl. Neap. **5**: 262 (1836); Syll. Pl. Vasc. Fl. Neap. Appx. **5**: 48 (1842). — Schwarz, Monog. Eich. Eur. **1**: 154; **2** (Atl.): t. 36, fig. 1-10 (1937).  
*Quercus Robur* var. *Virgiliana* Tenore, Syll. Pl. Vasc. Fl. Neap. ed. fol. 134; ed. 8°, 468 (1831).  
*Quercus cuneata* Tenore, Fl. Neap. **5**: 259 (1836), non Wangenheim (1787).  
*Quercus pedunculata* var. *dulcis* Loudon, Arb. Brit. **3**: 1735 (1838).  
*Quercus amplifolia* Gussone, Fl. Sicul. 607 (1844).  
*Quercus Budayana* Haberle ex Heuffel in Zeitschr. Nat.-Heilk. Ungarn, **1**: 98 (1850).  
*Quercus Streimii* Heuffel in op. cit. 97 (1850), p. p.  
*Quercus Robur* subsp. *sessiliflora* β. *Tenorei* A. De Can- dolle in De Candolle, Prodr. **16,2**: 7 (1864).  
*Quercus Robur* subsp. *sessiliflora* γ. *Virgiliana* A. De Can- dolle, l. c. (1864).  
*Quercus brachyphyllodes* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. **51**: 19 (1880).  
*Quercus Hirciana* Vukotinović ex Hirc in Rad Jugoslav. Akad. Znan. Umjet. **69**: 212 (1884), descr. slavica.  
*Quercus Dalechampii* sensu Wenzig in Jahrb. Bot. Gart. Mus. Berlin, **4**: 191 (1886), non Tenore (1831).  
*Quercus sulcata* Vukotinović in Verh. Zool.-Bot. Ges. Wien, **39**: 196 (1889).  
*Quercus Vukotinovicii* Borbas in Bot. Centralbl. **37**: 129 (1889).  
*Quercus lanuginosa* var. *Virgiliana* Camus, Chênes, Atl. **2**: 40, t. 139, fig. 1 (1936); Texte, **2**: 278, 798 (1939).  
**Q. petraea** [Mattuschka] Linn. ex Lieblein, Fl. Fuld. 403 (1784). — Schwarz, Monog. Eich. Eur. **1**: 75 (1937); **2** (Atl.): t. 9, fig. 1-5, t. 10, fig. 1-8 (1936).  
*Quercus Robur* β. Linnaeus, Fl. Suec. **2**: 340 (1755).  
*Quercus Robur* sensu Miller, Gard. Dict. ed. 8, *Q.* no. 1 (1768), non Linnaeus (1753).  
*Quercus Robur* Spielart *Q. petraea*, Mattuschka, Fl. Siles. **2**: 375 (1777).  
*Quercus Robur* a. *platyphylla* Lamarck, Encycl. Méth. Bot. **1**: 717 [1785].  
*Quercus Robur brevipeduncula* [Ehrhart], Verz. Bäume Sträucher Herrenhaus. 23 (1787), nom.  
*Quercus petiolata* [Winterl], Ind. Sem. Hort. Bot. Univ. Hung. Pest. (1788), nom. nud. — Döll, Rhein. Fl. 275 (1843), nom. tentat. altern. — Schur in Oester. Bot. Wochenbl. **7**: 18 (1857).  
*Quercus sessilis* Ehrhart [Arb. Frut. Dec. ix, 87, no. 20 (1789)]; Beitr. Naturk. **5**: 142, 161 (1790), nom. nud. — Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 510 (1911). — Camus, Chênes, **2**: 200, fig. 30-35 (1939); Atl. **2**: t. 122-7, 236, fig. 16 (1936).  
*Quercus Robur* var. *Q. sessilis* Martyn, Fl. Rust. no. 10 [p. 2] t. 11, 12 (1792).  
*Quercus sessiliflora* Salisbury, Prodr. Stirp. Chap. Allert. 392 (1796).  
*Quercus conglomerata* Persoon, Syn. Pl. **2**: 570 (1807).  
*Quercus sublobata* Kitaibel in Schultes, Oester. Fl. ed. 2, **1**: 619 (1814).  
*Quercus regalis* Burnett in Burgess, Eidodendron, 3 (1827). — Burnett ex Endlicher, Gen. Pl. Suppl. **4,2**: 24 (1847), pro syn.  
*Quercus Robur* var. *sessiliflora* Wahlenberg, Fl. Suec. ed. 2, 626 (1833).  
*?Quercus dispar*, *Q. durinus*, *Q. nigrescens* Rafinesque, Alsogr. Am. 19 (1838).  
*Quercus intermedia* D. Don in Leighton, Fl. Shropsh. 473 (1841). — Don ex Babington, Man. Brit. Bot. ed. 2, 301 (1847). — Non Reichenbach (1830).  
*Quercus sessiliflora* var. *genuina* Willkomm & Lange, Prodr. Fl. Hisp. **1**: 238 (1861).  
*Quercus Robur* subsp. *sessiliflora* §. *communis* A. De Can- dolle in De Candolle, Prodr. **16,2**: 8 (1864).  
*Quercus sessiliflora* a. *legitima* Schur, Enum. Pl. Trans- silv. 605 (1866).  
*Quercus longipetiolata* Döll, Rhein. Fl. 275 (1843), nom. tentat. altern. — Schur, op. cit. 607 (1866).  
*Quercus sessiliflora* var. *sphaerocarpa* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. **22**: 7 (1873).  
*Quercus longepedunculata* Willkomm, Forstl. Fl. 864 (index) (1875), sphalm. pro "*longipetiolata*".  
*Quercus sphaerocarpa* Schlosser, Bilinar, 472 (1876).  
*Quercus Columbaria* Vukotinović, Formae Querc. Croat. 21 (1883).  
*Quercus ovalifolia* Vukotinović, l.c. (1883).  
*Quercus castanoides* Vukotinović, op. cit. 20, fig. 15 (1883); in Verh. Zool.-Bot. Ges. Wien, **39**: 198 (1889).  
*Quercus avellanoides* Vukotinović in op. cit. 197 (1889).  
*Quercus spathulaefolia* Vukotinović in op. cit. 197 (1889).

- Quercus erythronura* Vukotinović, op. cit. 198 (1889).  
*Quercus calvescens* et *Q. microcarpa* Vukotinović ex Schwarz, Monog. Eich. Eur. 1: 76 (1837), pro syn.; non *Q. microcarpa* Lapeyrouse (1818), nec Liebmann (1854).  
*Quercus intercedens* Beck, Fl. Nieder-Oester. 271 (1890).  
*Quercus sessilis* var. *typica* Beck, op. cit. 272 (1890).  
*Quercus brevipedunculata* St.-Lager in Cariot, Ét. Fleurs, ed. 8, 2 (Fl. Bass. Rhône Loire): 743 (1897).  
*Quercus latifolia* Bubani, Fl. Pyren. 1: 66 (1897), non Hort. ex Steudel (1841).  
*Quercus petraea* f. *platyphylla* (Lam.) Schwarz subf. *normalis* Schwarz, Monog. Eich. Eur. 1: 79; 2 (Atl.): t. 10, fig. 2, 3, 5, (1937), pro syn.
- Q. petraea** f. *purpurea* (Jäg.), grad. nov.  
*Quercus sessiliflora* var. *purpurea* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 293 (1884).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 293 (1907).  
*Quercus sessiliflora rubicunda* Nicholson, Ill. Dict. Gard. 3: 266 (1886).  
*Quercus sessilis* l. *purpurea* Dippel, Handb. Laubh. 2: 67 (1892).—Schneider, Ill. Handb. Laubh. 1: 196 (1904) "f."  
*Quercus petraea* lus. *purpurea* (Schn.) Schwarz, Monog. Eich. Eur. 1: 81 (1937).
- Q. petraea** f. *mespilifolia* (Wallr.), grad. nov.  
*Quercus sublobata* Kitaibel in Schultes, Oester. Fl. 1: 619 (1814).  
*Quercus robur* var. *mespilifolia* Wallroth, Sched. Crit. 494 (1822).  
*Quercus sessiliflora* (f.) *Louettei* Kirchner in Petzold & Kirchner, Arb. Muscav. 631 (1864).  
*Quercus sessiliflora* f. *Bolleana* Ascherson in Verh. Bot. Ver. Brandenb. 22: 239 (1890).  
*Quercus sessiliflora* a. *sublobata* Koehne, Deutsche Dendr. 130 (1893).  
*Quercus sessiliflora* β. *mespilifolia* (Wallr.) Koehne, l. c. (1893).  
*Quercus Robur* (var.) *Louetti* hort. ex Mouillefert, Traité Arb. Arbriss. 2: 1158 (1897).  
*Quercus sessilis* f. *sublobata* Schneider, Ill. Handb. Laubh. 1: 197 (1904).—Camus, Chênes, 2 (Atl.): t. 125, fig. 11–13 (1936); Texte 2: 212 (1939) "var."  
*Quercus sessilis* var. *Louettii* (Petz. & Kirchn.) Camus, Chênes, Atl. 2: 34, t. 127, fig. 12–15 (1936); Texte, 2: 213, 230 (1939).  
*Quercus sessilis* var. *mespilifolia* Camus, Chênes, 1: 212, 230 (1939).  
*Quercus petraea* f. *longifolia* (Dipp.) subf. *mespilifolia* (Wallr.) Schwarz, Monog. Eich. Eur. 1: 80 (1937).
- Q. petraea** f. *insecata* (Rehd.) Rehder in Jour. Arnold Arb. 22: 573 (1941).  
*Quercus sessiliflora* γ. *laciniata* Koehne, Deutsche Dendr. 130 (1893).—Späth in Mitt. Deutsch. Dendr. Ges. 1913(22): 138, fig. 18 [1914].—Non De Candolle (1805).  
*Quercus sessilis* (var. *decipiens*) f. *laciniata* (Koehne) Schneider, Ill. Handb. Laubh. 1: 197, fig. 102 (1904).—Camus, Chênes, 2: 230 (1939), pro var., non var. *laciniata* (Lam.) p. 212.  
*Quercus sessiliflora* f. *insecata* Rehder in Jour. Arnold Arb. 1: 135 (1919); Man. Cult. Trees Shrubs, 177 (1927).  
*Quercus petraea* f. *laciniata* sensu Rehder, Man. Cult. Trees Shrubs, ed. 2, 167 (1940), p. p. quoad descr. & syn.; non (Lam.) Schwarz (1937).
- Q. petraea** f. *laciniata* (Lam.) Schwarz, Monog. Eich. Eur. 1: 80 (1937); 2 (Atl.): t. 10, fig. 3, 4, 7 (1936).
- Quercus robur* β. *laciniata* Lamarck, Encycl. Méth. Bot. 1: 717 [1785].  
*Quercus sessiliflora* γ. *laciniata* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 310 (1805).—Duchartre in Jacques et Herincq, Man. Pl. 4: 254 (1857).  
*?Quercus Robur* var. *pinnatifida* Reichenbach, Fl. Germ. Excurs. 1: 177 (1830).  
*Quercus sessiliflora* [var.] W. T. Bree in Gard. Mag. (Loudon) 12: 573, fig. 100 (1836).—Loudon, Arb. Brit. 3: 1739, fig. 1577 (1838) "Bree no. 10."  
*Quercus sessiliflora* 2° *Q. laciniata* Boreau, Fl. Centre France, ed. 3, 2: 588 (1857).  
*Quercus Robur* subsp. *sessiliflora* π. *parvifolia* A. de Candolle in De Candolle, Prodr. 16,2: 10 (1864).  
*Quercus sessilis* var. *laciniata* (Lam.) Camus, Chênes, 2: 212 (1939).
- Q. petraea** f. *pinnata* (Schneid.), grad. nov.  
*Quercus sessilis* f. *pinnata* Schneider, Ill. Handb. Laubh. 1: 196, fig. 102e (1904).  
*Quercus petraea* f. *laciniata* subf. *pinnata* (Schneid.) Schwarz, Monog. Eich. Eur. 1: 80 (1937), quoad nom., exclud. descr. et fig.
- Q. petraea** f. *pendula* (Carr.), grad. nov.  
*Quercus sessiliflora pendula* Carrière in Rev. Hort. 1887: 61 (1887).  
*Quercus sessilis* var. c. *pendula* Schneider, Ill. Handb. Laubh. 1: 197 (1904).—(Nichols.) Camus, Chênes, 2: 231 (1939).  
*Quercus petraea* lus. *pendula* (Schneid.) Schwarz, Monog. Eich. Eur. 1: 81 (1937).
- Q. rosacea** [*Q. petraea* × *Robur*] Bechstein in Sylvan, 1813: 67, t. 6 (1812); Forstbot. ed. 4, 214 (1821).—Schneider, Ill. Handb. Laubh. 1: 197 (1904).—Fournier, Fl. Compl. Plaine Franç. 485 (1928).—Camus, Chênes, 2: 413 (1939); Atl. 2: t. 159, fig. 23–32 (1936).  
*Quercus hybrida* Bechstein in Sylvan, 1816: 63 (1815); Forstbot. ed. 4, 215 (1821), non Brotero (1804).  
*Quercus pedunculata hybrida* Bechstein, op. cit. 216 (1821), pro syn.  
*Quercus pedunculata rosacea* Bechstein, op. cit. 214 (1821), pro syn.—Bluff & Fingerhut, Comp. Fl. Germ. 2: 533 (1825) "var."  
*Quercus pedunculata* var. *pubescens* Loudon, Arb. Brit. 3: 1731 (1838).  
*Quercus intermedia* Boenninghausen ex Reichenbach, Fl. Germ. Excurs. 177 (1830).  
*Quercus pedunculata* β. *brevipes* Heuffel in Zeitschr. Nat.-Heilk. Ungarn, 1: 99 (1850); in Verh. Zool.-Bot. Ges. Wien 8: 195 (Enum. Pl. Banat. 157) (1858).  
*Quercus roburi-germanica* Lasch in Bot. Zeit. 15: 418 (1857).  
*Quercus brevipes* Kerner in Oester. Bot. Zeitschr. 26: 232 (1876).  
*Quercus Csatoi* Borbas in Magyar. Növ. Lapok, 10: 133 (1886).  
*Quercus Feketei* Simonkai in Erdesz. Lapok, 26: 31 (1887).  
*Quercus erioneura* Borbas in Deutsch. Bot. Monatsschr. 5: 164 (1887).  
*Quercus superlata* Borbas, l. c. (1887).  
*Quercus Bossebovii* Hy in Bull. Soc. Bot. France, 42: 558 (1895).  
*Quercus Allardi* Hy, l. c. (1895).
- Q. iberica** Bieberstein, Fl. Taur.-Cauc. 2: 402 (1808).—Schwarz, Monog. Eich. Eur. 1: 61; 2 (Atl.): t. 4

**Quercus iberica** (continued)

- (1936). — Camus, Chênes, 2: 256 (1939); Atl. 2: t. 121, fig. 1-14 (1936).  
*Quercus lamprophylla* K. Koch in Linnaea, 22: 327 (1849).  
*Quercus sessiliflora* β. *iberica* Ledebour, Fl. Ross. 3,2: 590 [1850].  
*Quercus Robur* subsp. *sessiliflora* δ. *Buhseana*; η. *bullata*, p. p.; ζ. *communis*, p. p.; κ. *Szovitsii* A. de Candolle in De Candolle, Prodr. 16,2: 7-9 (1864).  
*Quercus dschorochensis* sensu Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 187 (1886), p. p.; non K. Koch (1849).  
*Quercus Szovitsii* Wenzig in op. cit. 188 (1886).  
*Quercus pubescens* γ. *iberica* Wenzig in op. cit. 190 (1886).  
*Quercus cedrorum* Wenzig in op. cit. 191 (1886).  
**Q. polycarpa** Schur in Verh. Siebenbürg. Ver. Naturw. 2: 170 (1851). — Schwarz, Monog. Eich. Eur. 1: 72 (1937); 2 (Atl.): t. 8, fig. 1-10 (1936).  
*Quercus axillaris* Schur in Oester. Bot. Wochenbl. 7: 18 (1857).  
*Quercus condensata* Schur in op. cit. 18 (1857).  
*Quercus dschorochensis* sensu Kotschy, Eich. Or. no. 39, t. (1862). — Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 187 (1886), p. p.; non K. Koch (1849).  
*Quercus Robur* subsp. *sessiliflora* ζ. *communis*, p. p.; η. *bullata*, p. p., A. de Candolle in De Candolle, Prodr. 16,2: 8 (1864).  
*Quercus pseudodschorochensis* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 188 (1886), p. p.  
*Quercus afghanistanensis* hort. ex Schwarz, Monog. Eich. Eur. 1: 72 (1937), pro. syn.  
**Q. Dalechampii** Tenore, Ind. Sem. Hort. Neap. 1830: 15 (1830); Syll. Fl. Neap. 469 (1831). — Schwarz, Monog. Eich. Eur. 1: 82 (1937); 2 (Atl.): t. 11, fig. 1-10 (1936).  
*Quercus Robur* var. *aurea* Wierzbicki ex Rochel, Bot. Reise Banat, 73 (1838). — Heuffel in Zeitschr. Naturheilk. Ungarn, 1: 93 (1850) "β.". — A. de Candolle in De Candolle, Prodr. 16,2: 9 (1864) "subsp. *sessiliflora* λ. a.," p. p. typ.  
*Quercus aurea* Wierzbicki ex Reichenbach, Fl. Exsicc. no. 1514 (1839), cum diagn.; Icon. Fl. Germ. 12: 8 (1850), pro syn.  
*Quercus sessilis* a. *glabrata* Schur in Oester. Bot. Wochenschr. 7: 10 (1857).  
*Quercus sessilis* var. *aurea* Schur in op. cit. 17 (1857). — Camus, Chênes, 2: 210 (1939); Atl. 2: t. 127, fig. 6-9 (1936).  
*Quercus pallida* Heuffel in Oester. Bot. Zeitschr. 8: 28 (1858); non Blume (1825).  
*Quercus sessiliflora* f. *palmata* Vukotinović in Oester. Bot. Zeitschr. 29: 186 (1879).  
*Quercus lancifolia* Vukotinović, Formae Querc. Croat. 20 (1883).  
*Quercus stipitata* Vukotinović, op. cit. 21 (1883).  
*Quercus sessiliflora* var. *macroloba* Borbas in Erdesz. Lapok, 23: 155 (1884).  
*Quercus Robur* subsp. *sessiliflora* var. *Dalechampii* Gavioli in Archivio Bot. 11: 107 (1935).  
*Quercus lanuginosa* subsp. *Dalechampii* Camus, Chênes, Atl. 2: 41, t. 139, fig. 3-6 (1936); Texte, 2: 303, 799 (1939), p. p.  
**Q. Robur** Linnaeus, Sp. Pl. 996 (1753). — Schwarz, Monog. Eich. Eur. 1: 99 (1937); 2 (Atl.): t. 17-19 (1936). — Camus, Chênes, Atl. 2: t. 142, fig. 4-15, t. 143-152 (1936); Texte, 2: 309, fig. 46-52 (1939).  
*Quercus femina* Miller, Garden Dict. ed. 8, Q. no. 2 (1769).

- Quercus racemosa* Lamarck, Encycl. Méth. Bot. 1: 715 (1785), exclud. β., γ.  
*Quercus Robur longipedunculata* [Ehrhart] Verz. Bäume Sträucher Herrenhaus. 23 (1787), nom.  
*Quercus fructipendula* Schrank, Baier. Fl. 1: 87 (1789).  
*Quercus pedunculata* Ehrhart [Arb. Frut. Dec. 9: 87, no. 77 (1789), nom.]; Beitr. Naturk. 5: 168 (1790). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 282 (1907).  
*Quercus Robur pedunculata* Martyn, Fl. Rust. t. 10 (1792).  
*Quercus cupulatus* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 398 (1792).  
*Quercus longaeva* Salisbury, Prodr. Stirp. Chap. Allert. 392 (1796).  
*Quercus microcarpa* Lapeyrouse, Hist. Abr. Pyrén. 582 (1813).  
*Quercus pendulina* Kitaibel in Schultes, Oester. Fl. 1: 620 (1814).  
*Quercus navalis* Burnett in Burgess, Eidodendron, 3 (1827).  
*Quercus pedunculata borealis* Heuffel in Zeitschr. Naturheilk. Ungarn, 1: 99 (1850); in Linnaea 33: 578 (1865).  
*Quercus germanica* Lasch in Bot. Zeit. 15: 413 (1857).  
*Quercus germanica* f. *vera* Lasch in op. cit. 415 (1857).  
*Quercus ajudaghensis* Stev. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 614 (1864).  
*Quercus Robur* subsp. *pedunculata* a. *vulgaris* et ζ. *microcarpa* A. de Candolle in De Candolle, Prodr., 16,2: 4, 6 (1864). — Schwarz, Monog. Eich. Eur. 1: 105 (1937) "f. *vulgaris*".  
*Quercus laciniata* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. 22: 19 (1873).  
*Quercus pedunculata* var. *Q. cuneifolia* Vukotinović, Formae Querc. Croat. 22 (1883).  
*Quercus trichopoda* Borbas & Csato in Erdesz. Lapok, 26: 710 (1887).  
*Quercus borealis* Simonkai, Querceta, 22 (1890), non Michaux f. (1817).  
*Quercus Robur* a. *typica* Beck, Fl. Nieder-Öster. 271 (1890).  
*Quercus vulgaris* Bubani, Fl. Pyren. 1: 65 (1897).  
*Quercus longipedunculata* Cariot & St.-Lager, Bot. Élem. Fl. Descr. Bass. Rhône Loire, ed. 8, 2: 743 (1897).  
*Quercus pedunculata* (var.) a. *typica* Medvedef in Viestn. Tiflis. Bot. Sad. 11: 3, t. 1, fig. 1, 2 (1908).  
*Quercus lucorum* Vukotinović ex Schwarz, Monog. Eich. Eur. 1: 100 (1937), pro syn. [*Q. Lucorum* Vukot. est nomen seriei].  
*Quercus cuneifolia* Vukotinović ex Schwarz, l. c. (1937).  
*Quercus Robur* f. *vera* (Lasch) Schwarz, l. c. 106 (1937).  
**Q. Robur** f. *variegata* (West.), grad. nov.  
*Quercus robur* 2. *variegata* Weston, Bot. Univ. 1: 231 (1770).  
*Quercus pedunculata* var. 1. Bechstein, Forstbot. 332 (1810) "Schäckige Stiel-Eiche".  
*Quercus pedunculata* β. *variegata* Bechstein ex Bluff & Fingerhut, Comp. Fl. Germ. 2: 533 (1825). — Loddiges Cat. 1836 ex Endlicher, Gen. Pl. Suppl. 4,2: 24 (1847) "e."  
*Quercus Robur* subsp. *pedunculata* μ. *variegata* (Endl.) A. De Candolle in De Candolle Prodr. 16,2: 6 (1864). — Schwarz, Monog. Eich. Eur. 1: 106 (1937) "lus. v."  
*Quercus robur* f. *argenteo-picta* Schneider, Ill. Handb. Laubh. 1: 198 (1904).

- Q. Robur** f. *purpurascens* (DC.) K. Koch, Dendr. 2,2: 28 (1873) "(f.)". — Rehder in Bailey, Stand. Cycl.

- Hort. 5: 2888 (1916) "var." — Schwarz, Monog. Eich. Eur. 1: 106 (1937) "lus."
- Quercus racemosa* β. *purpurascens* De Candolle, Rapp. Voy. Bot. Sud-ouest, 1: 19 (in Mém. Soc. Agric. Dép. Seine, 12: 299) (1808); in Lamarck & De Candolle, Fl. Franç. 6: 351 (1815).
- Quercus pedunculata* var. 2. *Bechstein*, Forstbot. 332 (1810) "Bluteiche."
- Quercus pedunculata* var. 7. *purpurea* Loudon, Arb. Brit. 3: 1735 (1838).
- Quercus purpurea* Loddiges Cat. ex Loudon, l. c. (1838), pro syn.
- Quercus Robur* subsp. *pedunculata* θ. *purpurascens* A. de Candolle in De Candolle, Prodr. 16,2: 6 (1864).
- Quercus Robur* κ. Spach, Hist. Nat. Vég. Phan. 11: 151 (1842).
- Quercus pedunculata sanguinea* Bechstein, Forstbot. ex Spach, l. c. (1842), pro syn.; cf. *Q. p.* var. 2 (1810).
- Quercus robur* f. *sanguinea* (Bechst.) Voss, Vilmor. Blumengärt. 1: 921 (1895). — Schneider, Ill. Handb. Laubh. 1: 198 (1904).
- Q. Robur** f. *atropurpurea* [Hartw. & Rümpl.] Schneider, Ill. Handb. Laubh. 1: 198 (1904).
- Quercus pedunculata* 36. *foliis atropurpureis* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 625 (1864).
- Quercus pedunculata atrosanguinea* Hort. ex Kirchner, l. c. (1864), pro syn.
- Quercus robur nigra* Van Houtte in Fl. des Serr. 17: 119, t. 1783-4 (1868).
- Quercus robur* var. *atropurpurea* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 441 (1875).
- Quercus pedunculata atropurpurea* Herger in Deutsch. Mag. Gart.-Blumenk. 1875: 23, t. (1875).
- Q. Robur** f. *Concordia* [Kirchn.] K. Koch, Dendr. 2,2: 28 (1873) "(f.)." — Voss, Vilmor. Blumengärt. 1: 921 (1895). — Schneider, Ill. Handb. Laubh. 1: 198 (1904). — Schwarz, Monog. Eich. Eur. 1: 106 (1937) "lus."
- Quercus pedunculata* 32. *Concordia* Booth Cat. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 625 (1864).
- Quercus Robur* var. *Concordia* Lemaire in Ill. Hort. 14: t. 537 (1867).
- Q. Robur** f. *holophylla* Rehder in Jour. Arnold Arb. 1: 135 (1919); Man. Cult. Trees Shrubs, 177 (1927), pro var. — Schwarz, Monog. Eich. Eur. 1: 105 (1937); 2 (Atl.): t. 18, fig. 6 (1936).
- Quercus mespilifolia* Borbas, Termes. Füzet. 13: 31 (1890), non Wallroth (1822).
- ?*Quercus sessiliflora longifolia* Jurissen & Zoon, Prijs-Cour. 49 [19. . ?] nom.
- Quercus pedunculata* var. *longifolia* Bean, Trees Shrubs, 2: 321 (1914), non Kirchner (1864).
- Quercus robur scolopendrifolia* Andrejeff in Mitt. Deutsch. Dendr. Ges. 1929(41): 107, fig. 14 [1930].
- Q. Robur** f. *heterophylla* (Loud.) K. Koch, Dendr. 2,2: 27 (1873) "(f.)." — Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 215 (1916). — Schwarz, Monog. Eich. Eur. 1: 105 (1937); 2 (Atl.): t. 17, fig. 8, t. 18, fig. 7 (1936). — Hartwig & Rümpler, Bäume Sträuch. 438 (1875) "var." — Camus, Chênes, 2: 356 (1939); Atl. 2: t. 152, fig. 6-10 (1936) "var."
- Quercus pedunculata* var. 5. *heterophylla* Loudon, Arb. Brit. 3: 1732, fig. 1569-71 (1838).
- Quercus laciniata* Loddiges Cat. (1836) ex Loudon, l. c. (1838), pro syn.
- Quercus Fennessei* Hort. ex Loudon, l. c. (1838), pro syn.
- Quercus Robur* subsp. *pedunculata* λ. *laciniata* A. De Candolle in De Candolle Prodr. 16,2: 6 (1864), non var. *laciniata* Lam. [1785].
- Quercus pedunculata* var. *Fennessei* Lavallé, Arb. Segrez. 200 (1877), nom.
- Quercus robur* var. *cuneifolia* f. *laciniata* Schneider, Ill. Handb. Laubh. 1: 199, fig. 126a,b (1904), non var. *laciniata* Lam. [1785].
- Q. Robur** f. *asplenifolia* (Kirchn.), grad. nov.
- Quercus pedunculata* 20. *asplenifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 622 (1864). — Dippel, Handb. Laubh. 2: 63 (1892) "e. *heterophylla* [f.] γ. a."
- Quercus Robur* var. *asplenifolia* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 439 (1875). — Schwarz, Monog. Eich. Eur. 1: 105 (1937) "lus."
- Quercus Robur* f. *diversifolia* Schneider, Ill. Handb. Laubh. 1: 198, fig. 126f. (1904).
- Q. Robur** f. *filicifolia* [Lemaire] Schneider, Ill. Handb. Laubh. 1: 199, fig. 126e (1904).
- Quercus filicifolia* hort. ex Lemaire in Ill. Hort. 1: sub t. 32, p. [3] (1854). — Topf in Deutsch. Mag. Gart.-Blumenk. 1855: 31, t. (1855).
- Quercus pedunculata* var. *comptoniaefolia* Jäger, Ziergeh. 421 (1865). — (Hort.) C. de Vos in Nederl. Fl. Pomon. 130, t. 42, fig. 4 (1876) "*Q. p. c.*"
- Quercus Robur* var. *comptoniaefolia* Camus, Chênes, 2: 356 (1939).
- Quercus pedunculata* 25. *filicifolia* (Topf) Kirchner in Petzold & Kirchner, Arb. Muscav. 624 (1864). — Kuntze, Taschenfl. Leipzig, 240 (1867) "*ficifolia*."
- Quercus Robur* lus. *filicifolia* (Topf) Schwarz, Monog. Eich. Eur. 1: 105; 2 (Atl.): t. 18, fig. 4 [err. fig. 5] (1937) "var. *puberula* lus. f."
- Q. Robur** f. *pectinata* (Kirchner) Schneider, Ill. Handb. Laubh. 1: 199, fig. 126d (1904).
- Quercus pedunculata* 28. *pectinata* hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 624 (1864). — C. de Vos in Nederl. Fl. Pomon. 130, t. 42, fig. 3 (1876).
- Quercus Robur* (f.) *pectinata* K. Koch, Dendr. 2,2: 27 (1873), nom. — Hartwig & Rümpler, Bäume Sträuch. 439 (1875) "var." — Schwarz, Monog. Eich. Eur. 1: 108; 2 (Atl.): t. 18, fig. 5 [err. f. 4] (1937) "var. *puberula* lus. p."
- Quercus pedunculata Doumeti* André in Rev. Hort. 1894: 17, fig. 3 (1894).
- Q. Robur** f. *pendula* (Loud.) Schwarz, Monog. Eich. Eur. 1: 107 (1937).
- Quercus pedunculata* var. 4. *pendula* Loudon, Arb. Brit. 3: 1732, fig. 1568 (1838).
- Quercus pendula* Loddiges Cat. 1836 ex Loudon, l. c. (1838), pro syn.
- Quercus pendula* g. *viminalis* Schur in Oester. Bot. Woch-enbl., 7: 4 (1857).
- Quercus robur* (f.) *pendula* K. Koch, Dendr. 2,2: 29 (1873). — A. De Candolle in De Candolle, Prodr. 16,2: 6 (1864) "subsp. *pedunculata* κ. p." — Hartwig & Rümpler, Bäume Sträuch. 437 (1875) "var." — Camus, Chênes, 2: 355 (1939) "var."
- Quercus robur pedunculata pendula Dauvessei* Herger, Verz. Eichen-Samml. 9 (1875).
- Quercus pedunculata* var. *Dauvessei* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [3]: 1482 (1901).
- Quercus robur* var. *Dauvessei* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 5: 2888 (1916).
- Q. Robur** f. *fastigiata* (Lam.) Schwarz, Monog. Eich. Eur. 1: 107 (1937).

**Quercus Robur f. fastigiata** (continued)

- Quercus fastigiata* Hort. ex Lamarck, Encycl. Méth. Bot. 1: 725 [1785].
- Quercus sessiliflora* f. *Q. fastigiata* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 310 (1805).
- Quercus pyramidalis* Gmelin, Fl. Bad. 3: 699 (1808).
- Quercus pedunculata* var. 3. *fastigiata* Loudon, Arb. Brit. 3: 1731 (1838).—H. Schenck in Mitt. Deutsch. Dendr. Ges. 1916(25): 52, t. 19, 20 (1917) "lus."
- Quercus Robur* subsp. *pedunculata* η *fastigiata* (Lam.) A. De Candolle in De Candolle, Prodr. 16,2: 6 (1864).
- Q. Turneri** [*Q. Robur* × ?*Ilex*] Willdenow, Hort. Berol. 975 (1809); Berlin. Baumz. ed. 2, 339, t. 3, fig. 2 (1811).—Schwarz, Monog. Eich. Eur. 1: 59 (1937); 2 (Atl.): t. 3 (1936).—Camus, Chênes, 2: 401 (1939); Atl. 2: t. 3 (1936).
- Quercus hispanica* γ. "le Chêne turnère" Lamarck, Encycl. Méth. Bot. 1: 723 [1785].
- Quercus hybrida nana* Loudon, Arb. Brit. 3: 1924, fig. 1810, 1811 (1838).
- Quercus Mirbeckii* var. *a. Q. Turneri* Wenzig, Jahrb. Bot. Gart. Mus. Berlin, 4: 194 (1886), p. p.
- Q. Turneri** var. *pseudoturneri* (Schneid.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 5: 1288, t. 337, fig. 45 (1910).
- Quercus glandulifera* sensu Masters in Gard. Chron. n. ser., 14: 714, fig. 134 (1880), non Blume (1850).
- Quercus pseudoturneri* Schneider, Ill. Handb. Laubh. 1: 200 (1904); 2: 900 (1912); non Veitch ex Späth (1896).
- Quercus aizoon* Koehne in Gartenfl. 53: 657 (1904).
- Quercus austriaca sempervirens* Hort. ex Schneider, Ill. Handb. Laubh. 1: 200 (1904), pro syn.
- Q. Haas** Kotschy, Eich. Eur. Or. no. 2, t. (1862).—Schwarz, Monog. Eich. Eur. 1: 115 (1937); 2 (Atl.): t. 21 (1936).—Camus, Chênes, 2: 379, fig. 55 (1939); Atl. 2: t. 157, fig. 1-14 (1936).
- Quercus Robur* subsp. *pedunculata* γ. *Haas* A. de Candolle in De Candolle, Prodr. 16,2: 5 (1864), p. p.
- Quercus pedunculata* β. *Haas* Boissier, Fl. Or. 4: 1163 (1878).
- Quercus brutia* subsp. *Haas* Schwarz in Repert. Sp. Nov. Reg. Veg. 33: 348 (1934).
- Q. Hartwissiana** Steven in Bull. Soc. Nat. Moscou, 30,1: 387 (1857).—Schwarz, Monog. Eich. Eur. 1: 93 (1937); 2 (Atl.): t. 15 (1936).—Camus, Chênes, 2: 195 (1939); Atl. 2: t. 119, 120 (1936).
- Quercus armeniaca* Kotschy, Eich. Eur. Or. no. 25 (1863).—Schwarz in Repert. Sp. Nov. Reg. Veg. 33: 331 (1934).
- Quercus Robur* subsp. *pedunculata* δ. *armeniaca* A. de Candolle in De Candolle, Prodr. 16,2: 5 (1864).
- Quercus pedunculata armeniaca* Mouillefert, Traité Arb. Arbriss. 2: 1157 (1897).
- Quercus stranjensis* Turrill in Bull. Soc. Bot. Bulgar. 2: 62 (1928).
- Quercus armeniaca* var. *stranjensis* Stojanoff & Stefanoff, Fl. Bulg. 300 (1933).
- Q. pedunculiflora** K. Koch in Linnaea, 22: 324 (1849).—Schwarz, Monog. Eich. Eur. 1: 111 (1937); 2 (Atl.): t. 20 (1936).—Camus, Chênes, 2: 372, fig. 54 (1939); Atl. 2: t. 135 (1936).
- Quercus Haas* β. *atriclados* Borbas & Bornmüller in Bot. Centralbl. 39: 130 (1889).—Formanek in Deutsch. Bot. Monatsschr. 8: 163 (1890).

*Quercus rhodopea* Velenovsky in Sitzber. Böhm. Ges. Wiss. 1893, no. 37: 57 (1893).

*Quercus pedunculata* var. *auriculata* Velenovsky in op. cit. 1902, no. 17: 16 (1902).

*Quercus pedunculata* var. *producta* Velenovsky, l. c. (1902).

*Quercus pedunculata* subsp. *pedunculiflora* Maire & Petit-mengin, Ét. Pl. Vasc. Grèce, 198 (1908).

*Quercus brutia* subsp. *pedunculiflora* Schwarz in Repert. Sp. Nov. Reg. Veg. 33: 333 (1934).

Sect. vi. PRINUS Loudon, Arb. Brit. 3: 1872 (1838).—Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 13 (1936).

*Cerris* Rafinesque, Alsogr. Am. 29 (1838), quoad *Q. macrocarpa*.

*Scolodrys* Rafinesque, l. c. (1838), quoad *Q. lyrata*.

*Quercus* sect. *Cerroides* Spach, Hist. Nat. Vég. Phan. 11: 159 (1842), quoad *Q. macrocarpa*.

*Quercus* A. *Lepidobalanus* II. *Elaeobalanus* Endlicher, Gen. Pl. Suppl. 4,2: 24 (1847), quoad *Q. macrocarpa*.

*Quercus* sect. *Dascia* (Kotschy) Schwarz in Notizbl. Bot. Gart. Mus. Berlin, 13: 14 (1936), p. p. quoad *Q. dentata*.

**Q. alba** Linnaeus, Sp. Pl. 996 (1753).—Sargent, Silva N. Am. 8: 16, t. 356-8 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 103, t. 8, 172-5 (Am. Oaks) (1924).

*Quercus alba* f. *typica* Trelease in op. cit. 103, t. 172, fig. 1 (1924).

**Q. alba** f. *pinnatifida* (Michx.), grad. nov.

*Quercus alba pinnatifida* Michaux, Hist. Chênes Am. no. 4, t. 5, fig. 1 (1801); Fl. Bor.-Am. 2: 194 (1803) "var. *a. p.*"

**Q. alba** f. *latiloba* (Sarg.) Trelease in op. cit. 103, t. 173, fig. 1 (1924).—Palmer & Steyermark in Ann. Missouri Bot. Gard. 22: 517 (1935).

*Quercus alba* var. *latiloba* Sargent in Bot. Gaz. 65: 454 (1918).

**Q. alba** f. *repanda* (Michx.) Trelease in op. cit. 103, t. 173, fig. 3 (1924) "(f.)."

*Quercus alba (repanda)* Michaux, Hist. Chênes Am. no. 4, t. 5, fig. 2 (1801); Fl. Bor.-Am. 2: 195 (1803) "var. *β. r.*"

*Quercus repanda* (Michx.) Rafinesque, Alsogr. Am. 19 (1838).

**Q. lobata** Née in Anal. Cienc. Nat. Madrid, 3: 277 (1801).—Sargent, Silva N. Am. 8: 23, t. 362 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 100, t. 168 (Am. Oaks) (1924).

*Quercus Hindsii* Benth, Bot. Voy. Sulphur, 55 (1844).

*Quercus longiglanda* Frémont, Geog. Mem. Upp. Calif. 15, 17 (30th Congr. 1st Sess. Senate, Miscel. no. 148) (1848).

*Quercus lobata* var. *Hindsii* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 3: 188 (1885).

**Q. Garryana** Douglas ex Hooker, Fl. Bor.-Am. 2: 159 (1840).—Sargent, Silva N. Am. 8: 29, t. 364-5 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 100, t. 67-8 (Am. Oaks) (1924).

*Quercus Neaei* Liebmann in Danske Vidensk. Selsk. Overs. Forh. 1854: 173 (1854).

*Quercus Douglasii* δ. *Neaei* A. de Candolle in De Candolle, Prodr. 16,2: 24 (1864).

*Quercus Jacobi* R. Brown Campst. in Ann. Mag. Nat. Hist. ser. 4, 7: 255 (1871).

- Quercus Oerstediana* R. Brown Campst. in op. cit. 250 (1871).
- Quercus Gilberti* Greene, Ill. W. Am. Oaks, 77, t. 37 (1890).
- Quercus Garryana* (f.) *Jacobi* Zabel in Beissner et al., Handb. Laubh.-Ben. 74 (1903).
- Q. undulata** Torrey in Ann. Lyc. Nat. Hist. New York, 2: 248, t. 4 (1828).—Sargent, Silva N. Am. 8: 75, t. 385 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 96, t. 155–7 (Am. Oaks) (1924).—I. M. Johnston in Jour. Arnold Arb. 25: 445 (1944), cum syn. plur.
- Quercus undulata* γ. *Jamesii* Engelm. in Trans. Acad. Sci. St. Louis, 3: 382 (Oaks U. S. 11) (1876); in Bot. Gaz. 2: 392 (1877) “var.”
- Q. Havardi** Rydberg in Bull. New York Bot. Gard. 2: 213, t. 29 (1901).
- Q. Durandii** Buckley in Proc. Acad. Nat. Sci. Philad. 1860: 445 (1860).—E. J. Palmer in Am. Midland Nat. 33: 514, fig. (1945).
- ?*Quercus sinuata* Walter, Fl. Carol. 235 (1788).
- Quercus breviloba* Sargent in Gard. & For. 8: 93 (1895); Silva N. Am. 8: 71, t. 384 (1895), p. p.
- Q. Macnabiana** (*Q. Durandii* × *stellata*) Sudworth, Check-list For. Trees U. S. 103 (U. S. Dept. Agric. Misc. Circ. 92) (1927).
- Q. novo-mexicana** Rydberg in Bull. New York Bot. Gard. 2: 208, t. 27 (1901).—Trelease in Mem. Nat. Acad. Sci. 20: 99, t. 164–5 (Am. Oaks) (1924).
- Quercus Douglasii* γ. *Novomexicana* A. de Candolle in De Candolle, Prodr. 16,2: 24 (1864).
- Quercus nitescens* Rydberg in Bull. New York Bot. Gard. 2: 207, t. 27 (1901).—Trelease in Mem. Nat. Acad. Sci. 20: 99, t. 164 (Am. Oaks) (1924).
- Q. Gunnisonii** (Torr.) Rydberg in op. cit. 206, t. 26 (1901).—Trelease in op. cit. 99, t. 166 (1924).
- Quercus alba* var. *Gunnisonii* Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 2,1: 130 (1855).
- Quercus Gambelii* var. *Gunnisonii* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 3: 190 (1885).
- Q. Gambelii** Nuttall in Jour. Acad. Nat. Sci. Philad. n. ser., 1,2: 179 (1848).—Sargent, Silva N. Am. 8: 33, t. 366–7 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 99, t. 158 (Am. Oaks) (1924).—I. M. Johnston in Jour. Arnold Arb. 25: 446 (1944), sensu lato, cum syn. plur.
- Quercus Douglasii* β. ?*Gambelii* A. de Candolle in De Candolle, Prodr. 16,2: 23 (1864).
- Quercus undulata* α. *Gambelii* Engelm. in Trans. Acad. Sci. St. Louis, 3: 382 (Oaks U. S. 11) (1876); in Bot. Gaz. 2: 392 (1877) “var.”
- Q. leptophylla** Rydberg in Bull. New York Bot. Gard. 2: 202, t. 25 (1901).—Trelease in Mem. Nat. Acad. Sci. 20: 98, t. 163 (Am. Oaks) (1924).
- Q. utahensis** (A. DC.) Rydberg in op. cit. t. 25, fig. 2 (1901).—Trelease in op. cit. 98, t. 158 (1924).
- Quercus stellata* δ. *Utahensis* A. de Candolle in De Candolle, Prodr. 16,2: 22 (1864).
- Quercus submollis* Rydberg in Bull. New York Bot. Gard. 2: 202, t. 25, fig. 1 (1901).
- Quercus utahensis* var. *submollis* Sargent in Bot. Gaz. 65: 442 (1918).
- Q. stellata** Wangenheim, Beitr. Deutsch. Holzg. Forstwiss. Nordam. Holz. 78, t. 6 (1787).—Sargent, Man. Trees N. Am. ed. 2, 293, fig. 269 (1922).—Trelease in Mem. Nat. Acad. Sci. 20: 104, t. 10, 77–82 (Am. Oaks) (1924).
- Quercus alba minor* Marshall, Arbust. Am. 120 (1785).
- Quercus villosa* Walter, Fl. Carol. 235 (1788).
- Quercus lobulata* Solander ex J. E. Smith in Abbot, Nat. Hist. Lepidopt. Ins. Georgia, 1: 93, t. 47 (1797).
- Quercus obtusiloba* Michaux, Hist. Chênes, Am. no. 1, t. 1 (1801).
- Quercus Drummondii* Liebmann in Danske Vidensk. Selsk. Overs. Forh. 1854: 170 (1854).—A. de Candolle in De Candolle, Prodr. 16,2: 24 (1864).
- Quercus stellata* β. *Floridana* A. de Candolle in op. cit. 22 (1864).
- Quercus minor* (Marsh.) Sargent in Gard. & For. 2: 471 (1889); Silva N. Am. 8: 37, t. 368–9 (1895).
- Q. Fernowi** (*Q. alba* × *stellata*) Trelease in Proc. Am. Philos. Soc. 56: 49 (1917), nom. subnud.; in Mem. Nat. Acad. Sci. 20: 15 (Am. Oaks) (1924), exclud. *Q. bernardiensis* Wolf.
- Quercus alba* × *stellata* Vasey in Bull. Torrey Bot. Club, 10: 25, t. 29–30 (1883).
- Quercus alba* × *minor* Sargent, Silva N. Am. 8: 18, t. 359 (1895).
- Q. lyrata** Walter, Fl. Carol. 235 (1785).—Sargent, Silva N. Am. 8: 47, t. 374 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 106, t. 183 (Am. Oaks) (1924).
- Scolodrys lyrata* Rafinesque, Alsogr. Am. 29 (1838), nom. altern.
- Q. Comptonae** (*Q. lyrata* × *virginiana*) Sargent in Bot. Gaz. 65: 459 (1918).—Ness in Jour. Heredity, 9: 263, fig. 6–8 (1918).
- Q. macrocarpa** Michaux, Hist. Chênes Am. no. 2, t. 2–3 (1801).—Sargent, Silva N. Am. 8: 43, t. 371–3 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 107, t. 2, 184–5 (Am. Oaks) (1924).
- Cerris macrocarpa* Rafinesque, Alsogr. Am. 29 (1838).
- Cerris dulcis* Rafinesque, l. c. (1838).
- Q. macrocarpa** var. *olivaeformis* (Michx. f.) Gray, Man. Bot. N. U. S. ed. 2, 404 (1856).—Trelease in Mem. Nat. Acad. Sci. 20: 108 (Am. Oaks) (1924) “f.”
- Quercus olivaeformis* Michaux f., Hist. Arb. For. Am. Sept. 2: 32, t. 2 (1812).—A. de Candolle in De Candolle, Prodr. 16,2: 20 (1864).
- Cerris olivaeformis* Rafinesque, Alsogr. Am. 29 (1838).
- Q. Bebbiana** (*Q. macrocarpa* × *alba*) Schneider, Ill. Handb. Laubh. 1: 201 (1904).
- Quercus alba* × *macrocarpa* Engelm. in Trans. Acad. Sci. St. Louis, 3: 398 (Oaks U. S. 2: 14) (1877).—Sargent, Silva N. Am. 8: 18, t. 360 (1895).
- Q. bicolor** Willdenow in Mühlberg in Neue Schrift. Ges. Naturf. Fr. Berlin, 3: 396 (1801).—Trelease in Mem. Nat. Acad. Sci. 20: 108, t. 186 (Am. Oaks) (1924).
- Quercus Prinus* β. (*Q. platanoides*) Lamarck, Encycl. Méth. Bot. 1: 720 [1785].
- Quercus alba palustris* Marshall, Arbust. Am. 120 (1785).
- Quercus Prinus* (*tomentosa*) Michaux, Hist. Chênes Am. no. 5, t. 9, fig. 2 (1801); Fl. Bor.-Am. 2: 196 (1803) “var. ε. t.”
- Quercus Prinus discolor* Michaux f., Hist. Arb. For. Am. Sept. 2: 46, t. 6 (1812).
- Quercus Prinus* β. (*Q. bicolor*) Spach, Hist. Nat. Vég. Phan. 11: 158 (1842).
- Quercus bicolor* β. *platanoides* A. de Candolle in De Candolle Prodr. 16,2: 21 (1864).



**Quercus bicolor** (continued)

- Quercus bicolor* a. *angustifolia*, Dippel, Handb. Laubh. 2: 87 (1892).
- Quercus bicolor* b. *lyrata* Dippel, l. c. (1892).
- Quercus bicolor* c. *cuneiformis* Dippel, l. c. (1892).
- Quercus discolor* var. *bicolor* Hampton in Ann. Rep. Ohio State For. Bur. 1: 195 (1886).
- Quercus platanoides* (Lam.) Sudworth in Rep. U. S. Sec. Agric. 1892: 327 (1893).—Sargent, Silva N. Am. 8: 63, t. 380-1 (1895).
- Q. Jackiana** (*Q. alba* × *bicolor*) Schneider, Handb. Laubh. 1: 202 (1904).
- Q. Schuettei** (*Q. bicolor* × *macrocarpa*) Trelease in Proc. Am. Philos. Soc. 56: 51, t. 2, 3 (1917).
- Q. Michauxii** Nuttall, Gen. N. Am. Pl. 2: 215 (1818).—Sargent, Silva N. Am. 8: 67, t. 382-3 (1895).
- Quercus Prinus* Linnaeus, Sp. Pl. 996 (1753), p. p.—A. de Candolle in De Candolle, Prodr. 16:2: 21 (1864).—Sargent, Man. Trees N. Am. ed. 2, 304, fig. 279 (1922).—Trelease in Mem. Nat. Acad. Sci. 20: 110, t. 187 (Am. Oaks) (1924).
- Quercus Prinus* (*palustris*) Michaux, Hist. Chênes Am. no. 5, t. 6 (1801); Fl. Bor.-Am. 2: 196 (1803) "var. a. p."
- Quercus Prinus* var. *Michauxii* Chapman, Fl. South. U. S. 424 (1860).
- Quercus bicolor* A. de Candolle in De Candolle, Prodr. 16:2: 20 (1864), p. p.; non Willdenow (1801).
- Quercus paludosa* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 646 (1864).
- Quercus bicolor* subsp. *Michauxii* Engelmann in Trans. Acad. Sci. St. Louis, 3: 390 (Oaks U. S. 2: 6. 1877) (1878).
- ?*Quercus Houstoniana* C. H. Muller in Am. Midland Nat. 28: 743, fig. 1 (1942).
- Q. Prinus** Linnaeus, Sp. Pl. 996 (1753), p. p. typ.—Du Roi, Harbk. Baumz. 2: 76, t. 6, fig. 3 (1772).—Engelmann in Trans. Acad. Sci. St. Louis, 3: 390 (Oaks U. S. 2: 6. 1877) (1878).—Sargent, Silva N. Am. 8: 51, t. 375-6 (1895).—Fernald in Jour. Arnold Arb. 27: 391 (1946).
- Quercus montana* Gordon & Dermer ex C. F. Ludwig, Neu. Wilde Baumz. 39 (1783), nom.—Willdenow, Sp. Pl. 4:1: 440 (1805).—Sargent, Man. Trees N. Am., ed. 2, 305, fig. 280 (1922).—Trelease in Mem. Nat. Acad. Sci. 20: 110, t. 187 (Am. Oaks) (1924).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 172 (1940).
- Quercus Prinus* (*monticola*) Michaux, Hist. Chênes Am., no. 5, t. 7 (1801); Fl. Bor.-Am. 2: 196 (1803) "var. β. *monticola*".—A. de Candolle in De Candolle, Prodr. 16:2: 21 (1864) "γ. *monticola*".
- Quercus Prinus* γ. (*Q. Prinus monticola*) Spach, Hist. Nat. Vég. Phan. 11: 158 (1842).
- Quercus monticola* Kirchner in Petzold & Kirchner, Arb. Muscav. 644 (1864).
- Q. Sargentii** (*Q. montana* × *robur*) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 215 [1916].
- Q. Saulii** (*Q. alba* × *montana*) Schneider, III. Handb. Laubh. 1: 203 (1904).
- Quercus alba* × *Prinus* Engelmann in Trans. Acad. Sci. St. Louis, 3: 399 (Oaks U. S. 2: 15. 1877) (1878).—Sargent, Silva N. Am. 8: 18, t. 361 (1895).
- Q. prinoides** Willdenow in Mühlenberg in Neue Schrift. Ges. Naturf. Fr. Berlin, 3: 397 (1801).—Sargent, Silva N. Am. 8: 59, t. 378 (1895).—Trelease in Mem. Nat. Acad. Sci. 20: 111, t. 187 (Am. Oaks) (1924).
- Quercus Prinus humilis* Marshall, Arbust. Am. 125 (1785).
- Quercus Prinus* (*pumila*) Michaux, Hist. Chênes, Am. no. 5, t. 9 (1801); Fl. Bor.-Am. 2: 196 (1803) "var. δ. p."
- Quercus Prinus Chincapin* Michaux f., Hist. Arb. For. Am. Sept. 2: 64, t. 10 (1812).
- Quercus Chinquapin* Pursh, Fl. Am. Sept. 2: 634 (1814).—Rafinesque, Alsogr. Am. 23 (1838) "Chincapin."
- Quercus Mühlenbergii humilis* (Marsh.) Britton in Bull. Torrey Bot. Club, 13: 41 (1886).
- Q. prinoides** var. *rufescens* Rehder in Rhodora, 9: 60 (1907).
- Quercus rufescens* Bicknell in Bull. Torrey Bot. Club, 45: 376 (1918).
- Q. Faxonii** (*Q. alba* × *prinoides*) Trelease in Proc. Am. Philos. Soc. 56: 51 (1917).
- Q. Muehlenbergii** Engelmann in Trans. Acad. Sci. St. Louis, 3: 391 (Oaks U. S. 2: 7. 1877) (1878) "Mühlenbergii".—Sargent, Man. Trees N. Am., ed. 2, 306, fig. 281 (1922).—Trelease in Mem. Nat. Acad. Sci. 20: 110, t. 187 (Am. Oaks) (1924).—I. M. Johnston in Jour. Arnold Arb. 25: 447 (1944), cum syn. plur.
- Quercus Prinus* (*acuminata*) Michaux, Hist. Chênes Am. no. 5, t. 8 (1801); Fl. Bor.-Am. 2: 196 (1803) "var. γ. a."—A. de Candolle in De Candolle, Prodr. 16:2: 21 (1864) "β. *acuminata*".
- Quercus Castanea* Willdenow in Mühlenberg in Neue Schrift. Ges. Naturf. Fr. Berlin, 3: 396 (1801, after Apr.), non Née (1801, March).
- Quercus Castanea* (*macrophylla*) Hampton in Ann. Rep. Ohio State For. Bur. 1: 195 (1886).
- Quercus acuminata* (Michx.) Sargent in Gard. & For. 8: 93 (1895); Silva N. Am. 8: 55, t. 377 (1895); non Roxburgh (1832).
- Q. Deamii** (*Q. alba* × *Muehlenbergii*) Trelease in Proc. Am. Philos. Soc. 56: 48 (1917).
- Quercus alba* × *Muehlenbergii* Britton, N. Am. Trees, 343 (1908).
- Q. Hillii** (*Q. macrocarpa* × *Muehlenbergii*) Trelease in Proc. Am. Philos. Soc. 56: 49 (1917).
- Quercus macrocarpa* × *Muehlenbergii* Hitchcock in Bot. Gaz. 18: 110, t. 8 (1893).
- Q. aliena** Blume, Mus. Bot. Lugd.-Bat. 1: 298 (1850).—Rehder & Wilson in Sargent, Pl. Wilson. 3: 214 (1916).—Nakai, Fl. Sylv. Kor. 3: 26, t. 14 (1917).—Camus, Chênes, 2: 128, fig. 18 (1939); Atl. 2: t. 97-99 (1936).
- Quercus hirsutula* Blume, Mus. Bot. Lugd.-Bat. 1: 298 (1850).
- Q. aliena** var. *acuteserrata* Maximowicz ex Wenzig in Jahrb. Bot. Gart. Mus. Berlin, 4: 219 (1886).—Rehder & Wilson in Sargent, Pl. Wilson. 3: 215 (1916).—Camus, Chênes, 2: 132 (1939); Atl. 2: t. 98, fig. 11, t. 99, fig. 1-5 (1936).
- Quercus aliena* γ. *acutedentata* Maximowicz in litt. ex Franchet & Savatier, Enum. Pl. Jap. 1: 445 (1875), nom.—Shirai in Bot. Mag. Tokyo, 9: 409 (1895) "acutidentata."
- Q. Fabri** Hance in Jour. Linn. Soc. Lond. Bot. 10: 202 (1869).—Rehder & Wilson in Sargent, Pl. Wilson. 3: 216 (1916).—Camus, Chênes, 2: 141, fig. 20 (1939); Atl. 2: t. 99, fig. 6-27 (1936).
- Q. glandulifera** Blume, Mus. Bot. Lugd.-Bat. 1: 295 (1850).—Rehder & Wilson in Sargent, Pl. Wilson. 3:

- 212 (1916). — Nakai, Fl. Sylv. Kor. 3: 25, t. 13 (1917). — Camus, Chênes, 2: 115, fig. 17 (1939); Atl. 2: t. 102, fig. 8-19, t. 103 (1936).
- Quercus serrata* Thunberg, Fl. Jap. 176 (1784). — Koidzumi in Bot. Mag. Tokyo, 39: 313 (1925). — Nom. AMBIG. PROPOS.; cf. Jour. Arnold Arb. 19: 284 (1938).
- Quercus canescens* Blume, Mus. Bot. Lugd.-Bat. 1: 296 (1850).
- Quercus urticaefolia* Blume, l. c. (1850).
- Quercus canescens* β. *urticaefolia* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 105 (1863).
- Quercus urticaefolia* β. *brevipetiolata* A. de Candolle in De Candolle, Prodr. 16,2: 16 (1864).
- Quercus Griffithii* var. *glanduligera* Franchet in Jour. de Bot. 13: 149 (1899).
- Quercus glanduligera* var. *brevipetiolata* Nakai in Jour. Arnold Arb. 5: 76 (1924). — Camus, Chênes, 2: 120 (1939); Atl. 2: t. 103, fig. 15 (1936).
- Quercus glanduligera* var. *glanduligera* Nakai, l. c. (1924). — Camus, l. c. (1939); t. 103, fig. 8, 9 (1936).
- Q. mongolica** Fischer ex Turczaninow in Bull. Soc. Nat. Moscou, [11] 1838,1: 101 (1838), nom.; 27,1: 409 (1854). — Ledebour, Fl. Ross. 3,2: 589 (1850). — A. de Candolle in De Candolle, Prodr. 16,2: 14 (1864). — Rehder & Wilson in Sargent, Pl. Wilson. 3: 230 (1916). — Rehder in Jour. Arnold Arb. 10: 120 (1929). — Camus, Chênes, 2: 133, fig. 19 (1939); Atl. 2: t. 94, fig. 6-15, t. 95, 96 (1936).
- Quercus sessiliflora* var. *mongolica* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 7: 83 (Pl. David. 1: 273) (1884).
- Quercus crispula* var. *sachalinensis* Koidzumi in Bot. Mag. Tokyo, 26: 164 (1912), p. p.
- Quercus crispula* var. *mandshurica* Koidzumi, l. c. (1912).
- Quercus mongolica* γ. *mandshurica* Nakai in Bot. Mag. Tokyo, 29: 58 (1915).
- Quercus mongolica* var. β. *liaotungensis* f. *funnebris*, Nakai, Fl. Sylv. Kor. 3: 24, t. 11 (1917).
- Quercus funnebris* Léveillé in litt. ex Nakai, l. c. (1917), pro syn.
- Q. mongolica** var. *grosseserrata* (Bl.) Rehder & Wilson in Sargent, Pl. Wilson. 3: 231 (1916).
- Quercus crispula* Blume, Mus. Bot. Lugd.-Bat. 1: 298 (1850). — Camus, Chênes, 2: 111 (1939); Atl. 2: t. 101, 102, fig. 1-7 (1936).
- Quercus grosseserrata* Blume, op. cit. 306 (1850).
- Quercus crispula* β. *grosseserrata* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 104 (1863).
- Quercus crispula* var. *sachalinensis* Koidzumi in Bot. Mag. Tokyo, 26: 164 (1912), p. p.
- Q. liaotungensis** Koidzumi in Bot. Mag. Tokyo, 26: 166 (1912). — Rehder & Wilson in Sargent, Pl. Wilson. 3: 233 (1916), exclud. syn. Léveillé.
- Quercus mongolica* β. *liaotungensis* Nakai in Bot. Mag. Tokyo, 29: 58 (1915), p. p.; Fl. Sylv. Kor. 3: 24 (1917), p. p.
- Quercus mongolica* β. *liaotungensis* f. *glabra* (Lévl.) Nakai, Fl. Sylv. Kor. 3: 24 (1917).
- Q. dentata** Thunberg, Fl. Jap. 177 (1784). — A. de Candolle in De Candolle, Prodr. 16,2: 13 (1864). — Rehder & Wilson in Sargent, Pl. Wilson. 3: 210 (1916). — Camus, Chênes, 1: 609, fig. 32 (1938); Atl. 1: t. 67, 68 (1934).
- Quercus obovata* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 136 (Enum. Pl. Chin. Bor. 62) (1833).

*Quercus dentata* β. *Wrightii* A. de Candolle in De Candolle, Prodr. 16,2: 13 (1864).

*Quercus Daimio* Hort. ex K. Koch, Dendr. 2,2: 45 (1873).

*Quercus dentata* var. *grandifolia* Koidzumi in Bot. Mag. Tokyo, 26: 161 (1912).

*Quercus nipponica* Koidzumi, l. c. (1912).

*Quercus dentata* subsp. *eudentata* Camus, Chênes, 1: 609 (1938).

- Q. dentata** f. *pinnatifida* (Franch. & Sav.), grad. nov.
- Quercus pinnatifida* Franchet & Savatier, Enum. Pl. Jap. 1: 445 (1875); 2: 297 [1879?].
- Quercus dentata* var. *pinnatifida* Matsumura in Bot. Mag. Tokyo, 5: 9 (1891).

#### Fam. EUCOMMIACEAE

**EUCOMMIACEAE** [Van Tieghem in Jour. de Bot. 14: 274 (1900) "*Eucommiacées*".] — Harms in Nat. Pflanzenfam. Nachtr. 2: 111 (1906); ed. 2, 18a. 348 (1830). — Hutchinson, Fam. Flow. Pl. 1: 214 (1926). — Wettstein, Handb. Syst. Bot. ed. 4, 2: 636 (1935), fam. ad ord. Urticales relata. — Tipppo in Am. Jour. Bot. 27: 832 (1940).

*Trochodendraceae* Prantl in Engler & Prantl, Nat. Pflanzenfam. III. 2: 21 (1891), p. p.

*Magnoliaceae* subfam. *Eupteleoideae* Harms in Ber. Deutsch. Bot. Ges. 15: 359 (1897), p. p. quoad *Eucommia*.

*Hamamelidaceae* trib. III. Solereder in Ber. Deutsch. Bot. Ges. 17: 397, 405 (1899).

**EUCOMMIA** Oliver in Hooker's Icon. Pl. 20: t. 1950 (1890). — Harms in Nat. Pflanzenfam. ed. 2, 18a: 351, fig. 182 (1930).

**TYPUS:** *Eucommia ulmoides* Oliv.

- E. ulmoides** Oliver in op. cit. (1890); 24: t. 2361 (1895). — Wilson in Sargent, Pl. Wilson. 1: 433 (1913). — Rehder in Jour. Arnold Arb. 17: 333 (1936). — Palibin in Komarov, Fl. S. S. S. R. 9: 273 (1939).
- Eucommia ulmoides* var. *yunnanensis* Léveillé, Cat. Pl. Yun-Nan, 174 (1916), nom.

#### Fam. ULMACEAE

**ULMACEAE** Mirbel, Elém. Phys. Vég. 2: 905 (1815). — Bentham & Hooker f., Gen. Pl. 3: 343 (1880). — Engler in Nat. Pflanzenfam. III. 1: 59 (1887).

*Celtideae* Gaudichaud, Voy. Monde par Freycinet Bot. 507 (1826). — Endlicher, Gen. Pl. 276 [1837].

*Urticaceae* f. *Ulmeae* Reichenbach, Consp. Reg. Vég. 84 (1828), nom. subnud.

*Urticeae* 1° *Celtidées* Richard, Nouv. Elém. Bot. ed. 4, 559 (1828).

*Ulmideae* Dumortier, Anal. Fam. Pl. 17 (1829).

*Urticaceae* 3. *Ulmeae* b. *Celtideae* Reichenbach, Handb. Nat. Pflanzenfam. 172 (1837), nom subnud.

*Urticaceae* trib. *Celtideae* Horaninov, Char. Ess. Fam. Reg. Vég. 81 (1847).

*Urticeae* trib. *Ulmaceae* Planchon in Ann. Sci. Nat. Bot. sér. 2, 10: 257 (1848).

*Celtidaceae* Walpers, Ann. Bot. 3: 394 (1852).

**ULMUS** Linnaeus, Sp. Pl. 225 (1753); Gen. Pl. 106, no. 281 (1754). — Planchon in De Candolle, Prodr. 17: 154-163 (1873). — Bentham & Hooker f., Gen. Pl. 3: 351 (1880).

**LECTOTYPUS:** *U. campestris* L. = *U. glabra* Huds. (*U. campestris* L., p. p.)

**Ulmus** (continued)

Sect. I. BLEPHAROCARPUS Dumortier, *Florula Belg.* 25 (1827).—Schneider in *Oester. Bot. Zeitschr.* 66: 28 (1916).

*Ulmus* sect. *Oreoptelea* Spach in *Ann. Sci. Nat. Bot. sér.* 2, 15: 363 (1841), p. p. typica.—Planchon in *Ann. Sci. Nat. Bot. sér.* 3, 10: 260 (1848) "subgen."—Engler in *Nat. Pflanzenfam. III.* 1: 62 (1889) "subgen."

*Ulmus* subgen. *Euulmus* K. Koch, *Dendr.* 2, 1: 405 (1872), p. p.

*Ulmus* subgen. *Euulmus* sect. *Oreoptelea* Dippel, *Handb. Laubh.* 2: 32 (1892), exclud. *U. racemosa*.—Schneider, *Ill. Handb. Laubh.* 1: 212 (1904) "sect. et subsect." exclud. *U. Thomasii*.

*Ulmus* (sect.) A. *Euulmus* II. *Blepharocarpus* (Dum.) Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 547 (1911), exclud. *U. racemosa*.

**U. laevis** Pallas, *Fl. Ross.* 1, 1: 75, t. 48, fig. F (1784).—Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 548 (1911) "levis".

*Ulmus pedunculata* Fougereux in *Hist. Mém. Math. Phys. Acad. Sci. Paris*, 1784: 215, t. 2 (1787).

*Ulmus effusa* Willdenow, *Fl. Berol. Prodr.* 97 (1787).

*Ulmus ciliata* Ehrhart, *Beitr. Naturk.* 6: 8 (1791).

*Ulmus octandra* Schkuhr, *Bot. Handb.* 1: 178, t. 57b (1791).

*Ulmus racemosa* Borkhausen, *Theor.-prakt. Handb. Forstbot.* 1: 851 (1800).

*Ulmus alba* Kitaibel ex Willdenow, *Berlin. Baumz. ed.* 2, 518 (1811).

*Ulmus pedunculata* 1. *typica* Trautvetter in *Bull. Phys.-math. Acad. Sci. St. Pétersb.* 15: 349 (in *Mél. Biol.* 2: 575. 1858) (1857).

**U. americana** Linnaeus, *Sp. Pl.* 226 (1753).—Sargent, *Silva N. Am.* 7: 43, t. 311 (1895).

*Ulmus mollifolia* Marshall, *Arbust. Am.* 156 (1785).

*Ulmus americana* β. *alba* Aiton, *Hort. Kew.* 1: 320 (1789).—Fernald in *Rhodora*, 47: 133 (1945) "f."

*Ulmus tomentosa* Borkhausen, *Theor.-prakt. Handb. Forstbot.* 1: 856 (1800).

*Ulmus pendula* Willdenow, *Berlin. Baumz. ed.* 2, 519 (1811).

*Ulmus alba* Rafinesque, *Fl. Ludov.* 115 (1817), non Willdenow (1811).

?*Ulmus obovata* Rafinesque, *New Fl. N. Am.* 3: 38 [1838].

?*Ulmus dentata* Rafinesque, *op. cit.* 39 [1838].

*Ulmus americana* β. *scabra* Walpers, *Ann. Bot. Syst.* 3: 424 (1852).

**U. americana** f. *columnaris* Rehder in *Jour. Arnold Arb.* 3: 42 (1921).—Wyman in *Am. Nurseryman*, 83, 12: 8, fig. (p. 9) (1946) "*U. a. c.*"

?*Ulmus americana* var. δ. *pyramidalis* Hort. ex Wesmael in *Bull. Féd. Soc. Hort. Belg.* 1862: 387 (1863).

**U. americana** f. *ascendens* Slavin in *Am. Midland Nat.* 12: 225 (1931).

**U. americana** f. *pendula* (Aiton) [Schelle in Beissner et al., *Handb. Laubh.-Ben.* 87 (1903) "(f.) *pendula* hort."; nom.—] Fernald in *Rhodora*, 47: 133 (1945).

*Ulmus americana* γ. *pendula* Aiton, *Hort. Kew.* 1: 320 (1789).—Kirchner in Petzold & Kirchner, *Arb. Muscav.* 551 (1864) "(f.); 2. p. Hort."

*Ulmus americana* α. *glabra* Walpers, *Ann. Bot. Syst.* 3: 424 (1852).

Sect. II. CHAETOPTOLEA (Liebm.) Schneider in *Oester. Bot. Zeitschr.* 66: 27 (1916).

*Chaetoptelea* Liebm. in *Vidensk. Medd. Naturh. For. Kjøbenh.* 1850: 76 (1851); in *Danske Vidensk. Selsk. Skrift. Naturvid.-Math. Afd. ser. 5*, 2: 285 (1851).

*Ulmus* subgen. *Euulmus* K. Koch, *Dendr.* 2, 1: 405 (1872), p. p.

**U. Thomasii** Sargent, *Silva N. Am.* 14: 102 (1902).

*Ulmus racemosa* Thomas in *Am. Jour. Sci.* 19: 170 (1831).—Sargent, *Silva N. Am.* 7: 47, t. 312 (1895).—Non Borkhausen (1800).

**U. alata** Michaux, *Fl. Bor.-Am.* 1: 173 (1803).—Sargent, *Silva N. Am.* 7: 51, t. 313 (1895).

*Ulmus pumila* Walter, *Fl. Carol.* 111 (1788), non Linnaeus (1753).

*Ulmus longifolia* Rafinesque, *New Fl. N. Am.* 3: 38 [1838].

?*Ulmus dimidiata* Rafinesque, *op. cit.* 39 [1838].

*Ulmus americana* γ. *alata* Spach in *Ann. Sci. Nat. Bot. sér.* 2, 15: 364 (1841).

Sect. III. MADOCARPUS Dumortier, *Florula Belg.* 25 (1827).—Schneider in *Oester. Bot. Zeitschr.* 66: 29 (1916); in Sargent, *Pl. Wilson.* 3: 250 (1916).

*Ulmus* sect. *Dryoptelea* Spach in *Ann. Sci. Nat. Bot. sér.* 2, 15: 361 (1841).—Planchon in *Ann. Sci. Nat. Bot. sér.* 3, 10: 260 (1848) "subgen."

*Ulmus* subgen. *Euulmus* K. Koch, *Dendr.* 2, 1: 405 (1872), p. p. typ.

*Ulmus* (sect.) A. *Euulmus* II. *Madocarpus* Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 550 (1911).

**U. rubra** Muhlenberg in *Trans. Am. Philos. Soc.* 3: 165 (Index *Fl. Lancast.*) (1793).—Michaux f., *Hist. Arb. Am.* 3: 278, t. 6 (1813).

*Ulmus fulva* Michaux, *Fl. Bor.-Am.* 1: 172 (1803).—Sargent, *Silva N. Am.* 7: 53, t. 314 (1895).

*Ulmus aspera* Muhlenberg, *Cat. Pl. Am. Sept.* 29 (1813).

*Ulmus Heyderi* Hort. Späth ex Schneider, *Ill. Handb. Laubh.* 1: 216 (1904), pro syn.—Henry in *Elwes & Henry, Trees Gt. Brit. Irel.* 7: 1863 (1913), pro syn.

**U. elliptica** K. Koch in *Linnaea*, 22: 599 (1849); *Dendr.* 2, 1: 420 (1872).—Yarmolenko in *Komarov, Fl. S. S. S. R.* 5: 372 (1936).

*Ulmus scabra* var. *elliptica* Yarmolenko in *Zhurn. Russk. Bot. Obshch.* 12: 18 (1927).

**U. macrocarpa** Hance in *Jour. Bot.* 6: 332 (Nov. 1, 1868).—Planchon in *De Candolle, Prodr.* 17: 162 (1873).—Schneider in Sargent, *Pl. Wilson.* 3: 251 (1916).—Nakai, *Fl. Sylv. Kor.* 19: 19, t. 5 (1932).

?*Ulmus rotundifolia* Carrière in *Rev. Hort.* 1868: 374, fig. 40 (Oct. 1, 1868).

**U. glabra** Hudson, *Fl. Angl.* 95 (1762), exclud. var. β.—Moss, *Cambridge Brit. Fl.* 2: 95, t. 104, 105 (1914).—Schneider in Sargent, *Pl. Wilson.* 3: 254 (1916).

*Ulmus campestris* Linnaeus, *Sp. Pl.* 225 (1753), p. p.—NOM. AMBIG. PROPOS.; cf. *Kew Bull.* 1933: 503 (1933) et *Jour. Bot.* 76: 261 (1938).

*Ulmus scabra* Miller, *Gard. Dict. ed.* 8, *U.* no. 2 (1768) "*scabris*".—Schneider, *Ill. Handb. Laubh.* 1: 216, fig. 136u-v, 137h-l (1904), p. p.—Ascherson & Graebner, *Syn. Mitteleur. Fl.* 4: 560 (1911), p. p.

*Ulmus montana* Withering, *Bot. Arr. Veg. Gt. Brit. ed.* 2, 1: 259 (1787).—Planchon in *De Candolle, Prodr.* 17: 159 (1873), p. p.—Henry in *Elwes & Henry, Trees Gt. Brit. Irel.* 7: 1864, t. 400, 411, fig. 13 (1913).

*Ulmus campestris* γ. *latifolia* Aiton, *Hort. Kew.* 1: 319 (1789).—Persoon, *Syn. Pl.* 1: 291 (1805) "β."

*Ulmus nuda* Ehrhart, *Beitr. Naturk.* 6: 86 (1791).

- Ulmus latifolia* Salisbury, Prodr. Stirp. Chap. Allert. 391 (1796).
- Ulmus excelsa* Borkhausen, Theor.-prakt. Handb. Forstbot. 1: 839 (1800).
- Ulmus corylacea* Dumortier, Florula Belg. 25 (1827).
- Ulmus major* Reichenbach, Icon. Fl. Germ. 12: 13, t. 665, fig. 1335 (1850), exclud. syn.; non Smith (1814).
- Ulmus campestris* var. *scabra* Neilreich, Fl. Wien, 165 (1846).
- Ulmus campestris* var. *montana* Hartig, Vollst. Naturg. Forstl. Culturpfl. 458 (1850), p. p.—Kittel, Taschenb. Fl. Deutschl. ed. 3, 1: 276 (1853) "var. *U. montana*."—Ascherson, Fl. Prov. Brandenb. 1: 614 (1864), exclud. forma.
- Ulmus montana* a. *genuina* Boulger in Gard. Chron. n. ser. 12: 298 (1879).
- Ulmus scabra* var. *typica* Schneider, Ill. Handb. Laubh. 1: 217 (1904).
- Ulmus scabra* i. *typica* 1. *genuina* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 563 (1911).
- U. glabra** f. **purpurea** [Kirchn.] Rehder, Man. Cult. Trees Shrubs, ed. 2, 176 (1940).
- Ulmus campestris* 17. *purpurea* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 557 (1864).
- Ulmus scabra* [f.] h. *U. purpurea* Hort. ex K. Koch, Dendr. 2, 1: 416 (1872).
- Ulmus scabra* subsp. *major* (f.) k. *purpurea* Dippel, Handb. Laubh. 2: 30 (1892).
- Ulmus glabra* var. *purpurea* Rehder, Man. Cult. Trees Shrubs, 185 (1927).
- U. glabra** f. **atropurpurea** (Späth) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 217 [1916] "*atropurpurea*"; in Bailey, Stand. Cycl. Hort. 6: 3410 (1917) "var."
- Ulmus montana atropurpurea* Späth, Hauptkat. 69: 5 (1887).
- Ulmus scabra* f. *atropurpurea* Hort. Späth ex Schneider, Ill. Handb. Laubh. 1: 218 (1904).
- U. glabra** f. **lutescens** (Dipp.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915 (24): 217 [1916]; Man. Cult. Trees Shrubs, 185 (1927) "var."
- Ulmus scabra* l. *lutescens* Dippel, Handb. Laubh. 2: 30 (1892).
- Ulmus montana* (f.) *lutescens* Schelle in Beissner et al., Handb. Laubh.-Ben. 86 (1903).
- Ulmus campestris lutescens* Dieck ex Schelle, l. c. (1903), pro syn.
- U. glabra** f. **cornuta** (David) Rehder in Jour. Arnold Arb. 1: 137 (1919); Man. Cult. Trees Shrubs, 185 (1927) "var."
- Ulmus campestris cornuta* David in Rev. Hort. ser. 2, 4: 102 (1845).
- Ulmus tridens* Hartig, Vollst. Naturg. Forstl. Culturpfl. 460 (1850).—Hort. ex K. Koch, l. c. (1872), pro syn.
- Ulmus expansa* Rota in Bot. Zeit. 13: 469 (1855).
- Ulmus triserrata* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 567 (1864).
- Ulmus scabra* e. *U. tricuspis*, K. Koch, Dendr. 2, 1: 415 (1872).
- Ulmus montana* var. *triserrata* Lavallée, Arb. Segrez. 237 (1877).—Mouillefert, Traité Arb. Arbriss. 2: 1201 (1898).
- Ulmus montana* var. *tridens* Lange, Handb. Danske Fl. ed. 4, 267 (1887), an prius?
- Ulmus scabra* subsp. *major* (f.) f. *tricuspis* Dippel, Handb. Laubh. 2: 29 (1892).
- Ulmus montana* f. *lobata* Waisbecker in Oester. Bot. Zeitschr. 49: 67 (1899).
- Ulmus scabra* f. *heterophylla* Schneider, Ill. Handb. Laubh. 1: 218 (1904), p. p.
- Ulmus glabra* f. *grandidentata* Moss, Cambridge Brit. Fl. 2: 96 (1914), p. p.—Rehder in Bailey, Stand. Cycl. Hort. 6: 3410 (1917) "var."—Vix *U. corylacea* var. *grandidentata* Dumortier (1827).
- Ulmus glabra* f. *tricuspis* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 216 [1916].
- U. glabra** f. **crispa** (Willd.) Rehder in op. cit. 217 [1916]; Man. Cult. Trees Shrubs, 186 (1927) "var."
- Ulmus crispa* Willdenow, Enum. Pl. Hort. Berol. 295 (1809).
- Ulmus urticifolia* Audibert, Cat. Princip. Arb. Tonnelle, 23 (1817).
- Ulmus montana* var. *crispa* Loudon, Arb. Brit. 3: 1399 (1838).
- Ulmus sublaciniatus* Mathieu, Fl. Gén. Belg. 1: 480 (1853), sub *U. campestris* pro var.
- Ulmus scabra* subsp. *major* (f.) h. *crispa* Dippel, Handb. Laubh. 2: 29 (1892).—Schneider, Ill. Handb. Laubh. 1: 217, fig. 136y (1904) "f."
- Ulmus asplenifolia* Hort. ex Rehder, Man. Cult. Trees Shrubs, 186 (1927), pro syn.
- U. glabra** f. **pendula** (Loud.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 216 [1916]; Man. Cult. Trees Shrubs, 186 (1927) "var."
- Ulmus montana* var. *pendula* Loudon, Arb. Brit. 3: 1398 (1838).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1867, t. 393 (1913).
- Ulmus pendula* Loddiges, Cat. 1836 ex Loudon, l. c. (1838), pro syn.; non Willdenow (1811).
- Ulmus horizontalis* Hort. ex Loudon, l. c. (1838), pro syn.
- Ulmus montana* (f.) *horizontalis* Kirchner in Petzold & Kirchner, Arb. Muscav. 564 (1864).
- Ulmus scabra* b. *horizontalis* Dippel, Handb. Laubh. 2: 28 (1892).
- U. glabra** f. **camperdownii** (Henry) Rehder in Mitt. Deutsch. Dendr. Ges. 1915 (24): 216 [1916]; Man. Cult. Trees Shrubs, 186 (1927) "var."
- Ulmus montana* 8. *pendula* Kirchner in Petzold & Kirchner, Arb. Muscav. 565 (1864), non Loudon (1838).
- Ulmus montana pendula nova* Hort. ex Kirchner, l. c. (1864), pro syn.
- Ulmus scabra* (f.) c. *pendula* Dippel, Handb. Laubh. 2: 29 (1892).—Schneider, Ill. Handb. Laubh. 1: 218 (1904) "var."
- Ulmus montana* var. *pendula Camperdownii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1867 (1913).
- ?*Ulmus hollandica* var. *Camperdownii* J. F. Lersy in Bull. Mus. Hist. Nat. Paris sér. 2, 17: 255 (1946).
- U. glabra** f. **exoniensis** (K. Koch) Rehder in Jour. Arnold Arb. 19: 264 (1938).
- Ulmus montana* var. 9. *fastigiata* Hort. ex Loudon, Arb. Brit. 3: 1399 (1838), non *U. glabra fastigiata* Kirchner (1864).
- Ulmus glabra replicata* Hort. Dur. ex Loudon, l. c. (1838), pro syn.
- Ulmus Fordii* Hort. ex Loudon, l. c. (1838), pro syn.
- Ulmus exoniensis* Hort. ex Loudon, l. c. (1838), pro syn.
- Ulmus scabra* g. *U. exoniensis* Hort. ex K. Koch, Dendr. 2, 1: 416 (1872).
- Ulmus exoniensis* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 15: 150 (1872).

**Ulmus glabra** f. *exoniensis* (continued)

- Ulmus montana* a. *genuina* 2. *exoniensis* Boulger in Gard. Chron. n. ser., **12**: 298 (1879).
- Ulmus scabra* a. *pyramidalis* sensu Dippel, Handb. Laubh. **2**: 28 (1892), quoad syn. "*fastigiata* et *exoniensis*"; non *U. scabra* c. *U. pyramidalis* K. Koch (1872).
- Ulmus scabra* var. *fastigiata* (Loud.) Rehder in Bailey, Cycl. Am. Hort. **4**: 1881 (1902).—Schneider, Ill. Handb. Laubh. **1**: 218 (1904).
- Ulmus scabra* i. *typica* 1. *genuina* lus. *fastigiata* (Schneid.) Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 563 (1911).
- Ulmus glabra* f. *fastigiata* (Loud.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 216 [1916]; in Bailey, Stand. Cycl. Hort. **6**: 3410 (1917) "var."; non Kirchner (1864), nec Dippel (1892).
- U. glabra** f. *nana* (Dipp.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 216 [1916].
- Ulmus scabra* var. *nana* Dippel, Handb. Laubh. **2**: 29 (1892).
- U. glabra** f. *monstrosa* (Schneid.) Rehder in Jour. Arnold Arb. **19**: 265 (1938).
- Ulmus montana* (f.) *monstrosa* Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **87** (1903), nom.
- Ulmus scabra* var. e. *nana* f. *monstrosa* Schneider, Ill. Handb. Laubh. **1**: 218 (1904).
- Ulmus scabra* i. *typica* 1. *genuina* monst. *monstrosa* (Schneid.) Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 562 (1911).
- U. glabra** f. *nitida* (Fries) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 216 [1916]; Man. Cult. Trees Shrubs, **187** (1927) "var."
- Ulmus montana nitida* Fries, Novit. Fl. Suec. Mant. **3**: 20 (1842).—Syme in Sowerby, Engl. Fl. **8**: 142 (1868) "var.  $\gamma$ ".—Hartman, Handb. Scand. Fl. ed. 11, **1**: 344 (1879) " $\gamma$ ".—Non Hartman (1858).
- Ulmus montana laevigata* Fries, Summa Veg. Scand. **53** (1846), nom.
- U. arbuscula** [*U. glabra*  $\times$  *pumila*] Wolf in Mitt. Deutsch. Dendr. Ges. **1910**(19): 286, 290 [1911] "*pumila*  $\times$  *montana*".
- U. Brandisiana** Schneider in Oester. Bot. Zeitschr. **66**: 30 (1916); in Sargent, Pl. Wilson. **3**: 252 (1916).
- ?*Ulmus effusa* sensu Brandis, For. Fl. Ind. **432** (1874), quoad specim. "T. Thomson," non Willdenow (1787).
- ?*Ulmus Wallichiana* Hooker f., Fl. Brit. Ind. **5**: 480 (1888), p. p.
- U. Bergmanniana** Schneider, Ill. Handb. Laubh. **2**: 902, fig. 565a, b, fig. 566a, b (1912); in Sargent, Pl. Wilson. **3**: 240 (1916).
- Ulmus montana* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 448 (1894), non Withering (1787).
- U. laciniata** (Trautv.) Mayr, Fremdl. Wald- & Parkbäume, **523**, fig. 243 (1906), p. p.—Schneider in Sargent, Pl. Wilson. **3**: 255 (1916).—Nakai, Fl. Sylv. Kor. **19**: 16, t. 2, 3 (1932).
- Ulmus major* var. *heterophylla* Maximowicz & Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 139 (in Mém. Biol. **2**: 434. 1857) (1856).
- Ulmus montana* sensu Maack & Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 376 (in Mém. Biol. **2**: 557. 1858) (1857).—Non Withering (1787).
- Ulmus montana* var. *laciniata* Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 246 (in Maximowicz, Prim. Fl. Amur.) (1859).

*Ulmus scabra* var. *typica* f. *heterophylla* Schneider, Ill. Handb. Laubh. **1**: 218 (1904), p. p.

**U. laciniata** var. *nikkoensis* Rehder in Jour. Arnold Arb. **1**: 137 (1919).

- U. procera** Salisbury, Prodr. Stirp. Chap. Allert. **391** (1796).—Rehder in Jour. Arnold Arb. **1**: 138 (1919).
- Ulmus campestris* Linnaeus, Sp. Pl. **225** (1753), p. p.—Moss, Cambridge Brit. Fl. **2**: 94, t. 102 (1914).—Nom. AMBIG. PROPOS.; cf. sub *U. glabra* (p. 136).
- Ulmus campestris* a. *vulgaris* Aiton, Hort. Kew. **1**: 319 (1789).—Planchon in De Candolle, Prodr. **17**: 156 (1873).
- Ulmus suberosa* Smith, Engl. Bot. **31**: t. 2161 (1810), non Moench (1785), nec Ehrhart (1791).
- Ulmus atinia* Walker, Essays Nat. Hist. **70** (1812).
- Ulmus surculosa* Stokes, Bot. Mat. Med. **2**: 37 (1812).
- Ulmus surculosa* a. *latifolia* Stokes, op. cit. **38** (1812).
- Ulmus vulgaris* Dumortier, Florula Belg. **25** (1827).
- Ulmus suberosa* var. *vulgaris* Hooker & Arnott, Brit. Fl. **376** (1850).
- Ulmus germanica* Hartig, Vollst. Naturg. Forstl. Culturpf. **460** (1851).
- Ulmus campestris* a. *U. vulgaris* Kittel, Taschenb. Fl. Deutschl. ed. 3, **1**: 276 (1853).
- Ulmus campestris* a. *vulgatissima* Miller ex Boulger in Gard. Chron. n. ser. **12**: 298 (1879).
- Ulmus glabra* b. *pilifera* Borbás, Békésvárm. Fl. **55** (Érték. Köréb. Magyar Tudom. Akad. **11**, no. **18**) (1881).
- Ulmus pilifera* Borbás in Evkón. Magyar Orvos. Termés. Nagyg. **25**: 486 (Közl. Békes Bihar Varmeg. Fl.) (1881).
- Ulmus asperima* Simonkai, Nagyvár. Vidék. Növényv. [Fl. Grosswardein] (in Nagyvárd. Termesz.) (1890); ex Oester. Bot. Zeitschr. **40**: 424 (1890).
- Ulmus campestris*  $\beta$ . *germanica* Hart. f. *pubescens* Pospichal, Fl. Oester. Küstenl. **1**: 347 (1897).
- Ulmus glabra* Miller  $\beta$ . *pubescens* Schneider, Ill. Handb. Laubh. **1**: 220 (1904).
- Ulmus campestris* a. *latifolia* 1. *pubescens* Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 557 (1911).
- U. procera** f. *argenteo-variegata* (West.) Rehder in Jour. Arnold Arb. **1**: 139 (1919).
- Ulmus campestris* 2. *argenteo-variegata* Weston, Bot. Univ. **1**: 314 (1770).
- Ulmus campestris* var. *foliis variegatis* Loddiges ex Loudon, Arb. Brit. **3**: 1376 (1838).
- Ulmus campestris* a. *vulgatissima* 1. *variegata* (Loud.) Boulger in Gard. Chron. n. ser. **12**: 298 (1879).—Dippel, Handb. Laubh. **2**: 25 (1892) "*U. c. i. v.*"
- U. procera** f. *purpurea* (Wesm.) Rehder in Jour. Arnold Arb. **1**: 140 (1919).
- Ulmus campestris* var. *purpurea* H. Vilv. ex Wesmael in Bull. Féd. Soc. Hort. Belg. **1862**: 390 (1863).—Kirchner in Petzold & Kirchner, Arb. Muscav. **557** (1864) "*U. c. 17. p.*"
- Ulmus purpurea* Hort. ex Kirchner, l. c. (1864), pro syn.
- U. procera** f. *purpurascens* (Schneid.) Rehder in Jour. Arnold Arb. **1**: 140 (1919).
- Ulmus campestris* *myrtifolia purpurea* De Smet, Cat. no. **10**: 59 (1877), non *U. campestris p.* Wesmael (1862).
- ?*Ulmus campestris* var. *purpurascens* Lavallée, Arb. Segrez. **236** (1877), nom.
- Ulmus glabra* Mill. var. *pubescens* f. *purpurascens* Schneider, Ill. Handb. Laubh. **1**: 220 (1904).
- Ulmus campestris* a. *latifolia* 1. *pubescens* c. *Berardi* lus. *purpurascens* Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 558 (1911).

- Ulmus campestris* var. *purpurascens* (Schneid.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1905 (1912).
- U. procera** f. *Vanhouttei* (Schelle) Rehder in Jour. Arnold Arb. 1: 140 (1919) "var."
- Ulmus campestris* "Louis Van Houtte" Deegen in Ill. Monatsh. Gartenb. 5: 103 (1886).
- Ulmus montana* f. *lutescens* van Houttei hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 86 (1903).
- Ulmus glabra* Mill. var. *pubescens* f. *van Houttei* Schneider, Ill. Handb. Laubh. 1: 220 (1904).
- Ulmus campestris* A. *latifolia* 1. *pubescens* c. *Berardi* lus. Van Houttei Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 558 (1911).
- Ulmus campestris* var. *Vanhouttei* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1905 (1912).
- U. procera** var. *Berardii* (Simon-Louis) Rehder in Jour. Arnold Arb. 1: 140 (1919).
- Ulmus Berardi* Simon-Louis, Cat. 1869: 96, fig. 7 (1869). — Carrière in Rev. Hort. 1873: 340 (1873).
- Ulmus glabra* Mill. var. *pubescens* f. *berardii* Schneider, Ill. Handb. Laubh. 1: 220, fig. 1361-m (1904).
- Ulmus campestris* a. *latifolia* 1. *pubescens* c. *Berardi* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 558 (1911).
- Ulmus campestris* var. *Berardii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1906 (1913) "var."
- Ulmus nitens* var. *Berardi* Bean, Trees Shrubs Gt. Brit. 2: 618 (1914).
- U. procera** f. *myrtifolia* (Bean) Rehder in Jour. Arnold Arb. 20: 87 (1939).
- Ulmus campestris* var. *myrtifolia* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, 2: 135 (1896), nom.; ed. 2, 615 (1902); ed. 3 [Bean], 271 (1925), nom.
- Ulmus buxifolia* Hort. ex Nicholson, l. c. (1896), pro syn.
- Ulmus procera* var. *myrtifolia* [Bean] in Kew Hand-list Trees Shrubs, ed. 4, 341 (1934), nom.
- U. procera** var. *viminalis* (Loud.) Rehder in Jour. Arnold Arb. 1: 140 (1919).
- Ulmus campestris* var. *viminalis* Loudon, Arb. Brit. 3: 1376; 7: t. 185a (1838).
- Ulmus viminalis* Loddiges ex Loudon, l. c. (1838), pro syn. — Bean, Trees Shrubs 2: 621 (1914).
- Ulmus antarctica* Hort. ex Kirchner, in Petzold & Kirchner, Arb. Muscav. 551 (1864).
- Ulmus gracilis* Hort. ex Kirchner, l. c. (1864), pro syn.
- Ulmus scabra* (f.) m. *U. viminalis* K. Koch, Dendr. 2,1: 418 (1872).
- Ulmus campestris* a. *vulgatissima* 3. *viminalis* Masters ex Boulger in Gard. Chron. n. ser., 12: 298 (1879).
- Ulmus campestris* var. *gracilis* Hartwig & Rümpler, Bäume Sträuch. 580 (1879).
- Ulmus scabra* var. *viminalis* Dippel, Handb. Laubh. 2: 30 (1892).
- Ulmus scabra* f. *major viminalis* Voss, Vilmor. Blumen-gärt. 1: 906 (1895).
- Ulmus montana* var. *viminalis* f. *gracilis* Baenitz, Herb. Dendr. (1901), in sched.
- Ulmus montana* (f.) *viminalis* Schelle in Beissner et al., Handb. Laubh.-Ben. 85 (1903).
- Ulmus glabra* Mill. var. *pendula* f. *viminalis* Schneider, Ill. Handb. Laubh. 1: 220, fig. 136n (1904).
- Ulmus glabra* Mill. var. *pendula* f. *antarctica* Schneider, l. c. fig. 136o (1904).
- Ulmus campestris* a. *glabra* a. *vulgaris* lus. *viminalis* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 554 (1911).
- Ulmus campestris* a. *glabra* a. *vulgaris* lus. *antarctica* Ascherson & Graebner, l. c. (1911).
- U. procera** f. *aurea* (Morren) Rehder in Jour. Arnold Arb. 1: 141 (1919) "var. *viminalis* f. a."
- Ulmus campestris* var. *aurea* Morren in Belg. Hort. 16: t. 356-7 (1866). — Lemaire in Ill. Hort. 14: t. 513 (1867).
- Ulmus scabra* (f.) *U. Rosseelsii* K. Koch, Dendr. 2,1: 412 (1872), pro syn.
- Ulmus campestris* var. *antarctica aurea* [Nicholson] in Kew Hand-list Trees Shrubs Kew, 2: 135 (1896).
- Ulmus montana* (f.) *viminalis gracilis aurea* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 86 (1903).
- Ulmus campestris* (f.) *Rosscelsii* [sic] hort. ex Schelle, op. cit. 83 (1903).
- Ulmus campestris* var. *viminalis aurea* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1907 (1913).
- Ulmus viminalis* var. *aurea* Bean, Trees & Shrubs Brit. Isl., 2: 621 (1914).
- U. procera** f. *marginata* (Kirchn.) Rehder in Jour. Arnold Arb. 1: 141 (1919) "var. *viminalis* f. m."
- Ulmus campestris* 14. *viminalis marginata* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 556 (1864).
- Ulmus campestris* var. *viminalis variegata* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs Kew, 2: 137 (1896), nom.
- Ulmus montana* (f.) *viminalis marginata* Schelle in Beissner et al., Handb. Laubh.-Ben. 85 (1903), nom.
- Ulmus campestris viminalis superba* hort. ex Schelle, l. c. (1903), pro syn.
- Ulmus viminalis* var. *variegata* Bean, Trees Shrubs Brit. Isl., 2: 621 (1914).
- U. procera** var. *australis* (Henry) Rehder in Jour. Arnold Arb. 1: 141 (1919).
- Ulmus campestris* var. *australis* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1904, t. 412, fig. 17 (1913).
- U. japonica** (Rehd.) Sargent, Trees & Shrubs, 2: 1, t. 101 (1907). — Schneider in Sargent, Pl. Wilson. 3: 258 (1916). — Non Siebold (1830), nom.
- Ulmus pumila* β. *suberosa* Turczaninow in Bull. Soc. Nat. Moscou, 27: 369 (1854).
- Ulmus glabra* sensu Maximowicz & Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 138 (in Mém. Biol. 2: 434. 1857) (1856); non Miller (1768).
- Ulmus suberosa* sensu Maack & Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 375 (in Mém. Biol. 2: 557. 1858) (1857); non Moench (1785).
- Ulmus campestris* var. *laevis* sensu Trautvetter in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 247 (Maximowicz, Prim. Fl. Amur.) (1859), non Spach (1841), nec Walpers (1852).
- Ulmus campestris* var. *major* sensu Trautvetter in op. cit. 248 (1859), non Walpers (1852).
- Ulmus campestris* a. *vulgaris* sensu Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4: 133 (Tent. Fl. Ussur.) (1861); non Aiton (1789), nec Ledebour (1850).
- Ulmus campestris* β. *suberosa* sensu Regel in op. cit. 134 (1861), non Wahlenberg (1814), nec Ledebour (1850).
- Ulmus campestris* var. *major* f. *suberosa* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 65 (Prol. Fl. Jap. 253) (1867); non *U. c.* var. *suberosa* Wahlenberg (1814).
- Ulmus campestris* sensu Miyabe in Mem. Boston Soc. Nat. Hist. 4: 258 (Fl. Kurile Isl.) (1890). — Sargent in Gard. & For. 6: 323, fig. 50 (1893). — Non Linnaeus (1753), nec Smith (1808).
- Ulmus campestris* var. *Japonica* Sargent in herb. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1882 (1902). — Miyabe & Miyake, Fl. Saghal. 403 (1915).

**Ulmus japonica** (continued)

*Ulmus montana* var. *major* sensu Nakai in Jour. Coll. Sci. Tokyo, **31**: 190 (Fl. Kor. II) (1911), non Syme (1868), nec Gürcke (1897).

*Ulmus Davidiana* var. *japonica* (Rehd.) Nakai, Fl. Sylv. Kor. **19**: 26, t. 9 (1932).

*Ulmus Davidiana* var. *japonica* f. *suberosa* Nakai, op. cit. 29, t. 10 (1932).

**U. Davidiana** Planchon in Compt. Rend. Acad. Sci. Paris, **74**, 1: 1498 (1872), nom.; in De Candolle, Prodr. **17**: 158 (1873).—Schneider in Sargent, Pl. Wilson. **3**: 261 (1916).—Nakai, Fl. Sylv. Kor. **19**: 25, t. 8 (1932).

**U. Wilsoniana** Schneider, Ill. Handb. Laubh. **2**: 904, fig. 565e, 566c-d (1912); in Sargent, Pl. Wilson. **3**: 238 (1916).

**U. hollandica** [*U. carpinifolia* × *glabra*] Miller, Gard. Dict. ed. 8, U. no. 5 (1768).—Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 217 [1916]; in Bailey, Stand. Cycl. Hort. **6**: 3411 (1917).

*Ulmus dippeliana* Schneider, Ill. Handb. Laubh. **1**: 218 (1904).

**U. hollandica** var. *major* (Sm.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 217 [1916].

*Ulmus major* Smith in Sowerby, Engl. Bot. **36**: t. 2542 (1814).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1883, t. 412, fig. 15 (1913).

*Ulmus campestris* β. *major* Planchon in Ann. Sci. Nat. Bot. sér. 3, **10**: 273 (1848).

*Ulmus suberosa* β. *major* Hooker & Arnott, Brit. Fl. ed. 8, 393 (1860).

*Ulmus montana* β. *major* Syme in Sowerby, Engl. Bot. ed. 3, **8**: 142 (1868).

*Ulmus scabra* var. *major* Dippel, Handb. Laubh. **2**: 28 (1892).—Gürke in Richter, Pl. Eur. **2**: 73 (1907).

*Ulmus dippeliana* f. *bataviana* Schneider, Ill. Handb. Laubh. **1**: 218, fig. 136s (1904).

**U. hollandica** var. *vegeta* (Loud.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 217 [1916].

*Ulmus vegeta* [Lindley in Donn, Hort. Cantabrig. ed. 10, 93 (1823), nom.]—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1279, t. 395, 412, fig. 16 (1913).

*Ulmus glabra* var. 2. *vegeta* Loudon, Arb. Brit. **3**: 1404 (1838).

*Ulmus montana* var. *vegeta* Kirchner in Petzold & Kirchner, Arb. Muscav. 565 (1864).

*Ulmus dippeliana* f. *vegeta* Schneider, Ill. Handb. Laubh. **1**: 218 (1904).

*Ulmus Huntingdoni* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. **6**: 3411 (1917), pro syn.

**U. hollandica** var. *belgica* (Burgsd.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 217 [1916].

*Ulmus belgica* Burgsdorf, Anleit. Kenntn. Holzart. 270 (1805), exclud. syn. "Duroi" et "Willd."—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1869, t. 442, fig. 18 (1913).

*Ulmus latifolia* Poederle, Man. de l'Arb. ed. 3, **2**: 117 (1792), pro syn.

*Ulmus campestris bataviana* Simon-Louis, Cat. **1869**: 96 (1869), nom.

*Ulmus bataviana* K. Koch, Dendr. **2**, 1: 414 (1872), pro syn.

*Ulmus campestris* var. *belgica* Lavallée, Arb. Segrez. 235 (1877), nom.

*Ulmus campestris latifolia* Gillekens, Arb. Forest. 38 (1891), non Aiton (1789).

*Ulmus montana* var. *hollandica* Huberty in Bull. Soc. Centr. For. Belg. **11**: 566 (1904).

**U. hollandica** var. *Dumontii* (Mottet) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 218 [1916].

*Ulmus campestris* (var.) *Dumontii* Mottet in Nicholson & Mottet, Dict. Prat. Hort. **5**: 383 (1898).

*Ulmus montana* var. *Dumontii* Aigret in Ann. Trav. Publ. Belg. **10**: 1231 (Fl. Anal. Descr. Plant. Routes Belg.) (1905).

*Ulmus belgica* var. *Dumontii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1871 (1913).

**U. hollandica** var. *Klemmer* (Gillekens) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 218 [1916].

*Ulmus campestris* var. *Klemmer* Gillekens, Élév. Arb. Forest. 40 (1891).—Aigret in Ann. Trav. Publ. Belg. **10**: 1224 (Fl. Anal. Descr. Plant. Routes Belg.) (1905) "Orme Klemmer."

*Ulmus Klemmeri* Späth, Kat. no. **104**: 134 (1899).—Huberty in Bull. Soc. For. Belg. **11**: 495 (1904); **12**: 173, t. 21 (1905).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1872 (1913).

*Ulmus campestris* var. *Clemmeri* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1882 (1902).

**U. hollandica** var. *superba* (Morr.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 218 [1916].

*Ulmus montana* var. *superba* Morren in Jour. Agric. Prat. Belg. **1**: 411, fig. (1848).—Späth, [Kat.] no. **62**: 102 (1885).

*Ulmus praestans* Schoch ex Beterams in Mitt. Deutsch. Dendr. Ges. **1911**(20): 250 (1911), nom. subnud.; Schoch ex Beissner in Mitt. Deutsch. Dendr. Ges. **1912**(21): 227 [1913], pro syn.

*Ulmus superba* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1873 (1913).

**U. hollandica** var. *Dauvessei* (Henry) Rehder in Jour. Arnold Arb. **6**: 207 (1925).

*Ulmus montana* var. *Dauvessei* [Nicholson] in Kew Handlist Trees Shrubs, **2**: 139 (1896), nom.

*Ulmus campestris* var. *Dauvessei* Hort. ex [Nicholson], l. c. (1896), pro syn.

*Ulmus Dauvessei* Henry in Elwes & Henry, Trees Gt. Brit. Ireland, **7**: 1874 (1913).

**U. hollandica** var. *Pitteursii* (Kirchn.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 218 [1916].

["L'Orme-Pitteurs" Morren in Jour. Agric. Prat. Belg. **1**: 114 (1848); **4**: 511, fig. (1851); in Belg. Hort. **2**: 133, fig. 21 (1852).]

*Ulmus Pitteursii* Kirchner in Petzold & Kirchner, Arb. Muscav. 566 (1864).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1873 (1913).

*Ulmus scabra* i. *U. Pitteursii* K. Koch, Dendr. **2**, 1: 416 (1872).

*Ulmus scabra* var. *Pitteursii* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1881 (1902).

**U. hollandica** var. *pendula* (W. Mast.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 217 [1916].

*Ulmus pendula* W. Masters, Hort. Duroverni, 66 (1831), non Willdenow (1811).

*Ulmus glabra* var. 8. *pendula* Loudon, Arb. Brit. **3**: 1405 (1838).

*Ulmus Smithii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1868, t. 411, fig. 9 (1913).



- Ulmus montana* var. *Smithii* Hort. ex Henry, l. c. (1913), pro syn.
- U. carpinifolia** Gleditsch, Pflanzenverz. 354 (1773). — Ruppius ex Suckow, Oek. Bot. 40 (1777). — Borkhausen, Vers. Forstbot. Besch. Holzart. 35 (1790); Theor.-Prakt. Handb. Forstbot. 1: 839 (1800). — Druce, Comital. Fl. Brit. Isles, 266 (1932). — Rehder in Jour. Arnold Arb. 19: 266 (1938). — Melville in Jour. Linn. Soc. Lond. 53: 83, fig. 1–2, t. 3 (1946).
- Ulmus campestris* Linnaeus, Sp. Pl. 225 (1753), p. p. — NOM. AMBIG. PROPOS. cf. p. 136 sub *U. glabra*.
- Ulmus glabris* Miller, Gard. Dict. ed. 8, U. no. 4 (1768) "glaber" in Corr. ad fin. vol.; non *U. glabra* Hudson (1762).
- Ulmus sativa* Du Roi, Harbk. Baumz. 2: 502 (1772), non Miller (1768).
- ?*Ulmus angustifolia* Gordon & Dermer ex C. F. Ludwig, Neu. Wilde Baumz. 52 (1783), nom.
- Ulmus campestris* δ. *glabra* Aiton, Hort. Kew. 1: 319 (1789).
- Ulmus nuda* Ehrhart, Beitr. Naturk. 6: 86 (1791), p. p.
- Ulmus foliacea* Gilibert, Exerc. Phytol. 2: 395 (1792). — Schneider in Oester. Bot. Zeitschr. 66: 79 (1916). — Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).
- Ulmus campestris* β. *U. carpinifolia* Ruppius ex Suckow, Anfangsgr. Theor. Angew. Bot. 2: 138 (1786). — Borkhausen in Rhein. Mag. Erweit. Naturk. 1: 498 (1793). — Kittel, Taschenb. Fl. Deutschl. ed. 3, 1: 276 (1853) "U. c. c. U. c."
- Ulmus nitens* Moench, Meth. Pl. 333 (1794). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1894 (1913). — Stearn in Jour. Bot. 70(suppl.): 21 (1932).
- Ulmus surculosa* var. *glabra* Stokes, Bot. Mat. Med. 2: 37 (1812).
- ?*Ulmus reticulata* β. ? *sepearia* Dumortier, Florula Belg. Prodr. 25 (1827), p. p.
- Ulmus campestris* Spielart b. *carpinifolia* G. F. W. Meyer, Chloris Hannov. 80 (1836).
- Ulmus campestris* α. *nuda* Koch, Syn. Fl. Germ. 637 (1837), p. p.
- Ulmus campestris* var. *laevis* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 362 (1841).
- ?*Ulmus campestris* d. *U. corylifolia* Kittel, Taschenb. Fl. Deutschl. ed. 3, 1: 276 (1853).
- ?*Ulmus nemoralis* sensu Heldreich, Nutzpfl. Griech. 19 (1862), nom. — Fraas, Syn. Pl. Fl. Class. 244 (1870), nom. subnud. — Boissier ex Planchon in De Candolle, Prodr. 17: 156 (1873), pro syn. — Non Aiton (1789).
- Ulmus suberosa* var. *glabra* Syme in Sowerby, Engl. Bot. ed. 3, 8: 138 (1868).
- Ulmus campestris* c. *laevis* 1. *carpinifolia* (Lindl.) Boulger in Gard. Chron. n. ser., 12: 298 (1879).
- Ulmus glabra* α. *typica* f. 1. *carpinifolia* Pospichal, Fl. Oester. Küstenl. 1: 347 (1897).
- Ulmus sativa* Mill. g. *carpinifolia* (Lindl.) Druce, List Brit. Pl. 63 (1908).
- Ulmus vulgaris* var. *carpinifolia* (Math. & Fl.) Rouy, Fl. France, 12: 266 (1910).
- Ulmus campestris* α. *glabra* 3. *carpinifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 555 (1911).
- U. carpinifolia** f. *variegata* (Dum.-Cours.) Rehder in Jour. Arnold Arb. 19: 268 (1938).
- Ulmus campestris* var. *U. glabra variegata* Dumont de Courset, Bot. Cult. ed. 2, 6: 384 (1811).
- Ulmus glabra* var. 9. *variegata* Loudon, Arb. Brit. 3: 1405 (1838).
- Ulmus nitens* var. *variegata* (Dum.-Cours.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1895 (1913).
- Ulmus foliacea* var. *variegata* Rehder in Bailey, Stand. Cycl. Hort. 6: 3413 (1917).
- U. carpinifolia** f. *pendula* (Schneid.) Rehder in Jour. Arnold Arb. 19: 268 (1919).
- Ulmus campestris* f. *pendula* Dippel, Handb. Laubh. 2: 24 (1892), non David (1845), nec Kuntze (1867). — Rehder in Bailey, Cycl. Am. Hort. [4]: 1882 (1902), pro var.
- Ulmus glabra* var. d. *pendula* (Dipp.) Schneider, Ill. Handb. Laubh. 1: 220 (1904), p. p.
- Ulmus glabra* var. d. *pendula* f. *wentworthii* Schneider, l. c. (1904).
- Ulmus campestris* α. *glabra* α. *vulgaris* lus. *pendula* (Dipp.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 554 (1911).
- Ulmus nitens* var. *pendula* (Rehd.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1893 (1913).
- Ulmus foliacea* var. *pendula* Rehder in Bailey, Stand. Cycl. Hort. 6: 3413 (1917).
- U. carpinifolia** f. *Webbiana* (Simon-Louis) Rehder in Jour. Arnold Arb. 19: 271 (1938) "var. *cornubiensis* f. W."
- ?*Ulmus campestris* var. 17. *concavaefolia* Hort. ex Loudon, Arb. Brit. 3: 1378 (1838).
- Ulmus campestris* *Webbiana* Lee ex Simon-Louis, Cat. 1869: 97 (1869).
- Ulmus glabra* var. *Webbiana* Lee ex Hartwig, Ill. Gehölzb. 392 (1892).
- Ulmus nitens* var. *Webbiana* (Simon-Louis) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1895 (1913).
- Ulmus foliacea* var. *Webbiana* Rehder in Bailey, Stand. Cycl. Hort. 6: 3413 (1917).
- U. carpinifolia** var. *Dampieri* (Wesm.) Rehder in Jour. Arnold Arb. 19: 271 (1938).
- Ulmus campestris* α. *nuda* subvar. 6. *fastigiata Dampieri* Hort. Vilv. ex Wesmael in Bull. Féd. Soc. Hort. Belg. 1862: 389 (1863).
- Ulmus montana* 3. *Dampieri* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 563 (1864).
- Ulmus scabra* var. *Dampieri* Hort. ex Hartwig, Ill. Gehölzb. 393 (1892).
- ×*Ulmus dippeliana* f. *dampieri* (Kirchn.) Schneider, Ill. Handb. Laubh. 1: 218 (1904).
- Ulmus nitens* var. *Dampieri* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1894 (1913).
- Ulmus foliacea* var. *Dampieri* (Kirchn.) Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).
- U. carpinifolia** f. *Wredei* (Jühlke) Rehder in Jour. Arnold Arb. 19: 272 (1938) "var. *Dampieri* f. W."
- Ulmus Dampieri* var. *Wredei* Jühlke in Hamburg. Gart.- & Blumenzeit. 33: 485 (1877).
- Ulmus campestris* *Wredei* Hort. ex Lauche, Deutsche Dendr. 347 (1880).
- Ulmus montana* var. *Dampieri aurea* Wrede ex Jäger & Beissner, Ziergeh. ed. 2, 403 (1884).
- Ulmus montana* var. *Dampieri Wredei* Rümpler, Ill. Gartenbau-Lex. 930 (1890).
- Ulmus scabra* var. *Dampieri* var. *Wredei* Hartwig, Ill. Gehölzb. 393 (1892).
- Ulmus montana* var. *fastigiata aurea* Hort. [ex Nicholson,] Kew Hand-list Trees Shrubs, 2: 141 (1896).
- Ulmus Dampieri aurea* Hort. [ex Nicholson], l. c. (1896), pro syn.
- Ulmus Wredei* Hort. [ex Nicholson], l. c. (1896), pro syn.

**Ulmus carpinifolia f. Wredei** (continued)

- Ulmus dippehiana f. wredei* (Hort.) Schneider, Ill. Handb. Laubh. 1: 218, f. 136, p. (1904) "X".  
*Ulmus nitens f. Wredei* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 218 [1916].  
*Ulmus foliacea* var. *Wredei* Rehder in Bailey, Stand. Cycl. Hort. 6: 3413 (1917).  
*Ulmus Wredei aurea* Hort. ex Rehder, Man. Cult. Trees Shrubs, 189 (1927), pro syn.

**U. carpinifolia** var. **cornubiensis** (West.) Rehder in Jour. Arnold Arb. 19: 270 (1938).

- Ulmus campestris* 7. *cornubiensis* Weston, Bot. Univ. 1: 315 (1770).  
*Ulmus campestris* β. *stricta* Aiton, Hort. Kew. 1: 319 (1789), p. p.  
*Ulmus reticulata a. stricta* (H. H. Lond. nec dec.) Dumortier, Florula Belg. 25 (1827).  
*Ulmus stricta* Lindley, Syn. Brit. Fl. 227 (1829). — Bancroft in Jour. Bot. 75: 344 (1937) "pX".  
*Ulmus campestris* var. *cornubiensis* Loudon, Arb. Brit. 3: 1376 (1838).  
*Ulmus campestris* d. *fastigiata* (Audib. Cat.) Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 362 (1841).  
*Ulmus glabra* 2. *fastigiata* Kirchner in Petzold & Kirchner, Arb. Muscav. 560 (1864).  
*Ulmus glabra* var. c. *stricta* (Loud.) Schneider, Ill. Handb. Laubh. 1: 220 (1904).  
*Ulmus sativa c. stricta* (Lindl.) Druce, List. Brit. Pl. 63 (1908).  
*Ulmus nitens* var. *stricta* (Ait.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1888, t. 397, 412, fig. 20 (1913).  
*Ulmus foliacea* var. *stricta* Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).

**U. carpinifolia f. sarniensis** (Loud.) Rehder in Jour. Arnold Arb. 19: 270 (1938) "var. *cornubiensis* f. s."

- Ulmus campestris* var. 8. *sarniensis* (Lodd.) Loudon, Arb. Brit. 3: 1376 (1838).  
*Ulmus campestris* *Wheatleyi* Simon-Louis, Cat. 1869: 98 (1869). — Bean in Gard. Chron. ser. 3, 41: 149, fig. 67 (1907).  
*Ulmus stricta* var. *sarniensis* Moss in Gard. Chron. ser. 3, 51: 199 (1912).  
*Ulmus nitens* var. *Wheatleyi* (Simon-Louis) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1891, t. 412, fig. 21 (1913).  
*Ulmus stricta* var. *Wheatleyi* Bean, Trees Shrubs Brit. Isl. 1: 86, t.; 2: 620 (1914).  
*Ulmus foliacea* var. *Wheatleyi* Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).  
*?Ulmus sarniensis* (Moss) Bancroft in Jour. Bot. 75: 345 (1937).

**U. carpinifolia** var. **glandulosa** (Lindl.) Melville in Jour. Linn. Soc. Lond. Bot. 53: 90, 86, fig. 3–5 (1946).

- Ulmus glabra* Mill. β. *glandulosa* Lindley, Syn. Brit. Fl. 227 (1829).

**U. carpinifolia** var. **umbraculifera** (Trautv.) Rehder in Jour. Arnold Arb. 19: 270 (1938).

- Ulmus campestris* var. *umbraculifera* Trautvetter in Act. Hort. Petrop. 2: 590 (1873). — Späth in Monatsschr. Ver. Beförd. Gartenb. Preuss. 22: 19, fig. 1 (1879).  
*Ulmus glabra* var. a. *typica f. umbraculifera* (Dipp.) Schneider, Ill. Handb. Laubh. 1: 220 (1904).  
*Ulmus densa* Litvinov in Sched. Herb. Fl. Ross. 6: 163, no. 1991, t. 1, 2 (1908).  
*Ulmus campestris* a. *glabra a. vulgaris* lus. *umbraculifera*

(Späth) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 553 (1911).

*Ulmus nitens* var. *umbraculifera* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1893 (1913).

*Ulmus foliacea* var. *umbraculifera* Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).

**U. carpinifolia f. gracilis** (Späth) Rehder in Jour. Arnold Arb. 19: 272 (1938) "var. *umbraculifera f. g.*"

- Ulmus campestris umbraculifera gracilis* Späth, [Kat.] no. 100: 121 (1897).  
*Ulmus glabra a. typica f. gracilis* (Späth) Schneider, Ill. Handb. Laubh. 1: 220 (1904).  
*Ulmus campestris a. glabra a. vulgaris* lus. *gracilis* (Schneid.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 553 (1911).  
*Ulmus nitens* var. *umbraculifera gracilis* (Späth) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1893 (1913).  
*Ulmus foliacea* var. *gracilis* Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).

**U. carpinifolia f. Koopmanni** (Späth) Rehder in Jour. Arnold Arb. 19: 273 (1938) "var. *umbraculifera f. K.*"

- Ulmus Koopmanni* Lauche ex Späth, [Kat.] no. 62: 6, 101 (1885).  
*Ulmus campestris* var. *Koopmanni* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, 2: 135 (1896), nom.  
*Ulmus glabra a. typica f. koopmanni* (Späth) Schneider, Ill. Handb. Laubh. 1: 220 (1904).  
*Ulmus campestris b. nuda 2. Koopmanni* (Lauche) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 557 (1911).  
*Ulmus nitens* var. *Koopmanni* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 218 [1916].  
*Ulmus foliacea* var. *Koopmannii* Rehder in Bailey, Stand. Cycl. Hort. 6: 3412 (1917).

**U. carpinifolia** var. **Horsholmii** (Hort.) Melville in Jour. Linn. Soc. Lond. Bot. 53: 90, 88 (1946).

- Ulmus campestris* var. *Horsholmii* Hort. ex Melville, l. c. (1946), pro syn.

**U. carpinifolia** var. **suberosa** (Moench) Rehder in Jour. Arnold Arb. 19: 273 (1938). — Melville in Jour. Linn. Soc. Lond. Bot. 53: 90, fig. 6 (1946).

- Ulmus suberosa* Moench, Verz. Bäume Weissenst. 136 (1785). — Ehrhart, Beitr. Naturk. 6: 87 (1791), p. p.  
*Ulmus tetrandra* Schkuhr, Bot. Handb. 1: 178, t. 58b (1791).  
*Ulmus campestris* 6. *U. fungosa* Dumont de Courset, Bot. Cult. 3: 700 (1802).  
*Ulmus campestris* β. *suberosa* (Ehrh.) Wahlenberg, Fl. Carpat. 71 (1814). — Voss, Vilmor. Blumengärt. 1: 906 (1895) "f."  
*Ulmus glabra b. suberosa* (Moench) Gürke in Richter, Pl. Eur. 2: 72 (1897).  
*Ulmus vulgaris* β. *suberosa* (Koch) Rouy, Fl. France, 12: 266 (1910).  
*Ulmus nitens* var. *suberosa* (Moench) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1885 (1913).  
*Ulmus foliacea* var. *suberosa* (Moench) Schneider in Oester. Bot. Zeitschr. 66: 79 (1916).

**U. carpinifolia f. propendens** (Schneider) Rehder in Jour. Arnold Arb. 19: 274 (1938) "var. *suberosa f. p.*"

- Ulmus suberosa* var. *pendula* Lavallée, Arb. Segrez. 236 (1877), nom.  
*Ulmus campestris* var. *microphylla pendula* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, 2: 135 (1896), nom. — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1888 (1913), pro syn.

- Ulmus campestris suberosa pendula* Siesmeyer in Möller's Deutsch. Gärt.-Zeit. **16**: 163, fig. (1901), non *U. camp. pendula* David (1845), nec Kuntze (1867), nec Dippel (1892).
- Ulmus glabra* var. *suberosa* f. *propendens* Schneider, Ill. Handb. Laubh. **1**: 220 (1904).
- Ulmus campestris* B. *suberosa* a. *fruticosa* lus. *propendens* (Schneid.) Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 560 (1911).
- U. carpinifolia** var. *italica* (Henry) Rehder in Jour. Arnold Arb. **19**: 274 (1938).
- Ulmus nitens* var. *italica* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1892, t. 411, fig. 9 (1913).
- Ulmus foliacea* var. *italica* (Henry) Rehder in Bailey, Stand. Cycl. Hort. **6**: 3412 (1917).
- U. Plotii** Druce in Gard. Chron. ser. 3, **50**: 408, fig. 165, 166 (1911).—Melville in Jour. Bot. **78**: 181, fig. 1, 2 (1940).
- Ulmus surculosa* β. *argutifolia* Stokes, Bot. Mat. Med. **2**: 36 (1812).
- Ulmus sativa* var. *Lockii* Druce in Rep. Bot. Exch. Club Brit. Isl. **1907**: 258 (1908), nom. subnud.
- Ulmus minor* sensu Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1901, t. 411, fig. 3 (1913), non Miller (1768).
- Ulmus sativa* sensu Moss, Cambridge Brit. Fl. **2**: 93, t. 100, 101 (1914), non Miller (1768).
- U. pumila** Linnaeus, Sp. Pl. 226 (1753), exclud. syn. Plukenet.—Planchon in De Candolle, Prodr. **17**: 159 (1873).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1926, t. 411, fig. 1 (1913).—Schneider in Sargent, Pl. Wilson. **3**: 242 (1916).
- Ulmus humilis* [Gmelin, Fl. Sibir. **3**: 105 (1768).—] Lamarck, Encycl. Méth. Bot. **4**: 611 (1797), exclud. syn. Plukenet.
- Ulmus pumila* \* *microphylla* Persoon, Syn. Pl. **1**: 291 (1805).
- Ulmus campestris* var. **13.** *parvifolia* Loudon, Arb. Brit. **3**: 1377, fig. 1230 (1838).
- Ulmus campestris* β. *suberosa* b. *pumila* Ledebour, Fl. Ross. **3,2**: 652 (1850), p. p.
- Ulmus campestris* a. *vulgaris* lus. *pumila* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, **4**: 134 (Tent. Fl. Ussur.) (1861), p. p.
- Ulmus campestris* δ. *pumila* Maximowicz in Bull. Acad. Sci. St. Pétersb. **18**: 290 (in Mém. Biol. **9**: 23) (1873).
- Ulmus manshurica* Nakai, Fl. Sylv. Kor. **19**: 22, fig. t. 6, 7 (1932).
- Ulmus pumila* var. *genuina* Skvortzov in Lingnan Sci. Jour. **6**: 208 (1928); in Bull. Jard. Bot. Acad. Sci. U. R. S. S. **28**: 545 (1929).
- U. pumila** f. *pendula* (Kirchner), grad. nov.
- Ulmus campestris* 8. *parvifolia pendula* Kirchner in Petzold & Kirchner, Arb. Muscav. 555 (1864).
- ?*Ulmus parvifolia* var. *decidua* Lavallée, Arb. Segrez. 237 (1877), nom.
- Ulmus sibirica* Hort. ex Lavallée, l. c. (1877), pro syn.
- Planera repens* Hort. ex Dippel, Handb. Laubh. **2**: 27 (1892), pro syn.
- Ulmus repens* Hort. ex Dippel, l. c. (1892), pro syn.
- Ulmus parvifolia pendula* Hort. ex Dippel, l. c. (1892), pro syn.
- Ulmus pumila* var. *pendula* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**4**]: 1882 (1902).
- Ulmus pumila* (f.) *sibirica* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 82 (1903), nom. subnud.
- Ulmus parvifolia sibirica* et *U. chinensis sibirica* hort. ex Schelle, l. c. (1903), pro syn.
- U. pumila** var. *arborea* Litvinov in Sched. Herb. Fl. Ross. **6**: 166, t. 3 (1908).—Schneider in Sargent, Pl. Wilson. **3**: 262 (1916).
- Ulmus pinnato-ramosa* Dieck, Neuheit.-Off. Zöschchen, **1894/95**: 12 (1894).—Koehe in Repert. Sp. Nov. Reg. Veg. **8**: 74 (1910); in Mitt. Deutsch. Dendr. Ges. **1910** (19): 92 [1911].—Nakai, Fl. Sylv. Kor. **19**: 24 (1932).
- Ulmus campestris* γ. *pumila* sensu Regel in Act. Hort. Petrop. **6**: 478 (1879), non Ledebour (1850).
- Ulmus pumila* var. *pinnato-ramosa* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1926 (1913).
- U. pumila** f. *Androssowi* (Litvin.) Rehder in Jour. Arnold Arb. **20**: 88 (1939).
- Ulmus Androssowi* Litvinov in Sched. Herb. Fl. Ross. **8**: 23, 202, t. 2 (1922).
- Sect. iv. MICROPTOLEA (Spach) Benth. & Hooker, Gen. Pl. **3**: 352 (1883).—Schneider in Sargent, Pl. Wilson. **3**: 264 (1916).
- Microptelea* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 358 (1841); Hist. Nat. Végét. Phan. **11**: 113 (1842).
- Ulmus* subgen. *Microptelea* Planchon in Ann. Sci. Nat. Bot. sér. 3, **10**: 279 (1848), p. p.
- U. parvifolia** Jacquin, Pl. Rar. Hort. Schoenbr. **3**: 6, t. 262 (1798).—Daveau in Bull. Soc. Dendr. France, **1914**: 26, fig. 1e-e<sup>1</sup>, fig. A-A<sup>11</sup> (1914).—Schneider in Sargent, Pl. Wilson. **3**: 244 (1916).
- Ulmus chinensis* Persoon, Syn. Pl. **1**: 291 (1805).
- Planera parvifolia* Sweet, Hort. Brit. ed. 2, 464 (1830).
- ?*Ulmus japonica* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 28 (Syn. Pl. Oecon.) (1830), nom.
- Ulmus virgata* Roxburgh, Fl. Ind. ed. 2, **2**: 67 (1832).
- Ulmus campestris* var. *chinensis* Loudon, Arb. Brit. **3**: 1377, fig. 1231 (1838).
- Microptelea parvifolia* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 358 (1841); Hist. Nat. Végét. Phan. **11**: 113 (1842).
- Ulmus Sieboldii* Daveau in Bull. Soc. Dendr. France, **1914**: 26, fig. 1d-d<sup>1</sup>, fig. B-B<sup>11</sup> (1914).
- Ulmus Shirasawana* Daveau in op. cit. 27, fig. 1b-c<sup>1</sup> (1914).
- Ulmus Sieboldii* var. *coreana* Nakai, Veg. Chirisan Mts. 30 (1915), nom.
- Ulmus coreana* Nakai, Fl. Sylv. Kor. **19**: 31, t. 11 (1932).
- Ulmus Sieboldii* f. *Shirasawana* Nakai, op. cit. 32 (1932).
- U. parvifolia** f. *pendens* Rehder in Jour. Arnold Arb. **26**: 473 (1945).
- U. crassifolia** Nuttall in Trans. Am. Philos. Soc. n. ser. **5**: 169 (1837).—Sargent, Silva N. Am. **7**: 57, t. 315 (1895).
- Ulmus opaca* Nuttall, N. Am. Sylva, **1**: 35, t. 11 (1842).
- Sect. v. TRICHOPTELEA Schneider in Oester. Bot. Zeitschr. **66**: 27 (1916).
- U. serotina** Sargent in Bot. Gaz. **27**: 92 (1899); Silva N. Am. **12**: 41, t. 718 (1902).
- PLANERA** Gmelin, Syst. Nat. ed. 13, **2**: 150 (1791).—Benth. & Hooker, Gen. Pl. **3**: 352 (1883).—Sargent, Silva N. Am. **7**: 59 (1895).
- Typus: *Anonymus aquatica* Walt. = *P. aquatica* (Walt.) Gmel.

**Planera** (continued)

- P. aquatica** (Walt.) Gmelin, Syst. Nat. ed. 13, 2: 150 (1791).—Sargent, Silva N. Am. 7: 61, t. 316 (1895).  
*Anonymus aquatica* Walter, Fl. Carol. 230 (1788).  
*Planera ulmifolia* Michaux f., Hist. Arb. Am. Sept. 3: 283, t. 7 (1813).  
*Ulmus aquatica* Rafinesque, Fl. Ludovic. 165 (1817).  
*Planera Richardi* sensu Torrey & Gray, Rep. Bot. (in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 2: 175) (1855), non Michaux (1803).

**HEMIPTOLEA** Planchon in Compt. Rend. Acad. Sci. Paris, 74: 131, 1496 (1872); in De Candolle, Prodr. 17: 165 (1873).

TYPE: *Planera Davidii* Hance = *H. Davidii* (Hance) Planch.

- H. Davidii** (Hance) Planchon in op. cit. 131 (1872); l. c. (1873).—Schneider in Sargent, Pl. Wilson. 3: 288 (1916).—Nakai, Fl. Sylv. Kor. 19: 41, t. 14 (1932).  
*Planera (Abelicea) Davidii* Hance in Jour. Bot. 6: 333 (1868).  
*Abelicea Davidii* Bueck in De Candolle, Prodr. Gen. Index, 4: 1 (1874).  
*Hemiptelea Davideana* Pl. ex Priemer in Bot. Jahrb. 17: 455 (1893).  
*Zelkova Davidii* in Jour. Linn. Soc. Lond. Bot. 26: 449 (1894).  
*Zelkova Davidiana* Fr. ex Mottet in Rev. Hort. n. sér., 13: 29, fig. 6 (1913).—Bean, Trees Shrubs Brit. Isl. 2: 694 (1914).

**ZELKOVA** Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 356 (1841); Hist. Nat. Végét. Phan. 11: 117 (1842).—Planchon in De Candolle, Prodr. 17: 165 (1873).—Boissier, Fl. Or. 4: 1158 (1879) "*Zelkova*."—Dippel, Handb. Laubh. 2: 38 (1892) "*Zelkova*."—Nakai, Fl. Sylv. Kor. 19: 35 (1932).—NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. 77, no. 1901 (1906).

*Abelicea* Smith in Trans. Linn. Soc. Lond. 9: 126 (1808).—Halacsy, Consp. Fl. Graec. 3: 123 (1904).—Schneider, Ill. Handb. Laubh. 1: 224 (1904).

*Planera* a. *Abelicea* Endlicher, Gen. Pl. 276 (1836).—Planchon in Ann. Sci. Nat. Bot. sér. 2, 10: 261 (1848) "subgen."

TYPE: *Planera crenata* A. Michx. = *Z. carpinifolia* (Pall.) K. Koch.

- Z. carpinifolia** (Pall.) K. Koch in Linnaea, 22: 598 (1849); Dendr. 2,1: 425 (1872).  
*Quercus abelicea* Lamarck, Encycl. Méth. Bot. 1: 725 [1785], nom. subnud.  
*Rhamnus ulmoides* Gleditsch, Reis. Russl. 1: 313 (1787), nom.  
*Rhamnus carpinifolius* Pallas, Fl. Ross. 1,2: 24, t. 60 (1788).  
*Ulmus nemoralis* Aiton, Hort. Kew. 1: 320 (1789).—Willdenow, Berlin. Baumz. 395 (1796).  
*Ulmus polygama* Jussieu ex Poir. in Lamarck, Encycl. Méth. Bot. 4: 611 [1798].  
*Planera Richardi* Michaux, Fl. Bor.-Am. 2: 248 (1803).  
*Ulmus crenata* H. P. ex Desfontaines, Tabl. École Bot. Mus. Hist. Nat. 212 (1804), nom.  
*Ulmus* ? *Abelicea* Smith in Sibthorp, Fl. Graec. Prodr. 1: 172 (1806).  
*Planera carpinifolia* Watson, Dendr. Brit. 2: t. 106 (1825).  
*Planera crenata* Desfontaines, Cat. Hort. Paris, ed. 3, 476 (1829), nom.—A. Michaux, Mém. Zelkova, *Planera crenata*, 19, t. (1831).

*Zelkova crenata* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 356 (1841).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 915, fig. 248, 267, fig. 6 (1909).

*Planera carpinifolia* K. Koch, Dendr. 2,1: 425 (1872).  
*Abelicea ulmoides* Kuntze, Rev. Gen. Pl. 2: 621 (1892).  
*Zelkova carpinifolia* Dippel, Handb. Laubh. 2: 38 (1892).  
*Zelkova ulmoides* Schneider, Ill. Handb. Laubh. 1: 806 (1906).

**Z. serrata** (Thunb.) Makino in Bot. Mag. Tokyo, 17: 13 (1903).—Schneider in Sargent, Pl. Wilson. 3: 287 (1916).—Nakai, Fl. Sylv. Kor. 19: 36, t. 12 (1932).

*Corchorus hirtus* Thunberg, Fl. Jap. 228 (1784), non Linnaeus (1753).

*Corchorus serratus* Thunberg in Trans. Linn. Soc. Lond. 2: 335 (1794).

*Ulmus Keaki* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 28 (Syn. Pl. Oecon. Japan) (1830); in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. 1844: 38, t. 2, fig. e (1844).

*Planera acuminata* Lindley in Gard. Chron. 1862: 428 (1862).

*Planera Kaki* Kirchner in Petzold & Kirchner, Arb. Muscav. 567 (1864).

*Planera japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 66 (Prol. Fl. Jap. 254) (1867).

*Planera Keaki* K. Koch, Dendr. 2,1: 427 (1872).

*Zelkova acuminata* Planchon in Compt. Rend. Acad. Sci. Paris, 74: 1496 (1872).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 920, t. 267, fig. 7 (1909).

*Zelkova Keaki* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 288 (in Mém. Biol. 9: 21) (1873).

*Zelkova stipulacea* Franchet & Savatier, Enum. Pl. Jap. 1: 430 (1875), nom.; 2,1: 489 [1878?]

*Abelicea acuminata* Kuntze, Rev. Gen. Pl. 2: 621 (1891).

*Abelicea Keaki* Schneider, Dendr. Winterstud. 238, fig. 166e-g (1903).

*Abelicea hirta* Schneider, Ill. Handb. Laubh. 1: 226, fig. 143-4 (1904).

*Zelkova hirta* Schneider, op. cit. 806 (1906).

*Abelicea serrata* (Thunb.) Makino in Bot. Mag. Tokyo, 28: 175 (1914).

*Zelkova serrata* var. *stipulacea* (Fr. & Sav.) Makino in Jour. Jap. Bot. 5: 27 (1928).

**Z. sinica** Schneider in Sargent, Pl. Wilson. 3: 286 (1916).

*Planera japonica* sensu Hemsley in Jour. Bot. 14: 209 (1876), non Miquel (1867).

*Zelkova acuminata* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 449 (1894), p. p.—Diels in Bot. Jahrb. 36, Beibl. 82: 33 (1905).—Non Planchon (1872).

**Z. Schneideriana** Handel-Mazzetti, Symb. Sin. 7: 104 (1929).

**Z. Verschaffeltii** (Dippel) [Nicholson] in Kew Hand-list Trees Shrubs, 2: 145 (1895) "*Verschaffeltii*".—Schelle in Beissner, et al., Handb. Laubh.-Ben. 89 (1903).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 183 (1940).

*Ulmus campestris* var. *Verschaffeltii* Lavallée, Arb. Segrez. 236 (1877) nom., sphalmate "*Verschaffeltii*".

*Zelkova japonica* a. *Verschaffeltii* Dippel, Handb. Laubh. 2: 39 (1892).—Schneider, Ill. Handb. Laubh. 1: 225, fig. 141c (1904).

*Ulmus Verschaffeltii* hort. ex Dippel, l. c. (1892), pro syn.  
*Ulmus pendula laciniata* Pitteursii Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, 2: 145 (1896), pro syn.

- PTEROCELTIS** Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 293 (in Mém. Biol. 9: 27) (1873). — Bentham & Hooker f., Gen. Pl. 3: 354 (1880).  
 TYPUS: *P. Tatarinowii* Maxim.
- P. Tatarinowii** Maximowicz, l. c., fig. (1873). — Schneider, Ill. Handb. Laubh. 1: 227, fig. 146 (1904); in Sargent, Pl. Wilson. 3: 284 (1916).
- CELTIS** Linnaeus, Sp. Pl. 1043 (1753); Gen. Pl. ed. 5, 467, no. 1012 (1754). — Planchon in De Candolle, Prodr. 17: 168–194 (1873), exclud. spec. nonnull. — Bentham & Hooker f., Gen. Pl. 3: 354 (1880), exclud. spec. nonn. *Colletia* Scopoli, Introd. Hist. Nat. 207 (1777). *Solenostigma* Endlicher, Prodr. Fl. Norfolk, 41 (1833). *Sauvobroma* Rafinesque, Sylv. Tellur. 32 (1838).  
 LECTOTYPUS: *C. australis* L.
- C. laevigata** Willdenow, Berlin. Baumz. ed. 2, 81 (1811). — Sargent, Man. Trees N. Am. ed. 2, 323, fig. 295 (1922).  
 [“Micocoulier de la Louisiane” Bosc in Nouv. Cours Agric. 8: 329 (1809); éd. nouv. 10: 41 (1822).]  
*Celtis mississippiensis* Bosc in Bosc & Baudrillard, Dict. Cult. Arb. 577 (Encycl. Méth. Agric. VII) (1821). — Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 42 (1841). — Planchon in De Candolle, Prodr. 17: 176 (1873). — Sargent, Silva N. Am. 7: 71, t. 318 (1895).  
*Celtis alba* Rafinesque, Fl. Ludovic. 25 (1817); New Fl. N. Am. 3: 32 [1838].  
*Celtis occidentalis* var. *integrifolia* Nuttall, Gen. N. Am. Pl. 1: 202 (1818).  
*Celtis longifolia* Rafinesque, Fl. Tex. 22 (1833). — Nuttall, N. Am. Sylva, 1: 34, t. 40 (1842).  
*Celtis integrifolia* Nuttall in Trans. Am. Philos. Soc. n. ser. 5: 169 (1837); non Lamarck (1796).  
*Celtis fuscata* Rafinesque, New Fl. N. Am. 3: 33 [1838].  
*Celtis Berlandieri* Klotzsch in Linnaea, 22: 541 (1849).  
*Celtis Lindheimeri* Engelman ex K. Koch, Dendr. 2, 1: 434 (1872).
- C. laevigata** var. *texana* (Scheele) Sargent in Bot. Gaz. 67: 223 (1919); Man. Trees N. Am. ed. 2, 325, fig. 297 (1922).  
*Celtis texana* Scheele in Linnaea, 22: 146 (1849).
- C. laevigata** var. *Smallii* (Beadle) Sargent in Bot. Gaz. 67: 223 (1919).  
*Celtis Berlandieri* sensu Planchon in De Candolle, Prodr. 17: 178 (1873), p. p.; non Klotzsch (1849).  
*Celtis Smallii* Beadle in Small, Fl. Southeast. U. S. 365, 1329 (1903). — Britton, N. Am. Trees, 357, fig. (1908).
- C. reticulata** Torrey in Ann. Lyc. Nat. Hist. New York, 2: 247 (1828). — Sargent, Man. Trees N. Am. ed. 2, 323, fig. 294 (1922).  
*Celtis brevipes* S. Watson in Proc. Am. Acad. Arts Sci. 14: 297 (1879).  
*Celtis occidentalis* var. *reticulata* (Torr.) Sargent, Forest Trees N. Am. 10th Cens. U. S. 9: 126 (1884).  
*Celtis laevigata* var. *reticulata* Benson in Am. Jour. Bot. 30: 235 (1943).  
*Celtis mississippiensis* var. *reticulata* Sargent, Silva N. Am. 7: 72, t. 319 (1895).
- C. Douglasii** Planchon in Ann. Sci. Nat. Bot. sér. 3, 10: 293 (1848); in De Candolle, Prodr. 17: 178 (1873). — Sargent, Man. Trees N. Am. ed. 2, 321, fig. 292 (1922).  
*Celtis rugosa* Rydberg in Bull. Torrey Bot. Club, 39: 304 (1912), non Newberry (1883).  
*Celtis rugulosa* Rydberg, Fl. Rocky Mts. 207, 1061 (1917).
- C. pumila** (Muhlenb.) Pursh, Fl. Am. Sept. 1: 200 (1814). — Hill in Bull. Torrey Bot. Club, 27: 496, t. 33 (1900).  
*Celtis occidentalis*  $\beta$ . Lamarck, Encycl. Méth. Bot. 4: 137 (1796).  
*Celtis occidentalis* var. *pumila* Muhlenberg, Cat. Pl. Am. Sept. 95 (1813). — Gray, Man. Bot. N. U. S. ed. 2, 397 (1856). — Nieuwland in Am. Midland Nat. 3: 232 (1914).  
*Celtis occidentalis*  $\beta$ . ? *tenuifolia* Persoon, Syn. Pl. 1: 292 (1805).  
*Celtis tenuifolia* Nuttall, Gen. N. Am. Pl. 1: 202 (1818).  
*Celtis heterophylla* Rafinesque, New Fl. N. Am. 3: 37 [1838].
- C. pumila** var. *Deamii* Sargent in Bot. Gaz. 67: 228 (1919).
- C. pumila** var. *georgiana* (Small) Sargent in op. cit. 227 (1919); Man. Trees N. Am. ed. 2, 326, fig. 298 (1922).  
*Celtis georgiana* Small in Bull. Torrey Bot. Club, 24: 439 (1897).
- C. occidentalis** Linnaeus, Sp. Pl. 1044 (1753). — Planchon in De Candolle, Prodr. 17: 174 (1873). — Sargent, Silva N. Am. 7: 67, t. 317 (1895).  
*Celtis obliqua* Moench, Meth. Pl. 344 (1794).  
*Celtis procera* Salisbury, Prodr. Stirp. Chap. Allert. 175 (1796).  
*Celtis maritima* Rafinesque in Am. Monthly Mag. 2: 44 (1817); New Fl. N. Am. 3: 35 [1838].  
*Celtis grandidentata* Tenore in Ind. Sem. Hort. Neap. 1833: 15 (1833).  
*Celtis patula* Rafinesque, New Fl. N. Am. 3: 37 [1838].  
*Celtis Floridana* Rafinesque, l. c. [1838].  
*Celtis occidentalis* var. *grandidentata* Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 40 (1841).
- C. occidentalis** var. *canina* (Raf.) Sargent in Bot. Gaz. 67: 217 (1919); Man. Trees N. Am. ed. 2, 320, fig. 290 (1922).  
*Celtis canina* Rafinesque in Am. Monthly Mag. 2: 43 (1817). — Planchon in De Candolle, Prodr. 17: 174 (1873). — Britton, N. Am. Trees, 355 (1908).
- C. occidentalis** var. *cordata* [Pers.] Willdenow, Berlin. Baumz. ed. 2, 82 (1811) “ $\beta$ .”  
*Celtis crassifolia* Lamarck, Encycl. Méth. Bot. 4: 138 (1797).  
*Celtis cordata* Persoon, Syn. Pl. 1: 292 (1805).  
*Celtis morifolia* Rafinesque, New Fl. N. Am. 3: 34 [1838].  
*Celtis Audibertiana* Spach in Ann. Sci. Nat. Bot. sér. 2, 16: 41 (1841).  
*Celtis occidentalis* var. *crassifolia* (Lam.) Gray, Man. Fl. N. U. S. ed. 2, 397 (1856). — Sargent, Man. Trees N. Am. ed. 2, 320, fig. 291 (1922). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 185 (1940).  
*Celtis occidentalis* var. *Audibertiana* K. Koch, Dendr. 2, 1: 433 (1872).
- C. Bungeana** Blume, Mus. Bot. Lugd.-Bat. 2: 71 (1852). — Planchon in De Candolle, Prodr. 17: 171 (1873). — Schneider in Sargent, Pl. Wilson. 3: 269 (1916). — Nakai, Fl. Sylv. Kor. 19: 52, fig., t. 17 (1932).  
*Celtis chinensis* Pers. ex Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 135 (Enum. Pl. Chin. Bor. 61 1833) (1835), non *C. sinensis* Persoon (1805).  
*Celtis sinensis* Planchon in Ann. Sci. Nat. Bot. sér. 3, 10: 286 (1848), non Persoon (1805).  
*Celtis Davidiana* Carrière in Rev. Hort. 1868: 300 (1868). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 929, t. 267, fig. 11 (1909).  
*Celtis Mairei* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 264 (1914).

*Celtis* (continued)

- C. Tournefortii** Lamarck, Encycl. Méth. Bot. 4: 138 (1797). — Planchon in De Candolle, Prodr. 17: 171 (1873). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 571 (1911).  
*Celtis Orientalis* Miller, Gard. Dict. ed. 8, C. no. 3 (1768), non Linnaeus (1753).  
*Celtis Tournefortii*  $\beta$ . *aspera* Ledebour, Fl. Ross. 3: 633 (1850).  
*Celtis aspera* Steven in Bull. Soc. Nat. Moscou, 30, 1: 390 (Verz. Taur.) (1857), non Brongniart (1829).
- C. glabrata** Steven ex Planchon in Ann. Sci. Nat. Bot. sér. 3, 10: 285 (1848); in De Candolle, Prodr. 17: 170 (1873). — Steven in Bull. Soc. Nat. Moscou, 30, 1: 391 (Verz. Taur. Pfl.) (1857).  
*Celtis Tournefortii*  $\alpha$ . *laevis* Ledebour, Fl. Ross. 3: 633 [1850].  
*Celtis Kotschyana* Steven in op. cit. 392 (1857).  
*Celtis Tournefortii*  $\beta$ . *glabrata* Boissier, Fl. Or. 4: 1157 (1879).
- C. Biondii** Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 252, fig. 3 (1910). — Schneider in Sargent, Pl. Wilson. 3: 272 (1916).  
*Celtis Leveillei* var. *holophylla* Nakai in Jour. Arnold Arb. 5: 74 (1924).
- C. Biondii** var. *heterophylla* (Léveillé) Schneider in Sargent, Pl. Wilson. 3: 282 (1916).  
*Celtis Bungeana* var. *heterophylla* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 476 (1912).  
*Celtis Leveillei* Nakai in Bot. Mag. Tokyo, 28: (264, 265), fig. 2bb, gg, (1914); in Jour. Arnold Arb. 5: 73 (1924); Fl. Sylv. Kor. 19: 62, t. 23 (1932).  
*Celtis Leveillei* var. *heterophylla* Nakai in Jour. Arnold Arb. 5: 74 (1924).  
*Celtis Leveillei* var. *cuspidatophylla* Metcalf in Sunyatsenia, 3: 114, t. 10 (1936).
- C. sinensis** Persoon, Syn. Pl. 1: 292 (1805). — Blume, Mus. Bot. Lugd.-Bat. 2: 70 (1852). — Schneider, Ill. Handb. Laubh. 1: 229, fig. 147r-r<sup>2</sup>, 148r (1904); in Sargent, Pl. Wilson. 3: 277 (1916).  
*Celtis orientalis* sensu Thunberg, Fl. Jap. 114 (1784), non Linnaeus (1753).  
*Celtis Willdenowiana* Schultes in Roemer & Schultes, Syst. Veg. 6: 306 (1820).  
*Celtis japonica* Planchon in De Candolle, Prodr. 17: 172 (1873).  
*Celtis sinensis* var. *japonica* Nakai in Bot. Mag. Tokyo, 28: (264), fig. 1eee, fig. 2ee<sup>1</sup> (1914); Fl. Sylv. Kor. 19: 64, t. 24 (1932).
- C. jessoensis** Koidzumi in Bot. Mag. Tokyo, 27: 183 (1913). — Schneider in Sargent, Pl. Wilson. 3: 281 (1916). — Nakai, Fl. Sylv. Kor. 19: 56, t. 18 (1932).  
*Celtis aphananthoides* Koidzumi in Bot. Mag. Tokyo, 27: (563) (1913). — Nakai in Bot. Mag. Tokyo, 28: 266, fig. 1a (1914).  
*Celtis Bungeana* var. *jessoensis* Kudo, Nippon Yûyô Jum. Bunr. 166, fig. 34 (1922).
- C. cerasifera** Schneider in Sargent, Pl. Wilson. 3: 271 (1916).
- C. labilis** Schneider in op. cit. 267 (1916). — Chow, Fam. Trees Hopei, 156, fig. 56 (1934).
- C. australis** Linnaeus, Sp. Pl. 1043 (1753). — Planchon in De Candolle, Prodr. 17: 169 (1873). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 572 (1911).
- Celtis excelsa* Salisbury, Prodr. Stirp. Chap. Allert. 175 (1796).  
*Celtis lutea* Persoon, Syn. Pl. 1: 292 (1805).
- C. caucasica** Willdenow, Sp. Pl. 4, 2: 994 [1806]. — Planchon in De Candolle, Prodr. 17: 170 (1873). — Schneider, Ill. Handb. Laubh. 1: 231, fig. 147e-e<sup>2</sup>, 148t (1904).
- C. Julianae** Schneider in Sargent, Pl. Wilson. 3: 265 (1916).
- C. koraiensis** Nakai in Bot. Mag. Tokyo, 23: 191 (1909); Fl. Sylv. Kor. 19: 60, t. 21 (1932).
- APHANANTHE** Planchon in Ann. Sci. Nat. Bot. sér. 2, 10: 265 (1848); in De Candolle, Prodr. 17: 207 (1873). — Nakai, Fl. Sylv. Kor. 19: 44 (1932).  
*Homoioceltis* Blume, Mus. Bot. Lugd.-Bat. 2: 64 (1852).  
*Aphananthe* sect. 2. *Homoioceltis* Nakai, l. c. (1932).  
LECTOTYPUS: *Prunus aspera* Thunb. = *A. aspera* (Thunb.) Planch.
- A. aspera** (Thunb.) Planchon in De Candolle, Prodr. 17: 207 (1873). — Schneider in Sargent, Pl. Wilson. 3: 290 (1916). — Nakai, Fl. Sylv. Kor. 19: 45, t. 15 (1932).  
*Prunus aspera* Thunberg in Nov. Act. Reg. Soc. Sci. Upsal. 4: 32, 38 (1783); Fl. Jap. 201 (1784).  
*Cerasus aspera* Loiseleur-Deslongchamps in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 33 (1812).  
*Celtis muku* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 28 (Syn. Pl. Oec. Jap.) (1830), nom. — Siebold & Zuccarini in Abh. Math.-phys. Cl. Akad. Wiss. Münch. 4, 3: 223 (Fl. Jap. Fam. Nat. 2: 99) (1846).  
*Sponia nudiflora* Siebold & Zuccarini, l. c. (1846).  
*Microcerasus* ? *aspera* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 96 (1847).  
*Homoioceltis aspera* Blume, Mus. Bot. Lugd.-Bat. 2: 64 (1852).  
*Homoioceltis japonica* hort. Berckmans ex Rehder in Mitt. Deutsch. Dendr. Ges. 1903(12): 119 (1903), pro syn.; Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 1: 308 (1914) "*Homoceltis*"; pro syn.

## Fam. MORACEAE

- MORACEAE Lindley, Veg. Kingd. 266 (1846). — Bureau in De Candolle, Prodr. 17: 211 (1873). — Engler in Nat. Pflanzenfam. III. 1: 66 (1889). — Nakai, Fl. Sylv. Kor. 19: 90 (1933), cum syn. multis. — NOM. CONSERV. PROPOS. cf. Rehder in Jour. Arnold Arb. 26: 277 (1945).
- Urticeae* ord. II. *Artocarpeae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 318 (1805).
- Moreae* Endlicher, Prodr. Fl. Norfolk, 40 (1833), nom.; Gen. Pl. 277 (1836).
- Artocarpaceae* Horaninov, Prim. Lin. Syst. Nat. 62 (1834). — Lindley, Veg. Kingd. 269 (1846). — Bureau in De Candolle, Prodr. 17: 280 (1873).
- Urticaceae* 1. *Artocarpeae* Reichenbach, Handb. Nat. Pflanzensyst. 172 (1837), nom. subnud.
- Urticaceae* subord. *Moreae* Gray, Bot. Text-book, 356 (1842).
- Urticeae* subfam. *Ficeae* Presl, Wseob. Rostlin. 2: 1365 (1846).
- Cannabinaceae* Lindley, Veg. Kingd. 265 (1846).
- Moraceae* subfam. *Moroideae* et subfam. *Artocarpoideae* A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 57 (1864).

- MORUS** Linnaeus, Sp. Pl. 986 (1753); Gen. Pl. ed. 5, 424, no. 936 (1754).—Bureau in De Candolle, Prodr. 17: 237 (1873).—Bentham & Hooker f., Gen. Pl. 3: 364 (1880).—Koidzumi in Bull. Seric. Exp. Sta. Jap. 9: 27–62, 11 t., 2 maps [Rev. Gen. Morus] (1917).—Nakai, Fl. Sylv. Kor. 19: 93 (1932).  
*Morophorus* Necker, Elem. Bot. 3: 225 (1790).  
LECTOTYPUS: *M. alba* L.
- M. alba** Linnaeus, Sp. Pl. 986 (1753).—Seringe, Descr. Cult. Mûriers, 191, t. 1–18 (1855).—Bureau in De Candolle, Prodr. 17: 238 (1873).—Schneider in Sargent, Pl. Wilson. 3: 294 (1916).—Nakai in Jour. Arnold Arb. 8: 234 (1927).  
*Morus alba* β. *integrifolia* K. Koch in Linnaea, 22: 603 (1849), nom.  
*Morus alba* α. *vulgaris* Bureau in De Candolle, Prodr. 17: 238 (1873).
- M. alba** f. *macrophylla* (Loud.) Schneider, Ill. Handb. Laubh. 1: 238 (1904).  
*Morus macrophylla* Moretti, Del. Sem. Hort. Ticin.? (1829).  
*Morus alba* var. *Morettiana* Hort. ex Loddiges ex Loudon, Arb. Brit. 3: 1349 (1838).  
*Morus alba* var. *macrophylla* Loddiges ex Loudon, Arb. Brit. 3: 1349 (1838).—Bureau in De Candolle, Prodr. 17: 239 (1873) “α. *vulgaris* subvar. *m.*”  
*Morus hispanica* Hort. ex Loudon, l. c. (1838), pro syn.  
*Morus alba* var. *Moretti* Seringe, Descr. Cult. Mûriers, 203 (1855).  
*Morus Morettiana* Jacq. ex Bureau in op. cit. (1873), pro syn.
- M. alba** f. *skeletoniana* (Schneid.), grad. nov.  
*Morus alba laciniata* Beissner in Mitt. Deutsch. Dendr. Ges. 1903(12): 127 (1903), non K. Koch (1849).  
*Morus alba* var. *skeletoniana* Schneider, Ill. Handb. Laubh. 1: 237, fig. 151b (1904).
- M. alba** f. *venosa* (Delile) Schelle in Beissner et al., Handb. Laubh.-Ben. 91 (1903) “(f.)”.  
*Morus alba* var. *venosa* Delile in Bull. Soc. Centr. Agric. Dép. Hérault, 13: 328 (1826).—Camuzet in Ann. Soc. Hort. Paris, 13: 199 (1833).—Schneider, Ill. Handb. Laubh. 1: 238, fig. 151c (1904).  
*Morus alba* var. *nervosa* Loddiges Cat. 1836 ex Loudon, Arb. Brit. 3: 1349 (1838).  
*Morus nervosa* Bon Jard. 1836 ex Loudon, l. c. (1838), pro syn.  
*Morus subalba nervosa* Hort. ex Loudon, l. c. (1838), pro syn.  
*Morus alba* var. *fibrosa* Seringe, Descr. Cult. Mûriers, 212, t. 16 (1855).  
*Morus alba* 14. *urticaefolia* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 545 (1864).
- M. alba** f. *pyramidalis* (Seringe), grad. nov.  
*Morus alba pyramidalis* Seringe, l. c. (1855).—Bureau in De Candolle, Prodr. 17: 240 (1873) “γ.”  
*Morus alba* f. *fastigiata* Schelle in Beissner et al., Handb. Laubh.-Ben. 90 (1903).  
*Morus fastigiata* hort. ex Schelle, l. c. (1903), pro syn.
- M. alba** f. *pendula* Dippel, Handb. Laubh. 2: 10 (1892) “subsp. *vulgaris* f. *p.*”  
*Morus alba* var. *pendula* Schneider, Ill. Handb. Laubh. 1: 238 (1904).
- M. alba** f. *nigrobacca* Moldenke in Castanea, 9: 51 (1944).  
*Morus alba* (f.) *fructu nigro* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 91 (1903), nom.  
*Morus alba nigra* hort. ex Schelle, l. c. (1903), pro syn.
- M. alba** f. *tatarica* [Pallas] Seringe, Descr. Cult. Mûriers, 202, t. 12 (1855).—Bureau in De Candolle, Prodr. 17: 240 (1873) “α. *vulgaris* subvar. *t.*” —Schneider, Ill. Handb. Laubh. 1: 238, fig. 152f–h (1904).  
*Morus tatarica* Pallas, Fl. Ross. 1, 2: 9, t. 2 (1784).—Loudon, Arb. Brit. 3: 1358, fig. 1225 (1838).—Non Linnaeus (1753).  
*Morus alba* β. *M. (tatarica)* Bieberstein, Fl. Taur.-Cauc. 2: 398 (1808).  
? *Morus alba* α. *laciniata* K. Koch in Linnaea, 22: 602 (1849), nom.—Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 543 (1864) “(f.)”
- M. alba** var. *multicaulis* (Perrottet) Loudon, Arb. Brit. 3: 1348 (1838).—Schneider, Ill. Handb. Laubh. 1: 238 (1904).  
? *Morus latifolia* Poir. Encycl. Méth. Bot. 4: 381 (1796).—Nakai in Jour. Arnold Arb. 8: 237 (1927); Fl. Sylv. Kor. 19: 95 (1932).  
*Morus multicaulis* Perrottet in Mém. Soc. Linn. Paris, 2: 129 (1824); Ann. Inst. Hort. Fromont, 1: 336, t. 3 (1829).—Bailey, Stand. Cycl. Hort. 4: 2071 (1916).—Koidzumi in Bull. Seric. Exp. Sta. Jap. 9: 50, t. 8 [Rev. Gen. Morus] (1917).  
*Morus Tookwa* Siebold ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 198 (Prol. Fl. Jap. 130) (1866), pro syn.  
*Morus cucullata* Bonafous in Mém. Soc. Agric. France, 39: 266 (Mém. Cult. Mûrier, 8) (1831); Gelso Filipp. 7 (1833).  
*Morus alba* var. *sinensis* Bosc ex Loudon, Arb. Brit. 3: 1350 (1838).  
*Morus chinensis* Loddiges Cat. 1836 ex Loudon, l. c. (1838), pro syn.  
*Morus alba* o. *latifolia* Bureau in De Candolle, Prodr. 17: 244 (1873), p. p.
- M. australis** Poir. Encycl. Méth. Bot. 4: 380 (1796).—Nakai in Jour. Arnold Arb. 8: 236 (1927).—Rehder in Jour. Arnold Arb. 10: 123 (1929).—Hotta in Act. Phytotax. Geobot. 6: 143 (1937).  
*Morus acidosa* Griffith, Not. Pl. As. 4: 388 (1854) “*acidus*”, —Schneider in Sargent, Pl. Wilson. 3: 298 (1916).—Koidzumi in Bull. Seric. Exp. Sta. Jap. 9: 34, t. 4 (1917).  
*Morus cuspidata* Wallich, Num. List, no. 4646 [1830], nom.  
*Morus japonica* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 27 (Syn. Pl. Oecon.) (1830), nom.—Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 3: 219 (Fl. Jap. Fam. Nat. 2: 95) (1846), nom.—Audibert ex Bailey, Standard Cycl. Hort. 4: 2070 (1916).  
*Morus indica* sensu Roxburgh, Fl. Ind. ed. 2, 3: 596 (1832), non Linnaeus (1753), sensu stricto.  
*Morus stylosa* Seringe, Descr. Cult. Mûriers, 225 (1855).  
*Morus longistyla* Seringe, op. cit. Atl. p. 13, t. 22 (1855), sphalm. pro *stylosa*, “Mûrier long style” in tab.  
*Morus alba* κ. *Indica* Bureau in De Candolle, Prodr. 17: 243 (1873), p. p.  
*Morus alba* λ. *cuspidata* Bureau, l. c. (1873).  
*Morus alba* μ. *stylosa* Bureau, l. c. (1873).  
*Morus Cavaleriei* Lév. in Repert. Sp. Nov. Reg. Veg. 10: 146 (1911).  
*Morus longistylus* Diels in Notes Bot. Gard. Edinb. 5: 293 (1912).  
*Morus inusitata* Lév. in op. cit. 13: 265 (1914).  
*Morus bombycis* Koidzumi in Bot. Mag. Tokyo, 29: 313 (1915); in Bull. Seric. Exp. Sta. Jap. 9: 33, t. 2 (1917).—Nakai, Fl. Sylv. Kor. 19: 98, t. 29a, 30 (1932).



*Morus* (continued)

**M. mongolica** (Bureau) Schneider in Sargent, Pl. Wilson. **3**: 296 (1916).—Koidzumi in Bull. Seric. Exp. Sta. **9**: 29, t. 1, fig. b-f (1917).—Nakai, Fl. Sylv. Kor. **19**: 103, t. 33, fig. A (1932).

*Morus alba* var. *mongolica* Bureau in De Candolle, Prodr. **17**: 241 (1873).

**M. mongolica** var. *diabolica* Koidzumi in Bot. Mag. Tokyo, **31**: 36 (1917); in Bull. Seric. Exp. Sta. Jap. **9**: 30, t. 1, fig. a (1917).—Nakai, Fl. Sylv. Kor. **19**: 103, t. 33, fig. b (1932).

**M. nigra** Linnaeus, Sp. Pl. 986 (1753).—Bureau in De Candolle, Prodr. **17**: 238 (1873).—Ascherson & Graebner, Syn. Mitteleur. Fl. **5**: 577 (1911).

*Morus laciniata* Miller, Gard. Dict. ed. 8, m. no. 2 (1768).

*Morus scabra* Moretti, Bibl. Agr. ed. 1 [v. **12** (1829?)] ex Moretti in Giorn. Istit. Lombard. Sci. Lett. Arti, **1**: 98 (Prodr. Monog. *Morus*, 19) (1841) "*M. nigra* var. b."; non Willdenow (1809).

**M. cathayana** Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 456 (1894).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **6**: 1606 (1912).—Schneider in Sargent, Pl. Wilson. **3**: 292 (1916).—Chow, Famil. Trees Hopei, **167**, fig. 62 (1934).

**M. rubra** Linnaeus, Sp. Pl. 986 (1753).—Sargent, Silva N. Am. **7**: 79, t. 320 (1895).—Koidzumi in Bull. Seric. Exp. Sta. Jap. **9**: 45 (1917).

*Morus Virginica rubra* W. Young, Arb. Arbust. Am. **15** (1783), nom.

*Morus canadensis* Poiret, Encycl. Méth. Bot. **4**: 380 (1797).

*Morus virginiana* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. **3**: M. no. 2, t. 69, fasc. 12 [1808].

*Morus scabra* Willdenow, Enum. Hort. Berol. 867 (1809).—Nuttall, Gen. N. Am. Pl. **2**: 209 (1818).

*Morus tomentosa* Rafinesque, Fl. Ludovic. **113** (1817).

*Morus riparia* Rafinesque, New Fl. N. Am. **3**: 46 [1838].

*Morus reticulata* Rafinesque, Am. Man. Mulberry Trees, **28** (1839).

*Morus rubra* β. *tomentosa* Bureau in De Candolle, Prodr. **17**: 246 (1873).—Schneider, Ill. Handb. Laubh. **1**: 236 (1905) "f."

**M. microphylla** Buckley in Proc. Acad. Nat. Sci. Philad. **1862**: 8 (1862).—Sargent, Man. Trees N. Am. ed. 2, **331**, fig. 301 (1922).—I. M. Johnston in Jour. Arnold Arb. **25**: 452 (1944).

*Morus mexicana* Benth. Pl. Hartweg. **71** (1839).

*Morus celtidifolia* sensu Sargent, Silva N. Am. **7**: 83, t. 321 (1895), non Humboldt, Bonpland, Kunth (1817).

*Morus microphylla* Greene, Leaf. Bot. Obs. **2**: 120 (1910).

**MACLURA** Nuttall, Gen. N. Am. Pl. **2**: 233 (1818).—Bureau in De Candolle, Prodr. **17**: 226 (1873).—Bentham & Hooker f., Gen. Pl. **3**: 363 (1880).—NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. **77**, no. 1918 (1906).

*Toxylon* Rafinesque in Am. Monthly Mag. **2**: 118 (1817); **4**: 195 (1819), nom.

*Toxylon* Rafinesque in op. cit. **4**: 188 (1819), nom.; New Fl. N. Am. **3**: 42 [1838]; op. cit. **42** in textu [1838], sphalm. "*Toxylus*".

TYPE: *M. aurantiaca* Nutt. = *M. pomifera* (Raf.) Schneid.

**M. pomifera** (Raf.) Schneider, Ill. Handb. Laubh. **1**: 806 (1906).—Sargent, Man. Trees N. Am. ed. 2, **332**, fig. 302 (1922).

*Toxylon pomiferum* Rafinesque in Am. Monthly Mag. **2**: 118 (1817).—Schneider, Ill. Handb. Laubh. **1**: 239, fig. 153, 154 (1904).

*Maclura aurantiaca* Nuttall, Gen. N. Am. Pl. **2**: 233 (1818).—Bureau in De Candolle, Prodr. **17**: 227 (1873).

*Broussonetia tinctoria* sensu Sprengel, Syst. Veg. **3**: 901 (1826), p. p.—Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 246 (1828).—Non Humboldt, Bonpland, Kunth (1817).

*Toxylon aurantiacum* Rafinesque, Med. Fl. **2**: 268 (1830).

*Toxylon pomiferum* Raf. 1817 ex Rafinesque, New Fl. N. Am. **3**: 43 [1838], pro syn.—Sargent, Silva N. Am. **7**: 89, t. 322 (1895).

*Toxylon Maclura* Rafinesque, New Fl. N. Am. **3**: 43 [1838].

**M. pomifera** f. *inermis* (André) Schelle in Beissner et al., Handb. Laubh.-Ben. **92** (1903) "(f.)".

*Maclura aurantiaca inermis* André in Rev. Hort. **1896**: 33, 205, fig. 10, 73, 74 (1896).

*Maclura pomifera* var. *inermis* Schneider, Ill. Handb. Laubh. **2**: 905 (1912).

**BROUSSONETIA** L'Héritier ex Ventenat, Tabl. Règne Vég. **3**: 547 (1799).—Bentham & Hooker f., Gen. Pl. **3**: 361 (1880).—Non Ortega (1798).—NOM. CONSERV. cf. Intern. Rul. Bot. Nomencl. ed. 3, **133**, no. 1923 (1935); Kew Bull. **1940**: 99 (1940).

*Papyrius* Lamarck, Encycl. Méth. Bot. Rec. Pl. **4**: t. 762 (1798), sine descr.—Ventenat, Tabl. Règne Vég. **3**: 547 (1799) "*Papyria* Lam."; pro syn.

*Stenochasma* Miquel, Pl. Junghuhn. **1**: 45 (1851).

TYPE: *B. papyrifera* L'Hérit. ex Vent.

**B. papyrifera** (L.) L'Héritier ex Ventenat, Tabl. Règne Vég. **3**: 547 (1799).—Schneider in Sargent, Pl. Wilson. **3**: 303 (1916).—Nakai, Fl. Sylv. Kor. **19**: 106, t. 34 (1932).

*Morus papyrifera* Linnaeus, Sp. Pl. 986 (1753).

*Streblus cordatus* Loureiro, Fl. Cochinch. **615** (1790).

*Papyrius japonicus* Lamarck ex Poiret, Encycl. Méth. Bot. **5**: 3 (1804).

*Broussonetia papyrifera normalis* Seringe, Descr. Cult. Mûriers, **236**; Atl. **14**, t. 26 (1855).

*Broussonetia papyrifera* β. var. *japonica* Blume, Mus. Bot. Lugd.-Bat. **2**: 86 [1856].

*Broussonetia Kazi* hort. Sieb. ex Blume, l. c. [1856], pro syn.

**B. papyrifera** f. *laciniata* (Ser.) Schelle in Beissner et al., Handb. Laubh.-Ben. **92** (1903) "(f.)"

*Broussonetia papyrifera laciniata* Seringe, Descr. Cult. Mûriers, **237** (1855).—Bureau in De Candolle, Prodr. **17**: 225 (1873).—Schneider, Ill. Handb. Laubh. **1**: 241, fig. 151g (1904) "var.".—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 583 (1911) "monstr."

*Broussonetia dissecta nova* Carrière in Rev. Hort. **1866**: 420 (1866).

*Broussonetia Billardi* Carrière in Rev. Hort. **1878**: 374, fig. 82, 83 (1878).

*Broussonetia papyrifera dissecta* Bertin ex Carrière, l. c. (1878), pro syn.

*Broussonetia dissecta* Sénéclauze ex Carrière in op. cit. **375** (1878), pro syn.

*Broussonetia papyrifera* var. *Billardi* Hemsley in Gard. **15**: 53, 2 fig. (1879).

**B. papyrifera** f. *leucocarpa* (Ser.), grad. nov.

*Broussonetia* "à fruit blanc" d'Ombres in Jour. des propriétaires ruraux du midi de la France, févr. 1835 ex Anon. in Ann. Soc. Hort. Paris, **16**: 414 (1835).

*Broussonetia papyrifera leucocarpa* Audibert ex Seringe, Descr. Cult. Mûriers, 236 (1855).

**B. papyrifera** f. *variegata* (Seringe) Schelle in Beissner et al., Handb. Laubh.-Ben. 92 (1903) "(f.)".

*Broussonetia papyrifera variegata* Seringe, Descr. Cult. Mûriers, 237 (1855).

*Broussonetia papyrifera argentea variegata* Th. Moore in Proc. Hort. Soc. Lond. **3**: 363 (1863).

*Broussonetia papyrifera* (f.) *argenteo-variegata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 92 (1903), nom.

**B. Kazinoki** Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 28 (Syn. Pl. Oecon. Jap.) (1830), nom. subnud.—Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4,3**: 221 (Fl. Jap. Fam. Nat. **2**: 97) (1846).—Schneider in Sargent, Pl. Wilson. **3**: 305 (1916).—Nakai, Fl. Sylv. Kor. **19**: 111, t. 35, 36 (1932).

*Broussonetia Kaempferi* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 28 (Syn. Pl. Oecon. Jap.) (1830), nom.; in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. **1844**: 27 (1844), nom.—Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4,3**: 221 (Fl. Jap. Fam. Nat. **2**: 97) (1846).—Schneider in Sargent, Pl. Wilson. **3**: 304 (1916).

*Broussonetia Sieboldii* Blume, Mus. Bot. Lugd.-Bat. **2**: 86 (1852).

*Morus Kaempferi* Seringe, Descr. Cult. Mûriers, 228; Atl. **11**, t. 23 (1855).

*Broussonetia monoica* Hance in Jour. Bot. **20**: 294 (1882).

**CUDRANIA** Trécul in Ann. Sci. Nat. Bot. sér. 3, **8**: 39, 122 (1847).—Bentham & Hooker, f., Gen. Pl. **3**: 374 (1880).—Nakai, Fl. Sylv. Kor. **19**: 114 (1932).—NOM. CONSERV. cf. Kew Bull. **1940**: 99, no. 1942 (1940).

*Vanieria Loureiro*, Fl. Cochinch. 564 (1790).

*Vaniera* Mirbel, Hist. Nat. Pl. **10**: 108 [1805].

*Cudranus* Miquel, Fl. Ind. Bat. **1,2**: 290 (1859).

LECTOTYPUS: *C. javanensis* Tréc.

**C. tricuspidata** (Carr.) Bureau ex Lavallée, Arb. Segrez. 243 (1877).—Dippel, Handb. Laubh. **2**: 19 (1892).—Schneider in Sargent, Pl. Wilson. **3**: 306 (1916).—Nakai, Fl. Sylv. Kor. **19**: 114, t. 37 (1932).

*Maclura tricuspidata* Carrière in Rev. Hort. **1864**: 390, fig. 37 (1864).

*Cudranus trilobus* Hance in Jour. Bot. **6**: 49 (1868).

*Cudrania triloba* (Hance) Forbes in Jour. Bot. **21**: 145 (1883).

*Morus integrifolia* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **17**: 111 (1907).

*Vanieria tricuspidata* Hu in Jour. Arnold Arb. **5**: 228 (1924).

**MACLUDRANIA** (*Cudrania* × *Maclura*) André in Rev. Hort. n. sér. **5**: 362 (1905).**M. hybrida** (*C. tricuspidata* × *M. pomifera*) André, l. c., fig. 138 (1905).**FICUS** Linnaeus, Sp. Pl. 1059 (1753); Gen. Pl. ed. 5, 482, no. 1032 (1754).—Bentham & Hooker f., Gen. Pl. **3**: 367 (1880).

LECTOTYPUS: *F. Carica* L.

**F. Carica** Linnaeus, Sp. Pl. 1059 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **4**: 588 (1911).

*Ficus communis* Lamarck, Encycl. Méth. Bot. **2**: 490 [1788].

*Ficus sativa* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., **6**: F. no. 1; t. 4, fasc. 1 [1807], nom. altern.

*Ficus burdigalensis* et *F. violacea* Poiteau & Turpin in op. cit. **6**: F. no. 2; p. 329, et no. 3, t. 329, fasc. 55? [1829].

Fam. **URTICACEAE**

URTICACEAE Dumortier, Anal. Fam. Pl. 17 (1829).—Endlicher, Prodr. Fl. Norfolk. 37 (1833).—Weddell in De Candolle, Prodr. **16,1**: 32 (1869).—Bentham & Hooker f., Gen. Pl. **3**: 341 (1880), p. p. typ.

*Urticeae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 317 (1805).—Mirbel, Élé. Phys. Vég. Bot. 904 (1815).

*Urticaceae* 2. *Urticeae* Reichenbach, Consp. Reg. Veg. 83 (1828), nom. subnud.—Gray, Bot. Text-book, 356 (1842) "subord."

**BOEHMERIA** Jacquin, Enum. Syst. Pl. Carib. 9, 31 (1760).—Weddell in Arch. Mus. Hist. Nat. Paris, **9**: 343 (1856).—Bentham & Hooker f., Gen. Pl. **3**: 387 (1880).

*Caturus* Linnaeus, Mant. Pl. 19 (1767), p. p.

*Ramium* Rumphius ex Kuntze, Rev. Gen. Pl. **2**: 631 (1891).

LECTOTYPUS: [*Caturus ramiflorus* L.] = *B. ramiflora* [L.] Jacq.

**B. nivea** (L.) Gaudichaud, Voy. Monde 1817–20 Freycinet; Bot. 499 (1826).—Schneider in Sargent, Pl. Wilson. **3**: 312 (1916).—Satake in Nakai, Fl. Sylv. Kor. **21**: 134 (1936).

*Urtica nivea* Linnaeus, Sp. Pl. 1398 (1753).

*Ramium niveum* (L.) Kuntze, Rev. Gen. Pl. **2**: 632 (1891).

**DEBREGEASIA** Gaudichaud, Voy. Bonite Bot. Atl. t. 90 (1848); Suppl. Expl. Pl. 158 (1866).—Weddell in De Candolle, Prodr. **16,1**: 235<sup>23</sup> (1869).—Bentham & Hooker f., Gen. Pl. **3**: 390 (1880).

*Morocarpus* Blume, Mus. Bot. Lugd.-Bat. **2**: 155 (1855).—Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4,3**: 218 (Fl. Jap. Fam. Nat. **2**: 94) (1846).

*Leucocnide* Miquel, Pl. Junghuhn. **1**: 36 (1851), p. p.

TYPIUS: *Debregeasia velutina* Gaudich. = *D. longifolia* (Burm.) Wedd.

**D. longifolia** (Burm.) Weddell in De Candolle, Prodr. **16,1**: 235<sup>24</sup> (1869).—Schneider in Sargent, Pl. Wilson. **3**: 313 (1916).

*Urtica longifolia* Burman f., Fl. Ind. 197 (err. 297) (1768). *Urtica muricata* Heyne ex Wallich, Num. List. no. 4612<sup>a,c,d</sup>, [1832], nom.

*Urtica angustata* Blume, Bijdr. Fl. Nederl. Ind. 499 (1825). *Debregeasia velutina* Gaudichaud, Voy. Monde La Bonite Bot.; Atl. t. 90; Suppl. Expl. Pl. 158 (1866).—Hooker f., Fl. Brit. Ind. **5**: 590 (1888).

*Conocephalus niveus* Wight, Icon. Pl. Ind. Or. **6**: t. 1959 (1853).

*Missiessya velutina* Weddell in Ann. Sci. Nat. Bot. sér. **4**, **1**: 195 (1854).

*Morocarpus longifolius* Blume, Mus. Bot. Lugd.-Bat. **2**: 156 (1855).

*Morocarpus velutinus* Blume, l. c. (1855).

Fam. **SANTALACEAE**

- SANTALACEAE R. Brown, Prodr. Fl. Nov. Holl. 1: 350 (1810). — A. De Candolle in De Candolle, Prodr. 14: 619 (1857). — Bentham & Hooker f., Gen. Pl. 3: 217 (1880).  
*Osyrideae* [Jussieu in Ann. Mus. Hist. Nat. Paris, 5: 222 (1804) "Osyridées." —] Lindley, Introduct. Nat. Syst. Bot. 74 (1830), pro syn.  
*Nyssaceae* Jussieu in Dict. Sci. Nat. 35: 267 (1825), p. p.  
*Santaleae* Reichenbach, Consp. Reg. Veg. 79 (1828), nom. subnud.  
*Osyrinae* Link, Handb. Erkenn. Gew. 1: 371 (1829).  
*Santalaceae* a. *Santaleae* Horaninov, Char. Ess. Fam. Reg. Veg. 71 (1847).

- BUCKLEYA** Torrey in Am. Jour. Sci. 45: 170 (1843). — Bentham & Hooker f., Gen. Pl. 3: 226 (1880).  
*Quadriala* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 194, t. 2b (Fam. Nat. Fl. Jap. 1: 86, t. 2b) (1845).  
 TYPUS: *Borya distichophylla* Nutt. = *Buckleya distichophylla* (Nutt.) Torr.

- B. distichophylla** (Nutt.) Torrey in Am. Jour. Sci. 45: 170 (1843). — Sargent in Gard. & For. 3: 236, fig. 37 (1890).  
*Borya distichophylla* Nuttall, Gen. N. Am. Pl. 2: 232 (1818).

- PYRULARIA** Michaux, Fl. Bor.-Am. 2: 231 (1803). — Bentham & Hooker f., Gen. Pl. 3: 223 (1880).  
*Hamiltonia* Mühlenberg ex Willdenow, Sp. Pl. 4, 2: 1114 [1806], nom.  
*Calinux* Rafinesque in Med. Repos. New York, hex. 2, 5: 353 (1808).  
*Sphaerocarya* Wallich in Roxburgh, Fl. Ind. 2: 371 (1824).  
 TYPUS: *P. pubera* Michx.

- P. pubera** Michaux, Fl. Bor.-Am. 2: 231 (1803). — Britton & Brown, Ill. Fl. N. U. S. 1: 537, fig. 1276 (1896).  
*Hamiltonia oleifera* Mühlenberg ex Willdenow, Sp. Pl. 4, 1: 1120 (1806), non Roxburgh (1824).  
*Pyrularia oleifera* A. Gray, Man. Bot. N. U. S. ed. 2, 382 (1858).

Fam. **LORANTHACEAE**

- LORANTHACEAE D. Don, Prodr. Fl. Nepal. 142 (1825), nom. subnud. — De Candolle, [Mém. Fam. Loranth. 1, 11 (1830) "Loranthacées";] Prodr. 4: 277 (1830). — Bentham & Hooker f., Gen. Pl. 3: 205 (1880).  
*Loranthaeae* Jussieu in Ann. Mus. Hist. Nat. Paris, 12: 292 (1808).  
*Caprifoliaceae* 1. *Loranthaeae* Reichenbach, Handb. Nat. Pflanzensyst. 179 (1837), nom. subnud.  
*Viscaceae* Miers in Ann. Mag. Nat. Hist. ser. 2, 8: 179 (1851). — Lindley, Veg. Kingd. ed. 3, 791c (1853).

- LORANTHUS** Linnaeus, Sp. Pl. 331 (1753); Gen. Pl. ed. 5, 154, no. 400 (1754). — Bentham & Hooker f., Gen. Pl. 3: 207 (1880).  
*Loranthus* sect. *Euloranthus* a. *Europaecola* Bentham & Hooker f., op. cit. 209 (1880).  
 TYPUS: *L. americanus* L.

- L. europaeus** Jacquin, Enum. Stirp. Vindob. 230, t. 3 (1762). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 666 (1912).

- PHORADENDRON** Nuttall in Jour. Acad. Nat. Sci. Philad. n. ser., 1: 185 (1847). — Bentham & Hooker f., Gen. Pl. 3: 214 (1880).  
*Spiciviscum* Karsten, Fl. Columb. 1: 73, t. 36 (1858).  
*Allobium* Miers in Ann. Nat. Hist. ser. 2, 8: 179 (1881), p. p.  
*Baratostachys* Korthals [Viscum sect.] ex Uphof, Pflanzengatt. 173 (1910).  
 TYPUS: *P. flavescens* Nutt.

- P. flavescens** (Pursh) Nuttall in Jour. Acad. Nat. Sci. Philad. n. ser., 1: 185 (1847). — Britton & Brown, Ill. Fl. N. U. S. 1: 53, fig. 1272 (1896). — Trelease, Monog. Phoradendron, 30, t. 5, 24, 25 (1916).  
*Viscum flavescens* Pursh, Fl. Am. Sept. 1: 114 (1814).  
*Viscum leucarpum* Rafinesque, Fl. Ludov. 79 (1817).  
*Viscum serotinum* Rafinesque in Ann. Gén. Sci. Phys. 5: 348 (1820); New Fl. N. Am. 3: 22 [1838].  
*Viscum leucocarpum* Rafin. ex De Candolle, Prodr. 4: 280 (1830), pro syn.  
*Viscum ochroleucum*, *V. oblongifolium*, *V. rugosum* Rafinesque, New Fl. N. Am. 3: 22–24 [1838].  
*Viscum verticillatum* Audubon, Birds Am. 4° ed., 3: 23, t. 143 (1841), nom.; non Linnaeus (1753).

- ARCEUTHOBIUM** Bieberstein, Fl. Taur.-Cauc. 3: 629 (1819). — Bentham & Hooker f., Gen. Pl. 3: 213 (1880). — NOM. CONSERV. cf. Régl. Intern. Nomencl. Bot. [ed. 2] 85, no. 2091 (1912).  
*Razoumowskia* G. F. Hoffmann, Hort. Mosq. introd. no. 1, fig. 1a–b (1808). — Hoffm. ex Kuntze, Rev. Gen. Pl. 2: 587 (1891) "*Razoumofskya*". — Fedtchenko in Komarov, Fl. S. S. S. R. 5: 407 (1936).  
 TYPUS: *A. Oxycedri* (DC.) Bieb.

- A. pusillum** Peck in Ann. Rep. New York State Mus. Nat. Hist. 1875: 112 (1875).  
*Razoumofskya pusilla* (Peck) Kuntze, Rev. Gen. Pl. 2: 587 (1891).

- VISCUM** Linnaeus, Sp. Pl. 1023 (1753); Gen. Pl. ed. 5, 448, no. 979 (1754). — Bentham & Hooker f., Gen. Pl. 3: 213 (1880).  
 LECTOTYPUS: *V. album* L.

- V. album** Linnaeus, Sp. Pl. 1023 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 670 (1912).  
*Viscum dichotomum* Gilibert, Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 394 (1792).  
*Viscum album* var. *platyspermum* Keller in Bot. Centralbl. 44: 283 (1890).  
*Viscum album* var. *typicum* Beck, Fl. Nieder-Öster. 604 (1892).

Fam. **ARISTOLOCHIACEAE**

- ARISTOLOCHIACEAE Jussieu ex Blume, Enum. Pl. Jav. 1: 81 (1830). — Lindley, Nat. Syst. Bot. ed. 2, 205 (1836). — Bentham & Hooker f., Gen. Pl. 3: 121 (1880).  
*Aristolochiae* Jussieu, Gen. Pl. 72 (1789).

- ARISTOLOCHIA** Linnaeus, Sp. Pl. 960 (1753); Gen. Pl. ed. 5, 410, no. 911 (1754). — Bentham & Hooker f., Gen. Pl. 3: 123 (1880).  
*Isotrema* Rafinesque in Jour. de Phys. Chim. Hist. Nat. 89: 102 (1819); in Am. Monthly Mag. 4: 195 (1819).  
*Hocquartia* Dumortier, Comm. Bot. 30 (1822). — Nakai, Fl. Sylv. Kor. 21: 36 (1926).

- Siphisia* Rafinesque, Med. Fl. 1: 62 (1828).  
*Aristolochia* sect. *Siphisia* Duchartre in Ann. Sci. Nat. Bot. sér. 4, 2: 29, t. 5, fig. 6 (1854).  
 LECTOTYPUS: *A. rotunda* L.
- A. durior** Hill, Twenty-five New Pl. 9, t. 24 (1773). — Rehder in Jour. Arnold Arb. 3: 42 (1921).  
*Aristolochia macrophylla* Lamarck, Encycl. Méth. Bot. 1: 252 (1783). — Britton & Brown, Ill. Fl. N. U. S. 1: 540, fig. 1283 (1896).  
*Aristolochia Siphio* L'Héritier, Stirp. Nov. 1: 13, t. 7 (1784).  
*Aristolochia frutescens* Marshall, Arb. Am. 12 (1785).  
*Hocquartia macrophylla* Dumortier, Comm. Bot. 30 (1822).  
*Siphisia glabra* Rafinesque, Med. Fl. 1: 65 (1828).  
*Siphisia Siphio* Klotzsch in Monatsber. Akad. Wiss. Berlin, 1859: 602 (1859).  
*Siphisia macrophylla* Ascherson, Fl. Prov. Brandenb. 1: 598 (1864).  
*Isotrema Siphio* Rafinesque ex B. D. Jackson in Index Kew. 1: 1240 [1893].
- A. manshuriensis** Komarov in Act. Hort. Petrop. 22: 112 (1900).  
*Hocquartia manshuriensis* Nakai, Fl. Sylv. Kor. 21: 27, t. 1 (1936).
- A. tomentosa** Sims in Bot. Mag. 33: t. 1369 (1811).  
*Aristolochia hirsuta* Muhlenberg, Cat. Pl. Am. 81 (1813), nom.  
*Siphisia tomentosa* Rafinesque, Med. Fl. 1: 65 (1828).
- A. californica** Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 4: 128 (Descr. Gen. Bot. Coll.) (1856). — Abrams, Ill. Fl. Pacif. St. 1: 536, fig. (1923).
- A. moupinensis** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 10: 79 (Pl. David. 2: 117. 1888) (1887). Rehder & Wilson in Sargent, Pl. Wilson. 3: 324 (1916).
- A. heterophylla** Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 361 (1891). — Rehder & Wilson in Sargent, Pl. Wilson. 3: 321 (1916).  
*Isotrema heterophylla* (Hemsl.) Stapf in Bot. Mag. 148: t. 8957, p. [1] (1923).  
*Aristolochia setchuenensis* Franchet in Jour. de Bot. 12: 312 (1898).
- A. Kaempferi** Willdenow, Sp. Pl. 4, 1: 152 (1805). — Duchartre in De Candolle, Prodr. 15, 1: 439 (1864).
- Fam. POLYGONACEAE**
- POLYGONACEAE** Horaninov, Prim. Lin. Syst. Nat. 58 (1834). — Lindley, Nat. Syst. Bot. ed. 2, 211 (1836). — Meissner in De Candolle, Prodr. 14: 1 (1856). — Benth. & Hooker f., Gen. Pl. 3: 88 (1880).  
*Oleraceae* Scopoli, Fl. Carniol. 418 (1760, pref. June), p. p.  
*Polygoneae* Jussieu, Gen. Pl. 82 (1789).  
*Nyctagineae* 2. *Allioneae* a. *Eriogoneae* Reichenbach, Handb. Nat. Pflanzensyst. 174 (1837), nom. subnud.  
*Portulacaceae* 2. *Polygoneae* Reichenbach, op. cit. 236 (1837), exclud. b.  
*Eriogonaceae* Walpers, Ann. Bot. 3: 297 (1852).
- ERIOGONUM** Michaux, Fl. Bor.-Am. 1: 246 (1803). — Benth. & Hooker f., Gen. Pl. 3: 92 (1880).  
*Espinosa* Lagasca, Gen. Sp. Pl. Nov. 14 (1816).  
*Eucycla* Nuttall in Jour. Acad. Nat. Sci. Philad. 1: 166 (1847). — Benth. in De Candolle, Prodr. 14: 10 (1856) "*Encycla*" sphalm.; pro syn.
- Trachytheca* Nuttall, l. c. (1847).  
*Stenogonum* Nuttall in op. cit. 170 (1847).  
 TYPUS: *E. tomentosum* Michx.
- E. Wrightii** Torrey ex Benth. in De Candolle, Prodr. 14: 15 (1856). — Jepson, Fl. Calif. 1: 415 (1914).  
*Eriogonum trachygonum* Torrey ex Benth. in De Candolle, Prodr. 14: 15 (1856).  
*Eriogonum Wrightii* var. *trachygonum* (Benth.) Jepson, Fl. W. Mid. Calif. 154 (1901).
- ATRAPHAXIS** Linnaeus, Sp. Pl. 333 (1753); Gen. Pl. ed. 5, 155, no. 405 (1754). — Benth. & Hooker f., Gen. Pl. 3: 96 (1880).  
*Tragopyrum* Bieberstein, Fl. Taur.-Cauc. 3: 284 (1819).  
*Atraphaxis* sect. *Tragopyrum* Jaubert & Spach, Ill. Pl. Or. 2: 13 (1844).  
*Physopyrum* Popov in Ind. Sem. Hort. Almaatens. 2: 23 (1935).  
 LECTOTYPUS: *A. spinosa* L.
- A. spinosa** Linnaeus Sp. Pl. 333 (1753). — Benth. in De Candolle, Prodr. 14: 75 (1856). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 799 (1912). — Pavlov in Komarov, S. S. S. R. 5: 505 (1936).  
*Tragopyrum spinosum* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 539 (Bot. Bemerk. 109) (1844).  
*Polygonum crispulum* β. Sims in Bot. Mag. 27: t. 1065, p. [1] (1808).
- A. frutescens** (L.) Eversmann, Reise Orenb. Buchara, 115 (1823). — K. Koch, Dendr. 2, 1: 360 (1872). — Pavlov in Komarov, Fl. S. S. S. R. 5: 520 (1936).  
*Polygonum frutescens* Linnaeus, Sp. Pl. 359 (1753).  
*Polygonum fruticosum* Gmelin, Fl. Sibir. 3: 60 (1768).  
*Tragopyrum lanceolatum* Bieberstein, Fl. Taur.-Cauc. 3: 285 (1819).  
*Tragopyrum glaucum* Sprengel, Syst. Veg. 2: 251 (1825).  
*Polygonella lanceolata* Meissner, Pl. Vasc. Gen. 2 (Comm.): 228 (1843).  
*Atraphaxis micrantha* Jaubert & Spach, Ill. Pl. Or. 2: 15 (1844).  
*Atraphaxis davurica* Jaubert & Spach, l. c. (1844).  
*Tragopyrum pungens* β. *angustifolium* et γ. *inerme*, Ledebour, Fl. Ross. 3: 515 (1850).  
*Atraphaxis lanceolata* Meissner in De Candolle, Prodr. 14: 78 (1856).
- A. Billardieri** Jaubert & Spach, Ill. Pl. Or. 2: 16, t. 111 (1844).  
*Tragopyrum Billardieri* Endlicher, Gen. Pl. Suppl. 4, 2: 54 (1847).
- A. caucasica** (Hoffmann) Pavlov in Komarov, Fl. S. S. S. R. 5: 516 (1936).  
*Polygonum causicum* G. F. Hoffmann in Comm. Soc. Phys.-Med. Mosq. 1, 1: 10 (1806).  
*Polygonum buxifolium* Bieberstein, Fl. Taur.-Cauc. 1: 300 (1808).  
*Polygonum crispulum* Sims in Bot. Mag. 27: t. 1065 (1808).  
*Tragopyrum buxifolium* Bieberstein, Fl. Taur.-Cauc. 3: 284 (1819).  
*Polygonella buxifolia* Meissner, Pl. Vasc. Gen. 2 (Comm.): 228 (1843).  
*Atraphaxis buxifolia* Jaubert & Spach, Ill. Pl. Or. 2: 14 (1844). — Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 799 (1912). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 198 (1940).
- A. Muschketowi** Krassnov in Scripta Bot. Hort. Univ. Petrop. 2: 20 (1888) (Descr. Pl. Nov.) (repr. 1886). —

**Atraphaxis Muschketowi** (*continued*)

Hooker f. in Bot. Mag. **121**: t. 7435 (1895).—Pavlov in Komarov, Fl. S. S. S. R. **5**: 513 (1936).

*Tragopyrum lanceolatum* var. *latifolia* Regel in Gartenfl. **40**: 169, t. 1344 (1891).

*Atraphaxis latifolia* Koehne in Mitt. Deutsch. Dendr. Ges. **1894**(3): 13 (1894).—Schneider in Ill. Handb. Laubh. **1**: 257, fig. 167f<sup>1</sup> (1904).

**CALLIGONUM** Linnaeus, Sp. Pl. 530 (1753); Gen. Pl. ed. 5, 235, no. 601 (1754).

*Pterococcus* Pallas, Reise Prov. Russ. Reich. **2**: 332, appx. 738 (1773).

*Pallasia* Linnaeus f., Suppl. Pl. 252 (1781).

*Gibsonia* Stocks in Proc. Linn. Soc. Lond. **1**: 367 (1848), nom. subnud.

*Calliphysa* Fischer & Meyer in Ind. Sem. Hort. Petrop. **2**: 24 (1835).

Typus: *C. polygonoides* L.

**C. aphyllum** (Pallas) Schneider, Ill. Handb. Laubh. **1**: 258 (1904).

*Pterococcus aphyllus* Pallas, Reise Prov. Russ. Reich. **2**: (appx.): 738 (1773).

*Calligonum Pallasia* L'Héritier in Trans. Linn. Soc. Lond. **1**: 180 (1791).

*Calligonum polygonoides* sensu Pallas, op. cit. **3**: 356 (1776), non Linnaeus (1753).

**C. polygonoides** Linnaeus, Sp. Pl. 530 (1753).—Pavlov in Komarov, Fl. S. S. S. R. **5**: 513, t. 34, fig. 4 (1936).

**POLYGONUM** Linnaeus, Sp. Pl. 359 (1753); Gen. Pl. ed. 5, 170, no. 445 (1754).—Bentham & Hooker f., Gen. Pl. **3**: 97 (1880).

*Bistorta* Adanson, Fam. Pl. **2**: 277 (1763).

*Dioclis* Rafinesque, Fl. Tellur. **3**: 15 [1837].

*Pleuropterus* Turczaninov in Bull. Soc. Nat. Moscou, **21**, **1**: 587 (1848).

Synon. cetera vide Dalla Torre & Harms, Gen. Siphonog. **140** (1900).

LECTOTYPUS: *P. aviculare* L.

**P. vacciniifolium** Wallich, Num. List, no. 1695 (1829), nom.—Meissner in Wallich, Pl. As. Rar. **3**: 54 (1832).—Hooker f., Fl. Brit. Ind. **5**: 610 (1890).

*Bistorta vacciniifolia* (Wall.) Greene, Leaf. Bot. Obs. **1**: 21 (1904).

**P. equisetiforme** Sibthorp & Smith, Fl. Graec. **1**: 269 (1806).—Pavlov in Komarov, Fl. S. S. S. R. **5**: 610 (1936).

*Dioclis equisetiformis* Rafinesque, Fl. Tellur. **3**: 15 [1837].

**P. baldschuanicum** Regel in Act. Hort. Petrop. **8**: 684, t. 10 (1883).—Pavlov in Komarov, Fl. S. S. S. R. **5**: 699, t. 49, fig. 1 (1936).

**P. Auberti** L. Henry in Rev. Hort., n. ser., **7**: 82, fig. 23, 24 (1907).

**P. multiflorum** Thunberg, Fl. Jap. 169 (1784).—Schneider in Sargent, Pl. Wilson. **3**: 325 (1916).

*Pleuropterus cordatus* Turczaninov in Bull. Soc. Nat. Moscou, **21**, **1**: 587 (1848).

*Pleuropterus multiflorus* Turcz. ex Nakai in Repert. Sp. Nov. Reg. Veg. **13**: 267 (1914).

**PTEROXYGONUM** Dammer & Diels in Bot. Jahrb. **36**, Beibl. **82**: 36 (1905).

Typus: *P. Giraldii* Dammer & Diels.

**P. Giraldii** Dammer & Diels, l. c. (1905).

**POLYGONELLA** Michaux, Fl. Bor.-Am. **2**: 240 (1803).—Meissner in De Candolle, Prodr. **14**: 79 (1856).—Bentham & Hooker f., Gen. Pl. **3**: 97 (1880).

*Lyonia* Rafinesque in New York Med. Repos. hex. **2**, **5**: 353 (1808).

*Stopinaca* Rafinesque, Fl. Tellur. **3**: 11 [1837].

*Gonopyrum* C. A. Meyer in Mém. Acad. Sci. St. Pétersb. sér. 6(Sci. Nat.), **4**: 144 (1840).

Typus: *P. parvifolia* Michx.

**P. americana** (Fisch. & Mey.) Small in Mem. Torrey Bot. Club, **5**: 141 (1894).—Britton & Brown, Ill. Fl. N. U. S. **1**: 368, fig. 1357 (1896).

*Gonopyrum americanum* Fischer & Meyer in Mém. Acad. Sci. St. Pétersb., sér. 6(Sci. Nat.), **4**: 144 (1840).

*Polygonella ericoides* Engelmann & Gray in Boston Jour. Nat. Hist. **5**: 231 (1845).

**BRUNNICHIA** Banks ex Gaertner, Fruct. Sem. **1**: 213, t. 45, fig. 2 (1788).—Bentham & Hooker f., Gen. Pl. **3**: 103 (1880).

Typus: *B. cirrhosa* Gaertn.

**B. cirrhosa** Banks ex Gaertner, l. c. (1788).—Britton & Brown, Ill. Fl. N. U. S. **1**: 569, fig. 1358 (1896).

*Rajana ovata* Walter, Fl. Carol. 247 (1788), non Swartz (1788).

**MUEHLENBECKIA** Meissner, Pl. Vasc. Gen. **1**: 316 (?1840) "*Mühlenbeckia*."—Bentham & Hooker f., Gen. Pl. **3**: 101 (1880).—Nom. Conserv. cf. Intern. Rules Bot. Nom. ed. 3, 134, no. 2208 (1935); Kew Bull. **1940**: 100, no. 2208 (1940).

*Calacinum* Rafinesque, Fl. Tellur. **2**: 33 (1836).

*Karkinetron* Rafinesque, op. cit. **3**: 11 [1837].

*Sarcogonum* G. Don ex Sweet, Hort. Brit. ed. 3, 577 (1839), nom.

*Homalocladium* (F. v. Muell.) L. H. Bailey, Gent. Herb. **2**: 56 (1929).

Typus: *M. australis* (Forst.) Meissn.

**M. complexa** (A. Cunningh.) Meissner, Pl. Vasc. Gen. **2** (Comm.): 227 [?1840]; in De Candolle, Prodr. **14**: 147 (1856).

*Polygonum complexum* A. Cunningham in Ann. Mag. Nat. Hist. **1**: 454 (1838).

*Sarcogonum complexum* Kunze in Linnaea, **17**: 570 (1843).

*Calacinum complexum* Macbride in Publ. Field Mus. Nat. Hist. Bot. Ser. **4**: 115 (1927).

**M. axillaris** (Hook. f.) Walpers, Ann. Bot. Syst. **1**: 552 (1848).—Meissner in De Candolle, Prodr. **14**: 147 (1856).

*Polygonum axillare* Hooker f. in Lond. Jour. Bot. **6**: 278 (1847).

*Muehlenbeckia nana* Hort. [ex Nicholson] in Kew Handlist Trees Shrubs, ed. 2, 591 (1902), pro syn.

*Calacinum axillare* Macbride in Publ. Field Mus. Nat. Hist. Bot. Ser., **4**: 115 (1927).

Fam. **CHENOPODIACEAE**

**CHENOPODIACEAE** Dumortier, Anal. Fam. Pl. 17 (1829).—Lindley, Nat. Syst. Bot. ed. 2, 208 (1836).—Bentham & Hooker f., Gen. Pl. **3**: 43–76 (1880).

*Oleraceae* Scopoli, Fl. Carniol. 418 (1760, pref. June), p. p.

*Atripliceae* Necker in Act. Acad. Elect. Sci. Theod. Palat. **2**: 486 (1770), nom. subnud.

- Chenopodae* Ventenat, Tabl. Règ. Vég. 2: 253 (1799), p. p.  
*Chenopodeae* Agardh, Aphor. Bot. 215 (1825).  
*Aizoideae* 1. *Oleraceae* a. *Chenopodeae* Reichenbach, Handb. Nat. Pflanzensyst. 238 (1837).  
*Salsolaceae* Moquin-Tandon in De Candolle, Prodr. 13,2: 41-219 (1849).  
*Anabaseae* Bunge in Mém. Acad. Sci. St. Pétersb. sér. 7, 4,11: 102 pp. (1862).  
*Salicornieae* Ungern-Sternberg, Vers. Syst. Salicorn. 114 pp. (1866).  
*Atriplicaceae* Jussieu ex Simonkai, Enum. Fl. Transsilv. 465 (1887), nom. subnud.
- ATRIPLEX** Linnaeus, Sp. Pl. 1052 (1753); Gen. Pl. 472, no. 1021 (1754).—Bentham & Hooker f., Gen. Pl. 3: 53 (1880).  
*Obione* Gaertner, Fruct. Sem. 2: 198, t. 126 (1791).  
*Halimus* Wallroth, Sched. Crit. 117 (1822).  
*Atriplex* sect. *Schizotheca* C. A. Meyer in Ledebour, Fl. Alt. 4: 306 (1833).  
*Pterochiton* Torrey in Frémont, Rep. Expl. Exped. Rocky Mts. 318 (1845).  
*Schizotheca* C. A. Meyer ex Lindley, Veg. Kingd. ed. 2, 513 (1847), nom.; non Ehrenberg (1832).  
*Theleophyton* Moquin-Tandon in De Candolle, Prodr. 13,2: 115 (1849).  
LECTOTYPUS: *A. hastata* L.
- A. canescens** James in Trans. Am. Philos. Soc. 2: 178 (1825).—Standley in N. Am. Fl. 21: 71 (1916), cum synonym. multis.  
*Pterochiton occidentale* Torrey & Frémont in Frémont, Rep. Expl. Exped. Rocky Mts. 318 (1845).  
*Atriplex occidentalis* D. Dietrich, Syn. Pl. 5: 537 (1852).
- A. Nuttallii** S. Watson in Proc. Am. Acad. Arts Sci. 9: 116 (1874).—Standley in N. Am. Fl. 21: 69 (1916).
- A. confertifolia** (Torr.) S. Watson in op. cit. 119 (1874).—Standley in op. cit. 70 (1916).  
*Obione confertifolia* Torrey & Frémont in Frémont, Rep. Expl. Exped. Rocky Mts. 318 (1845).  
*Obione spinosa* Moquin-Tandon in De Candolle, Prodr. 13,2: 108 (1849).  
*Atriplex spinosa* D. Dietrich, Syn. Pl. 5: 536 (1852).
- A. Halimus** Linnaeus, Sp. Pl. 1052 (1753).—Moquin-Tandon in De Candolle, Prodr. 13,2: 100 (1849).—Beck in Reichenbach, Icon. Fl. Germ. 24: 144, t. 270 (1909).—Ascherson & Graebner, Syn. Mitteleur. Fl. 5,1: 150 (1913).  
*Chenopodium Halimus* Thunberg, Prodr. Fl. Cap. 48 (1794).  
*Atriplex capensis* Moquin-Tandon in De Candolle, Prodr. 13,2: 100 (1849).  
*Schizotheca Halimus* Fourreau in Ann. Soc. Linn. Lyon. sér. 2, 17: 143 (1869).
- A. portulacoides** Linnaeus, Sp. Pl. 1053 (1753).  
*Chenopodium portulacoides* Thunberg, Fl. Cap. 2: 178 (1818).  
*Halimus portulacoides* Dumortier, Florula Belg. 20 (1827).  
*Obione portulacoides* Moquin-Tandon, Chenopod. Monog. Enum. 75 (1840).—Ascherson & Graebner, Syn. Mitteleur. Fl. 5,1: 110 (1913).
- GRAYIA** Hooker & Arnott, Bot. Beechey Voy. 387 (1841).—Bentham & Hooker f., Gen. Pl. 3: 54 (1880).  
*Eremosium* Greene in Pittonia, 4: 225 (1900).  
TYPUS: *G. polygaloides* Hook. & Arn. = *G. spinosa* (Hook.) Moq.-Tand.
- G. spinosa** (Hook.) Moquin-Tandon in De Candolle, Prodr. 13,2: 119 (1849).—Standley in N. Am. Fl. 21: 75 (1916).  
*Chenopodium* ? *spinosa* Hooker, Fl. Bor.-Am. 2: 127 (1838).  
*Grayia polygaloides* Hooker & Arnott, Bot. Beechey Voy. 387 (1841).  
*Eremosium spinosum* Greene in Pittonia, 4: 225 (1900).
- EUROTIA** Adanson, Fam. Pl. 2: 260 (1763).—Bentham & Hooker f., Gen. Pl. 3: 55 (1880).  
*Axyris* Linnaeus, Sp. Pl. 979 (1753), p. p.  
*Krascheninnikovia* Güldenstädt in Nov. Comm. Acad. Sci. Petrop. 16: 548, 555, t. 17 (1772).  
*Gueldenstaedtia* Necker, Elem. Bot. 2: 204 (1790).  
*Diotis* Schreber, Gen. Pl. 2: 633 (1791).  
*Ceratosperrum* Persoon, Syn. Pl. 2: 551 (1807).  
*Kranikofia* Rafinesque, Princ. Fond. Somiol. 30 (1814).  
LECTOTYPUS: *Axyris ceratoides* L. = *E. ceratoides* (L.) C. A. Mey.
- E. lanata** (Pursh) Moquin-Tandon, Chenopod. Enum. 81 (1840).—Standley in N. Am. Fl. 21: 76 (1916).  
*Diotis lanata* Pursh, Fl. Am. Sept. 602 (1814).  
*Diotis revoluta* Nuttall ex Moquin-Tandon in De Candolle, Prodr. 13,2: 129 (1849), pro syn.  
*Eurotia ceratoides* var. *lanata* Kuntze, Rev. Gen. Pl. 2: 549 (1891).
- E. ceratoides** (L.) C. A. Meyer in Ledebour, Fl. Alt. 4: 239 (1833).—Beck in Reichenbach, Icon. Fl. Germ. 24: 148, t. 273 (1909).—Iljin in Komarov, Fl. S. S. S. R. 6: 108, t. 2, fig. 12 (1936).  
*Axyris ceratoides* Linnaeus, Sp. Pl. 979 (1753).  
*Krascheninnikovia ceratoides* Güldenstädt in Nov. Comm. Acad. Sci. Petrop. 16: 548, 555, t. 17 (1772).  
*Diotis ceratoides* Willdenow, Sp. Pl. 4,1: 368 (1805).  
*Ceratosperrum papposum* Persoon, Syn. Pl. 2: 552 (1807).
- CAMPHOROSMA** Linnaeus, Sp. Pl. 122 (1753); Gen. Pl. ed. 5, 58, no. 152 (1754).—Bentham & Hooker f., Gen. Pl. 3: 56 (1880).  
*Camphorata* Crantz, Inst. Rei Herb. 1: 113 (1766).  
LECTOTYPUS: *C. monspeliaca* L.
- C. monspeliaca** Linnaeus, Sp. Pl. 122 (1753).—Beck in Reichenbach, Icon. Fl. Germ. 24: 149, t. 274 (1909) "*Camphorosme m.*"  
*Camphorata monspeliensium* Crantz, Inst. Rei Herb. 1: 114 (1766).  
*Camphorosma monspeliense* Murray, Syst. Veg. ed. 13, 139 (1774).  
*Camphorata hirsuta* Moench, Meth. Pl. 700 (1794).  
*Camphorosma hirsutum* Stokes, Bot. Mat. Med. 1: 232 (1812).
- KOCHIA** Roth in Jour. für Bot. (Schrader) [3]: 303, 307 (1800), emend.—Bentham & Hooker f., Gen. Pl. 3: 60 (1880).—Beck in Reichenbach, Icon. Fl. Germ. 24: 151 (1909).  
*Willemetia* Maerklin in Jour. für Bot. (Schrader) [3]: 329 (1800).  
*Sclerochlamys* F. v. Mueller in Trans. Philos. Inst. Victoria, 2: 76 (1858).  
*Pentodon* Ehrenberg ex Boissier, Fl. Or. 4: 925 (1879).  
TYPUS: *Salsola arenaria* Maerkl. = *K. arenaria* (Maerkl.) Roth.
- K. prostrata** (L.) Schrader in Neu. Jour. für Bot. (Schrader) 3,3-4: 85 (1809).—Beck in Reichenbach, Icon. Fl. Germ. 24: 151, t. 276 (1909).

**Kochia prostrata** (*continued*)

- Salsola prostrata* Linnaeus, Sp. Pl. 222 (1753).  
*Chenopodium villosum* Lamarck, Encycl. Méth. Bot. 1: 196 (1783).  
*Chenopodium angustanum* Allioni, Fl. Pedem. 2: 198, t. 38, fig. 4 (1785).  
*Chenopodium camphorataefolium* Pourret in Mém. Acad. Sci. Toulouse, 3: 311 (1788).  
*Kochia suffruticulosa* Lessing in Linnaea, 9: 202 (1834).  
*Chenopodium lineare* Hort. ex Steudel, Nomencl. Bot. ed. 2, 1: 348 (1840), pro syn.

**SARCOBATUS** Nees in Maximilian Prinz zu Wied, Reise N. Am. 1: 510 (1839); 2: 446 (Syst. Uebers. Reise Missouri Pflanz.) (1841).—Bentham & Hooker f., Gen. Pl. 3: 76 (1880).

*Fremontia* Torrey in Frémont, Rep. Expl. Exped. Rocky Mts. 95, 317, t. 3 (1845).

TYPE: *S. Maximiliani* Nees = *S. vermiculatus* (Hook.) Torrey.

**S. vermiculatus** (Hook.) Torrey in Emory, Rep. Milit. Recon. Fort. Leavenw. 150 (1848).

*Batis* ? *vermiculata* Hooker, Fl. Bor.-Am. 2: 128 [1838].  
*Sarcobatus Maximiliani* Nees in Maximilian, Prinz zu Wied, Reise N. Am. 1: 510 (1839); 2: 446 (Syst. Uebers. Reise Missouri Pflanz.) (1841).

*Fremontia vermicularis* Torrey in Frémont, Rep. Expl. Exped. Rocky Mts. 95, 370, t. 3 (1845).

**SUAEDA** Forskål, Fl. Aegypt.-Arab. 69 (1775).—Bentham & Hooker f., Gen. Pl. 3: 66 (1880).—NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. 79, no. 2261 (1906).

*Dondia* Adanson, Fam. Pl. 2: 261 (1763).

*Lerchea* Rueling, Ord. Pl. 45 (1774).

*Cochliospermum* Lagasca, Mem. Pl. Barill. Esp. 58 (1817).

TYPE: *S. vera* Forsk.

**S. fruticosa** (L.) Forskål, Fl. Aegypt.-Arab. 70 (1775); Icon. Rer. Nat. 5, t. 9 (1776).—Beck in Reichenbach, Icon. Fl. Germ. Helv. 24: 167, t. 289 (1909).

*Chenopodium fruticosum* Linnaeus, Sp. Pl. 221 (1753).

*Salsola fruticosa* Linnaeus, Sp. Pl. ed. 2, 324 (1763).

*Salsola annularis* Poirlet, Encycl. Méth. Bot. 7: 298 (1806).  
*Cochliospermum fruticosum* Lagasca, Mem. Pl. Barill. Esp. 59 (1817).

*Lerchea obtusifolia* Haller ex Steudel, Nomencl. Bot. 187, 474 (1821); Medicus ex Steudel, op. cit. ed. 2, 2: 33 (1841).

*Schoberia fruticosa* C. A. Meyer in Ledebour, Fl. Alt. 1: 402 (1829).

*Dondia fruticosa* Druce, List. Brit. Pl. 60 (1908).

**SALSOLA** Linnaeus, Sp. Pl. 322 (1753), exclud. spec. non-null.; Gen. Pl. ed. 5, 104, no. 275 (1754).—Bentham & Hooker f., Gen. Pl. 3: 71 (1880).

LECTOTYPUS: *S. Kali* L.

**S. laricina** Pallas, Ill. Pl. Imperf. Cogn. 21, t. 13 (1803).—Iljin in Komarov, Fl. S. S. S. R. 6: 252 (1936).

*Salsola vermiculata* var. *laricina* Moquin-Tandon, Chenopod. Monog. Enum. 141 (1840).

**HALOXYLON** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 7: 468 (Alex. Lehmann Reliq. Bot. 292) (1851).—Bentham & Hooker f., Gen. Pl. 3: 70 (1880).

LECTOTYPUS: *Anabasis Ammodendron* C. A. Mey. = *H. Ammodendron* (C. A. Mey.) Bge.

**H. Ammodendron** (C. A. Mey.) Bunge in op. cit. 469 (293) (1851).—Iljin in Komarov, Fl. S. S. S. R. 6: 313 (1936).

*Anabasis Ammodendron* C. A. Meyer in Ledebour, Fl. Alt. 1: 375 (1829).

*Arthropytum ammodendron* Litvinov in Trav. Mus. Bot. Acad. Sci. St. Pétersb. 11: 35 (1913).

*Haloxylon pachycladum* Popov in Bull. Appl. Bot. 21, 3: 11 (1931).

**ANABASIS** Linnaeus, Sp. Pl. 223 (1753); Gen. Pl. ed. 5, 104, no. 276 (1754).—Bentham & Hooker f., Gen. Pl. 3: 72 (1880).

LECTOTYPUS: *A. aphylla* L.

**A. aphylla** Linnaeus, Sp. Pl. 223 (1753).—Iljin in Komarov, Fl. S. S. S. R. 6: 297 (1937).**SALICORNIA** Linnaeus, Sp. Pl. 3 (1753); Gen. Pl. 4, no. 10 (1754).—Bentham & Hooker f., Gen. Pl. 3: 66 (1880).

*Sarcathria Rafinesque*, Fl. Tellur. 3: 47 [1837].

LECTOTYPUS: *S. europaea* L.

**S. perennis** Miller, Gard. Dict. ed. 8, S. no. 2 (1768).—Standley in N. Am. Fl. 21: 82 (1916).

*Salicornia europaea* β. *perennis* Gouan, Hort. Monspel. 2 (1762).

*Salicornia ambigua* Michaux, Fl. Bor.-Am. 1: 2 (1803).

*Salicornia radicans* Smith, Engl. Bot. 24: t. 1691 (1807).

*Sarcathria ambigua* Rafinesque, Fl. Tellur. 3: 47 [1837].

*Sarcathria radicans* Rafinesque, l. c. (1837).

*Arthrocnemum fruticosum* β. *radicans* Moquin-Tandon, Chenopod. Monog. Enum. 111 (1840).

*Arthrocnemum* ? *ambiguum* Moquin-Tandon, op. cit. 112 (1840).

**S. fruticosa** (L.) Linnaeus, Sp. Pl. ed. 2, 5 (1763).—Beck in Reichenbach, Icon. Fl. Germ. Helv. 24: 164, t. 287 (1909).—Ascherson & Graebner, Syn. Mitteleur. Fl. 5, 1: 187 (1913), cum syn. multis.

*Salicornia europaea* β. *fruticosa* Linnaeus, Sp. Pl. 3 (1753).

*Halocnemum fruticosum* A. Dietrich, Sp. Pl. 1: 88 (1831).

*Arthrocnemum fruticosum* Moquin-Tandon, Chenopod. Monog. Enum. 111 (1840).

*Salicornia lignosa* Woods in Proc. Linn. Soc. Lond. 2: 111 (1851).

Fam. **CARYOPHYLLACEAE****CARYOPHYLLACEAE** Reichenbach, Consp. Reg. Veg. 206 (1828), p. p. typ.; nom. subnud.; Handb. Nat. Pflanzensyst. 296 (1837), p. p. typ.—Ascherson & Graebner, Ill. Fl. Mitteleur. 5, 1: 446 (1915).

*Caryophylleae* Jussieu, Gen. Pl. 299 (1789).—Bentham & Hooker f., Gen. Pl. 1: 141 (1862).

*Illecebreae* R. Brown, Prodr. Fl. Nov. Holl. 413 (1810).

*Paronychieae* Jussieu in Mém. Mus. Hist. Nat. Paris, 2: 386 (1815).

*Scleranthae* Link, Enum. Pl. Hort. Berol. 1: 417 (1821).

*Sileneae* Bartling, Ord. Nat. Pl. 305 (1830).

*Paronychiaceae* Horaninov, Prim. Lin. Syst. Nat. 86 (1834).—Drude in A. Schenk, Handb. Bot. 3, 2: 395 (1887).

*Stellariaceae* Horaninov, op. cit. 93 (1834).

*Illecebreaceae* Gray, Bot. Textb. 237 (1842).—Lindley, Veg. Kingd. 499 (1846).—Bentham & Hooker f., Gen. Pl. 3: 12 (1880).

*Scleranthaceae* Lindley, op. cit. 528 (1846).



- Caryophyllaceae* subord. *Illecebreae* Gray, *Introd. Struct. Syst. Bot.* ed. 5, 396 (1858).  
*Dianthaceae* Drude in A. Schenk, *Handb. Bot.* **3**: 395 (1887).
- SILENE** Linnaeus, *Sp. Pl.* 416 (1753); *Gen. Pl.* ed. 5, 193, no. 503 (1754). — Bentham & Hooker f., *Gen. Pl.* **1**: 147 (1862).  
 LECTOTYPUS: *S. gallica* L.
- S. chloraefolia** Smith, *Pl. Icon. Ined.* **1**: t. 13 (1789). — Shishkin in Komarov, *Fl. S. S. S. R.* **6**: 640 (1936) "*chlorifolia*".
- S. fruticosa** Linnaeus, *Sp. Pl.* 416 (1753). — Schneider, *Ill. Handb. Laubh.* **1**: 268, fig. 178g-n<sup>1</sup> (1904).  
*Silene carnea* Salisbury, *Prodr. Stirp. Chap. Allert.* 301 (1796).
- S. Tanakae** Maximowicz in *Bull. Acad. Sci. St. Pétersb.* **32**: 481 (1888).
- PARONYCHIA** Adanson, *Fam. Pl.* **2**: 272 (1763). — Lamarck, *Fl. Franç.* **3**: 229 (1778). — Jussieu in *Mém. Mus. Nat. Hist. Paris*, **2**: 389 (1815). — Bentham & Hooker f., *Gen. Pl.* **3**: 15 (1880).  
*Plottzia* Arnott ex Lindley, *Introd. Nat. Syst. Bot.* ed. 2, 441 (1836).  
*Buinalis* Rafinesque, *New Fl. N. Am.* **4**: 40 [1838].  
 LECTOTYPUS: *Illecebrum Paronychia* L. = *P. argentea* Lam.
- P. Jamesii** Torrey & Gray, *Fl. N. Am.* **1**: 178 (1838). — Britton & Brown, *Ill. Fl. N. U. S.* **2**: 39, fig. 1520 (1897).
- ACANTHOPHYLLUM** C. A. Meyer, *Verz. Pflanz. Cauc.* 210 (1831). — Bentham & Hooker f., *Gen. Pl.* **1**: 145 (1862).  
 TYPUS: *A. mucronatum* C. A. Mey.
- A. pungens** (Bge.) Boissier, *Fl. Or.* **1**: 561 (1867). — Shishkin in Komarov, *Fl. S. S. S. R.* **6**: 784, t. 49, fig. 3 (1936).  
*Saponaria pungens* Bunge in Ledebour, *Icon. Pl. Fl. Ross.* **1**: t. 4 (1829); *Fl. Alt.* **2**: 133 (1830).  
*Acanthophyllum spinosum* C. A. Meyer, *Verz. Pflanz. Cauc.* 210 (1831). — Ledebour, *Fl. Ross.* **1**: 333 (1842), non *Dianthus spinosus* Desfontaines (1802).
- Fam. RANUNCULACEAE**
- RANUNCULACEAE** Jussieu, *Gen. Pl.* 231 (1789). — De Candolle, *Prodr.* **1**: 2–66 (1825). — Bentham & Hooker f., *Gen. Pl.* **1**: 1 (1862).  
*Ranunculeae* Necker in *Act. Acad. Elect. Sci. Theod.-Palat.* **2**: 482 (1770), nom. subnud.  
*Ranunculaceae* 1. *Clematideae*, 7. *Xanthorrhizeae*, 8. *Paeoniaceae* Berchtold & Presl, *Pfiroz. Rostlin.* **1**: sign. 16, p. 1 (1823).  
*Ranunculaceae* trib. *Paeoniaceae* De Candolle, *Prodr.* **1**: 64 (1824).  
*Paeoniaceae* Bartling, *Ord. Nat. Pl.* 251 (1830). — Horaninov, *Char. Ess. Fam. Reg. Veg.* 173 (1847), p. p. typ. — Pfeiffer, *Synon. Bot.* 261 (1870). — Worsdell in *Jour. Bot.* **46**: 116 (1908); in *Ann. Bot.* **22**: 663 (1908).  
*Paeoniaceae* trib. *Ranunculariae* ad *Clematideae* Horaninov, l. c. (1847). —  
*Paeoniaceae* trib. *Ranunculariae* bd. *Paeoniaceae* Horaninov, op. cit. 174 (1847).
- PAEONIA** Linnaeus, *Sp. Pl.* 530 (1753); *Gen. Pl.* 235, no. 600 (1754). — Berchtold & Presl, *Pfiroz. Rostlin.* **1**: sign. 52, p. 146 (1823) "*Poeonia*". — Bentham & Hooker f., *Gen. Pl.* **1**: 10 (1862). — Huth in *Bot. Jahrb.* **14**: 258–276 (*Monog. Paeon.*) (1892).  
 LECTOTYPUS: *P. officinalis* L.
- P. suffruticosa** Andrews, *Bot. Repos.* **6**: t. 373 (1804), sensu lato. — Rehder & Wilson in Sargent, *Pl. Wilson.* **1**: 319 (1913).  
 ["Mou-tan" in [Charles Batteux], *Mém. Concern. Hist. Sci. Arts Chinois*, **3**: 461 (1778).]  
*Paeonia officinalis* sensu Thunberg, *Fl. Jap.* 230 (1784). — Loureiro, *Fl. Cochinch.* 343 (1790). — Non Linnaeus (1753).  
*Paeonia arborea* Donn, *Hort. Cantab.* ed. 3, 102 (1804), nom. — K. Koch, *Dendr.* **1**: 444 (1869).  
*Paeonia Moutan* Sims in *Bot. Mag.* **29**: t. 1154 (1809), sensu lato. — Anderson in *Trans. Linn. Soc. Lond.* **12**: 252 (*Monog. Paeon.*) (1818). — Ascherson, *Fl. Prov. Brandenb.* **1**: 24 (1864) "*Mutan*". — Huth in *Bot. Jahrb.* **14**: 272 (1892). — Ascherson & Graebner, *Syn. Mitteleur. Fl.* **5**: 2: 558 (1923) "*mutan*".  
*Paeonia fruticosa* Dumont de Courset, *Bot. Cult.* ed. 2, **4**: 462 (1811).  
*Paeonia frutescens* W. E. S. ex Link, *Enum. Hort. Berol.* **2**: 77 (1822), pro syn.
- P. suffruticosa** var. *spontanea* Rehder in *Jour. Arnold Arb.* **1**: 193 (1920).
- P. suffruticosa** f. *papaveracea* (Andr.), grad. nov.  
*Paeonia papaveracea* Andrews, *Bot. Repos.* **7**: 463 (1807).  
 ?*Paeonia suffruticosa* var. *papaveracea* J. S. Kerner, *Hort. Semperv.* t. 473 (1816), ex *Index Londin.*  
*Paeonia Moutan* a. *papaveracea* G. Anderson in *Trans. Linn. Soc. Lond.* **12**: 254 (1818). — Sims in *Bot. Mag.* **47**: t. 2175 (1820).  
*Paeonia arborea* (f.) b. *papaveracea* Voss, *Vilmor. Blumengärt.* **1**: 41 (1874). — Schelle in Beissner et al., *Handb. Laubh.-Ben.* 103 (1903). — Schneider, *Ill. Handb. Laubh.* **1**: 271, fig. 180 (1904) "var."  
*Paeonia suffruticosa* var. *papaveracea* (Andr.) L. H. Bailey in *Rhodora*, **18**: 156 (1916).
- P. suffruticosa** f. *rosea* (G. Anders.), grad. nov.  
*Paeonia suffruticosa* Andrews, *Bot. Repos.* **6**: t. 373 (1804), sensu stricto.  
*Paeonia Moutan* γ. *rosea* G. Anderson in *Trans. Linn. Soc. Lond.* **12**: 255 (1818). — Loddiges, *Bot. Cab.* **11**: t. 1035 (1825) "*P. M. r.*".  
*Paeonia Moutan rosea semiplena* Sabine in *Trans. Hort. Soc. Lond.* **6**: 476 (1826). — Loudon, *Arb. Brit.* **1**: 251 (1838) "var."  
*Paeonia Moutan rosea plena* Sabine in op. cit. 477 (1826). — Loudon, l. c. (1838) "var."  
*Paeonia papaveracea* var. *rosea* Noisette in *Ann. Fl. Pomone*, **1834–35**: 63, t. (1834).  
*Paeonia suffruticosa* var. *rosea* (Lodd.) Bailey in *Rhodora*, **18**: 156 (1916).
- P. suffruticosa** f. *Banksii* (G. Anders.), grad. nov.  
*Paeonia suffruticosa* var. *flore purpureo* Andrews, *Bot. Repos.* **7**: t. 448 (1806).  
*Paeonia moutan* β. *Banksii* G. Anderson in *Trans. Linn. Soc. Lond.* **12**: 255 (1818).  
*Paeonia Moutan* Sims in *Bot. Mag.* **29**: t. 1154 (1809), sensu stricto.  
*Paeonia suffruticosa* var. *Banksii* (Hort.) Bailey in *Rhodora*, **18**: 156 (1916).

**Paeonia** (*continued*)

**P. suffruticosa** f. **Anneslei** (Sabine) Rehder in Jour. Arnold Arb. 1: 194 (1920).

*Paeonia Moutan Anneslei* Sabine in Trans. Hort. Soc. Lond. 6: 482, t. 7 (1826).

**P. Delavayi** Franchet in Bull. Soc. Bot. France, 33: 382 (1886).—Finet & Gagnepain in Bull. Soc. Bot. France, 51: 524 (1904); Contr. Fl. As. Or. 1: 22 (1905).

**P. Delavayi** var. **angustiloba** Rehder & Wilson in Sargent, Pl. Wilson. 1: 318 (1913).

**P. lutea** Franchet in Bull. Soc. Bot. France, 33: 382 (1886).—Hsia in Jour. Bot. Soc. China, 3: 1166, t. (1936).

*Paeonia Delavayi* var. *lutea* Finet & Gagnepain in Bull. Soc. Bot. France, 51: 524 (1904); Contr. Fl. As. Or. 1: 22 (1905).

**P. lutea** f. **superba** (Lemoine), grad. nov.

*Paeonia lutea superba* Lemoine, Cat. no. 160: VIII (1905).

**P. Lemoinei** (*P. lutea* × *suffruticosa*) Rehder in Jour. Arnold Arb. 1: 194 (1920).

*Paeonia* "L'Espérance" Lemoine & fils, Cat. no. 173: vii (1909).

*Paeonia* "La Lorraine" Lemoine & fils, Cat. no. 182: t. (1912).

**XANTHORHIZA** Marshall, Arbust. Am. 167 (1785).—Bentham & Hooker f., Gen. Pl. 1: 9 (1862).

*Zanthorhiza* L'Héritier, Stirp. Nov. 79 [1788].—Willdenow, Sp. Pl. 1: 1568 (1798).

TYPE: *X. simplicissima* Marsh.

**X. simplicissima** Marshall, Arbust. Am. 168 (1785).—Schreber, Gen. Pl. (ed. 8), 727 (1791).—Sprague in Kew Bull. 1929: 236 (1929).

*Zanthoxylum apifolium* C. F. Ludwig, Neu. Wilde Baumz. 56 (1783), nom.

*Zanthorhiza apiifolia* L'Héritier, Stirp. Nov. 79, t. 38 (1788).—Guimpel, Otto & Hayne, Abb. Fremd. Holz. 154, t. 129 (1825) "*Xanthorhiza*".—Britton & Brown, Ill. Fl. N. U. S. 2: 55, fig. 1553 (1897) "*Xanthorrhiza*".

**CLEMATIS** Linnaeus, Sp. Pl. 543 (1753); Gen. Pl. 242, no. 616 (1754).—Bentham & Hooker f., Gen. Pl. 1: 3 (1862).—Kuntze in Verh. Bot. Ver. Brandenb. 26 (Abh.): 83–202, 1 fig. (Monog. Clemat.) (1885).

*Clematilis* Moench, Meth. Pl. 296 (1794).

Sect. 1. **VIORNA** (Reichenb.) Prantl in Bot. Jahrb. 9: 258 (1888), p. p.—Erickson in Ann. Missouri Bot. Gard. 30: 12 (1943).

*Clematis* sect. *Cheiroopsis* De Candolle, Reg. Veg. Syst. 1: 162 (1818), p. p.

*Viorna* Reichenbach, Handb. Gewächsk. 277 (1837).—Spach, Hist. Nat. Vég. Phan. 7: 260 (1839).

*Clematis* sect. *Clematis* J. F. James in Jour. Cincinnati Soc. Nat. Hist. 6: 119 (1883), p. p.

Ser. 1. **CRISPAE** Prantl in Bot. Jahrb. 9: 258 (1888) "3. C."—Schneider, Ill. Handb. Laubh. 1: 275 (1905) "subsect. C."—Rehder & Wilson in Sargent, Pl. Wilson. 1: 319 (1913).

*Viorna* sect. *Euviorna* Spach, Hist. Nat. Vég. Phan. 7: 269 (1839).

*Viorna* sect. *Viornium* Spach, op. cit. 270 (1839).

*Clematis* sect. *Viorna* subsect. *Euviorna* Koehne, Deutsche Dendr. 158 (1893).

*Clematis* sect. *Viorna* subsect. *Euscandentes* Koehne, l. c. (1893), p. p.

**C. integrifolia** Linnaeus, Sp. Pl. 544 (1753).—Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 66 (1935).

*Clematis nutans* Crantz, Stirp. Austr. 110 (1763); ed. 2, 127 (1769).

*Clematis inclinata* Scopoli, Fl. Carniol. ed. 2, 1: 387 (1772).

*Clematis integrifolia* Moench, Meth. Pl. 296 (1794).

*Clematis elongata* Trattinnick, Ausgem. Taf. Arch. Gewächsk. 2: t. 149 (1813); Archiv. Gewächsk. 2: t. 178 (1814).

*Viorna integrifolia* Spach, Hist. Nat. Vég. Phan. 7: 271 (1839).

*Clematis integrifolia* a. *pratensis* Neilreich, Fl. Nieder-Oester. 668 (1859).

*Clematis integrifolia* δ. *normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26 (Abh.): 177 (Monog. Clemat.) (1885).

*Clematis integrifolia* a. *typica* Beck, Fl. Nieder-Oester. 1: 411 (1890).

**C. ochroleuca** Aiton, Hort. Kew. 2: 260 (1789).—Britton & Brown, Ill. Fl. N. U. S. 2: 69, fig. 1588 (1897).—Erickson in Ann. Missouri Bot. Gard. 30: 35 (1943), cum syn. multis.—Fernald in Rhodora, 45: 401, t. 776 (1943).

*Clematis sericea* Michaux, Fl. Bor.-Am. 1: 319 (1803).

*Clematis uniflora* Balbis, Cat. Taur. 21 (1810), nom. nud.

*Clematis ovata* Pursh, Fl. Am. Sept. 2: 736 (1814).

*Clematis integrifolia* a. *ochroleuca* (Ait.) Kuntze in Verh. Bot. Ver. Brandenb. 26 (Abh.): 176 (Monog. Clemat.) (1885).

*Clematis integrifolia* β. *ovata* (Pursh) Kuntze in op. cit. 177 (1885).

*Viorna ochroleuca* Small, Fl. Southeast. U. S. 437 (1903).

*Clematis ochroleuca ovata* (Pursh) Wherry in Jour. Washington Acad. Sci. 21: 195 (1931).

*Clematis ochroleuca sericea* (Michx.) Wherry in op. cit. 197 (1931).

*Clematis integrifolia* subsp. β. *C. ochroleuca* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 67 (1935).

**C. albicoma** Wherry in op. cit. 198, fig. (1931).—Fernald in Rhodora, 45: 402, t. 779 (1943).

*Clematis ochroleuca* sensu James in Jour. Cincinnati Soc. Nat. Hist. 6: 120 (1883), p. p.; non Aiton (1789).

*Clematis ovata* sensu Britton & Brown, Ill. Fl. N. U. S. 2: 76, fig. 1589 (1897).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 403 (1908), non Pursh (1814), nec Torrey & Gray (1838).

*Viorna ovata* sensu Small, Fl. Southeast. U. S. 439, 1331 (1903), non *C. o.* Pursh (1814).

*Viorna albicoma* Moldenke in Bull. Torrey Bot. Club, 60: 57 (1933).

**C. crispa** Linnaeus, Sp. Pl. 543 (1753).—Britton & Brown, Ill. Fl. N. U. S. 2: 68, fig. 1583 (1897).—Erickson in Ann. Missouri Bot. Gard. 30: 31 (1943), cum syn. multis.

*Clematilis crispa* Moench, Meth. Pl. 296 (1794).

*Clematis cylindrica* Sims in Bot. Mag. 29: t. 1160 (1809).

*Clematis cordata* Sims in op. cit. 43: t. 1816 (1816).

*Viticella crispa* Berchtold & Presl, Piroz. Rostl. 1 (sign. 19): 11 (1823).

*Clematis Simsii* Sweet, Hort. Brit. 1 (1826).

*Clematis lineariloba* De Candolle, Reg. Veg. Syst. 1: 155 (1818).

*Viorna cylindrica* Spach, Hist. Nat. Vég. Phan. 7: 269 (1839).

- Clematis Viticella* (subsp.) *a. crispa* (L.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 136 (Monog. Clemat.) (1885).—Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 56 (1935) "f. c."
- Viorna crispa* (L.) Small, Fl. Southeast. U. S. 437 (1903).
- Clematis crispa* var. *a. typica* Schneider, Ill. Handb. Laubh. 1: 271 (1904).
- Clematis reticulata* (subsp.) *B. C. cylindrica* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 57 (1935).
- C. Pitcheri** Torrey & Gray, Fl. N. Am. 1: 10 (1838).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 403 (1908).—Erickson in Ann. Missouri Bot. Gard. 30: 25 (1943), cum syn. multis.
- Clematis Simsii* sensu Britton & Brown, Ill. Fl. N. U. S. 2: 68, fig. 1585 (1897), non Sweet (1826).
- Clematis Coloradoensis* Buckley in Proc. Acad. Nat. Sci. Philad. 1861: 448 (1862).
- Clematis Viorna* var. *Pitcheri* J. F. James in Jour. Cincinnati Soc. Nat. Hist. 6: 120 (1883).
- Clematis Simsii a. Pitcheri* (Torr. & Gr.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 135 (Monog. Clemat.) (1885).
- Clematis Simsii* *β. normalis*, Kuntze, l. c. (1885).
- Viorna Simsii* (Sweet) Small, Fl. Southeast. U. S. 438 (1903), p. p.; non *C. Simsii* Sweet (1826).
- C. Pitcheri** var. *Sargentii* (Lav.) K. C. Davis in Bailey, Cycl. Am. Hort. [1]: 333 (1900).
- Clematis Sargentii* Lavallée, Clemat. Grand. Fleurs, 60, t. 18 (1884).
- Clematis Viorna β. reticulata* 4. *Sargentii* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 133 (Monog. Clemat.) (1885).
- Clematis Simsii* var. *Sargentii* Rehder in Mitt. Deutsch. Dendr. Ges. 1913 (22): 255 [1914].
- C. reticulata** Walter, Fl. Carol. 156 (1788).—Hooker f. in Bot. Mag. 107: t. 6574 (1881).
- Clematis Viorna β. reticulata* (Walt.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 133 (Monog. Clemat.) (1885).
- Viorna reticulata* (Walt.) Small, Fl. Southeast. U. S. 438 (1903).
- Viorna subreticulata* Harbison ex Small, op. cit. 438, 1330 (1903).
- C. versicolor** Small in Britton, Man. Fl. U. S. 421 (1901).
- Viorna versicolor* (Small) Small, Fl. Southeast. U. S. 438 (1903).
- Clematis troutbeckiana* Spingarn in Gard. Chron. ser. 3, 94: 310 (1933); in Nat. Hort. Mag. 13: 88, fig. (1934).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 209 (1940).
- C. Viorna** Linnaeus, Sp. Pl. 543 (1753).
- Viorna urnigera* Spach, Hist. Nat. Vég. Phan. 7: 270 (1839).
- Clematis Viorna γ. normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 133 (Monog. Clemat.) (1885).
- Viorna Viorna* (L.) Small, Fl. Southeast. U. S. 438 (1903).
- Viorna Ridgwayi* Standley in Smithsonian. Inst. Misc. Coll. 56,34: 2, t. 1 (1912).
- C. Addisonii** Britton in Mem. Torrey Bot. Club, 2: 11, t. 3 (1890).
- Clematis ovata* sensu Torrey & Gray, Fl. N. Am. 1: 8 (1838), vix Pursh (1814).
- ?*Clematis viornoides* Britton in Mem. Torrey Bot. Club, 2: 42 (1890), nom.; in Britton & Brown, Ill. Fl. N. U. S. 2: 69 (1897), nom.—Erickson in Ann. Missouri Bot. Gard. 30: 18 (1943), pro syn.
- Viorna Addisonii* (Brit.) Small, Fl. Southeast. U. S. 439, 1331 (1903).
- C. divaricata** [*C. integrifolia* × *Viorna*] Jacquin, Ecl. Pl. Rar. 1: t. 33 (1811).
- Clematis integrifolia* var. *pinnata* Rehnelt in Gartenwelt, 14: 562, 2 fig. (1910).
- C. texensis** Buckley in Proc. Acad. Nat. Sci. Philad. 1861: 448 (1862).—Erickson in Ann. Missouri Bot. Gard. 30: 21 (1943).
- Clematis Viorna* var. *coccinea* Gray, Pl. Wright. 2: 7 (1853) (Smithson. Inst. Contrib. Knowl. 4).—Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 133 (1885) "(subsp.) δ."
- Clematis coccinea* Engelmann ex Gray, l. c. (1853), pro syn.—Engelmann ex Hooker f. in Bot. Mag. 107: t. 6954 (1881).
- Clematis Pitcheri* sensu Carrière in Rev. Hort. 1878: 10 (1878), non Torrey & Gray (1838).
- Clematis texensis* var. *typica* et var. *parviflora* Lavallée, Clemat. Grand. Fleurs, 65, t. 19 (1884).
- Clematis Viorna δ. coccinea* 2. *parviflora* et 3. *segreziensis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 133, 134 (Monog. Clemat.) (1885).
- Clematis coloradensis* hort. ex Dippel, Handb. Laubh. 3: 182 (1893), pro syn.; non Buckley (1862).
- Viorna coccinea* (Engelm.) Small, Fl. Southeast. U. S. 438 (1903).
- Clematis coccinea* f. (var.) *parviflora* et f. (var.) *Segreziensis* Beissner et al., Handb. Laubh.-Ben. 108 (1903), nom.
- C. texensis** f. *major* (Bean), grad. nov.
- Clematis coccinea* f. (var.) *major* Beissner in Beissner et al., Handb. Laubh.-Ben. 108 (1903), nom.—Bean, Trees Shrubs Brit. Isl. 1: 357 (1914) "var."
- Clematis texensis* var. *major* Rehder, Man. Cult. Trees Shrubs, 218 (1927).
- C. pseudococcinea** (*C. Jackmani* × *texensis*) Schneider in Wien. Ill. Gartenzeit. 29: 15 (1904); Ill. Handb. Laubh. 1: 279 (1904).
- C. fusca** Turczaninov in Bull. Soc. Nat. Moscou, 1840: 60 (1840).—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 312, t. 20, fig. 8 (1937).
- Clematis kamtschatica* Bongard & Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6, 4 (Bot.): 166 (1845).
- Clematis fusca a. normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 132 (Monog. Clemat.) (1885).
- Clematis Coreana* Léveillé in Bull. Acad. Intern. Géogr. Bot. 11: 298 (1902).
- Clematis fusca* var. *typica* Schneider, Ill. Handb. Laubh. 1: 279 (1904).
- C. fusca** var. *violacea* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 11 (Prim. Fl. Amur.) (1859).
- Clematis Viorna a. violacea* (Maxim.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 133 (Monog. Clemat.) (1885).
- Clematis ianthina* Koehne, Deutsche Dendr. 159 (1893).
- Clematis ianthina* var. *violacea* (Maxim.) Nakai in Jour. Jap. Bot. 12: 847 (1936).
- C. Prattii** Hemsley in Kew Bull. 1892: 82 (1892).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 320 (1913).
- Ser. 2. TUBULOSAE (Decne.) Rehder & Wilson in Sargent, Pl. Wilson. 1: 320 (1913).

**Clematis** Ser. 2 **TUBULOSAE** (continued)

- Clematis* § 1. *Tubulosae* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 4: 203 (1881). — Schneider, Ill. Handb. Laubh. 1: 281 (1905) "sect. *Viorna* subsect. *T*."
- Clematis* sect. *Viorna* subsect. *Escandentes* Koehne, Deutsche Dendr. 158 (1893), p. p.
- C. ranunculoides** Franchet in Bull. Soc. Bot. France, 33: 360 (1886). — Stapf in Bot. Mag. 156: t. 9329 (1933).
- C. heracleaefolia** De Candolle, Reg. Veg. Syst. 1: 138 (1818). — Finet & Gagnepain, Contrib. Fl. As. Or. 1: 31 (1905). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 320 (1913), exclud. var. *Davidiana*. — Rehder, Man. Cult. Trees Shrubs, 219 (1927) "*heracleifolia*."
- Clematis tubulosa* Turczaninov in Bull. Soc. Nat. Moscou, 10, 7: 148 (1837).
- Clematis azurea* hort. ex Turezaninov in op. cit. 27, 2: 272 (1854).
- Clematis Hookeri* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 4: 206, t. 11 (1881).
- Clematis tubulosa* var. *Hookeri* (Decne.) Hooker f. in Bot. Mag. 111: t. 6801 (1885).
- Clematis heracleifolia* a. *normalis* 1. *tubulosa* (Turcz.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 183 (Monog. Clemat.) (1885).
- Clematis heracleifolia* (subsp.) A. C. *tubulosa* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5, 3: 68 (1935).
- Clematis heracleifolia* var. *tubulosa* (Turcz.) Nakai in Jour. Coll. Sci. Tokyo 26, 1: 12 (1909).
- C. heracleaefolia** var. *Davidiana* [Verlot] Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 4 (1886) "*heracleifolia*."
- Clematis Davidiana* Decaisne ex Verlot in Rev. Hort. 1867: 90 (1867). — Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 4: 204, t. 10 (1881).
- Clematis tubulosa* var. *Davidiana* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 165 (Pl. David. 1: 13, 1884) (1882).
- Clematis heracleifolia* (subsp.) β. *Davidiana* (Decne.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 183 (Monog. Clemat.) (1885).
- C. heracleaefolia** var. *ichangensis* Rehder & Wilson in Sargent, Pl. Wilson. 1: 321 (1913) "*heracleifolia*."
- C. stans** Siebold & Zuccarini in Abh. Math.-Nat. Kl. Akad. Wiss. Münch. 4, 2: 177 (Fam. Nat. Fl. Jap. 1: 69) (1846).
- Clematis heracleifolia* (subsp.) γ. *stans* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 183 (Monog. Clemat.) (1885).
- Ser. 3. **CONNATAE** (Koehne) Rehder & Wilson in Sargent, Pl. Wilson. 1: 322 (1913).
- Clematis* sect. *Viorna* subsect. *Connatae* Koehne, Deutsche Dendr. 158 (1895).
- C. connata** De Candolle, Prodr. 1: 4 (1824). — Hooker f., Fl. Brit. Ind. 1: 6 (1872).
- Clematis Buchananiana* DC. (subsp.) β. *connata* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 130 (Monog. Clemat.) (1885).
- Clematis venosa* Royle, Ill. Bot. Himal. 51 [1834].
- Clematis amplexicaulis* Edgeworth in Trans. Linn. Soc. Lond. 20: 24 (1846).
- Clematis gracilis* Edgeworth, l. c. (1846).
- Clematis velutina* Edgeworth in op. cit. 25 (1846).
- C. trullifera** (Franch.) Finet & Gagnepain in Bull. Soc. Bot. France, 50: 547 (1903); Contrib. Fl. As. Or. 1: 32 (1905). — Rehder in Jour. Arnold Arb. 17: 318 (1936).
- Clematis Buchananiana* var. *trullifera* Franchet, Pl. Delavay. 1: 3 (1889).
- Clematis coriigera* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 281 (1913).
- C. Rehderiana** Craib in Kew Bull. 1914: 150 (1914).
- Clematis Buchananiana* sensu Finet & Gagnepain in Bull. Soc. Bot. France, sér. 4, 3: 541 (1903); Contrib. Fl. As. Or. 1: 26 (1905), non De Candolle (1818).
- Clematis nutans* var. *thyrsoides* Rehder & Wilson in Sargent, Pl. Wilson. 1: 324 (1913), exclud. specim. Wilson, Veitch Exp. no. 1422.
- Clematis connata* π. *Rehderiana* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5, 3: 65 (1935).
- C. Veitchiana** Craib in Kew Bull. 1914: 151 (1914).
- Clematis nutans* var. *thyrsoides* Rehder & Wilson in Sargent, Pl. Wilson. 1: 324 (1913), quoad plantam cult. e semin. Wilson no. 1422.
- C. Buchananiana** De Candolle, Reg. Veg. Syst. 1: 140 (1818); Prodr. 1: 4 (1824) "*Buchaniana*". — Wallich, Num. List, 166, no. 4677 [1832], nom. corr. — Hooker f., Fl. Brit. Ind. 1: 6 (1872), p. p. typ.
- Clematis bucamara* var. *Buchan.* ex De Candolle, Reg. Veg. Syst. 1: 140 [1817], pro syn.
- Clematis Buchananiana* D. Don, Prodr. Fl. Nepal. 191 (1825). — Sprengel, Syst. Veg. ed. 16, 2: 668 (1825).
- C. lasiandra** Maximowicz in Bull. Acad. Sci. St. Pétersb. 22: 213 (in Mém. Biol. 9: 586) (1876). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 322 (1913).
- C. acutangula** Hooker f. & Thomson, Fl. Ind. 1: 5 (1855). — Hooker f., Fl. Brit. Ind. 1: 3 (1872).
- C. aethusifolia** Turczaninov in Bull. Soc. Nat. Moscou, 5: 181 (1832). — Krascheninnikov in Komarov, Fl. S. S. S. R. 6: 315, t. 20, fig. 12 (1937).
- Clematis nutans* δ. *aethusifolia* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 129 (Monog. Clemat.) (1885).
- C. aethusifolia** var. *latisepta* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 12 (Prim. Fl. Amur.) (1859).
- Clematis nutans* γ. *latisepta* (Maxim.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 129 (Monog. Clemat.) (1885).
- Clematis latisepta* (Maxim.) Prantl in Bot. Jahrb. 9: 258 (1888).
- Ser. 4. **CIRRHOSAE** Prantl in op. cit. 259 (1888). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 211 (1940).
- Cheiropsis* Berchtold & Presl, Pflanz. Rostl. 1: 11 (1823). — Spach, Hist. Nat. Vég. Phan. 7: 260 (1839), p. p.
- C. cirrhosa** Linnaeus, Sp. Pl. 544 (1753). — Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5, 3: 71 (1935).
- Atragene cirrhosa* Persoon, Syn. Pl. 2: 98 (1807).
- Cheiropsis cirrhosa* Berchtold & Presl, Pflanz. Rostl. 1: 11 (1823).
- Cheiropsis elegans* Spach, Hist. Nat. Vég. Phan. 7: 261 (1839).
- Clematis cirrhosa* δ. *normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 143 (Monog. Clemat.) (1885).
- Clematis calyculata* Hort. ex Schneider, Ill. Handb. Laubh. 2: 909 (1912), pro syn.

- Sect. II. ATRAGENE (L.) De Candolle, Reg. Veg. Syst. 1: 165 (1818).  
*Atragene* Linnaeus, Sp. Pl. 542 (1753); Gen. Pl. 241, no. 615 (1754).—Britton & Brown, Ill. Fl. N. U. S. 2: 71 (1897).—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 307 (1937).  
*Clematis* sect. *Cheiroopsis* De Candolle, Reg. Veg. Syst. 1: 162 (1818), p. p.  
*Cheiroopsis* Spach, Hist. Nat. Vég. Phan. 7: 260 (1839), p. p.  
*Viorna* Reichenbach, Handb. Gewächsk. 277 (1837), p. p.  
*Clematis* sect. *Viorna* 5. *Atragenae* Prantl in Bot. Jahrb. 9: 258 (1888).—Koehne, Deutsche Dendr. 158 (1893) "subsect. *Atragene*."
- C. occidentalis** (Hornem.) De Candolle Prodr. 1: 10 (1824).—Coulter & A. Nelson, New Man. Bot. Rocky Mts. 198 (1909).  
*Atragene americana* Sims in Bot. Mag. 23: t. 887 (1806).—Britton & Brown, Ill. Fl. N. U. S. 2: 71, fig. 1592 (1897).—Non *Clematis americana* Mill. (1768).  
*Atragene occidentalis* Hornemann, Hort. Reg. Bot. Hafn. 2: 520 (1815).—Rydberg in Bull. Torrey Bot. Club, 29: 155 (1902).  
*Clematis verticillaris* De Candolle, Reg. Veg. Syst. 1: 166 [1817].—Robinson in Gray, Syn. Fl. N. Am. 1, 1: 8 (1895).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 211 (1940).  
*Atragene Columbiana* Nuttall in Jour. Acad. Nat. Sci. Philad. 7: 7 (1834).  
*Clematis Columbiana* Torrey & Gray, Fl. N. Am. 1: 10 (1838).  
*Clematis Pseudoatragene* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 160 (Monog. Clemat.) (1885), p. p.  
*Clematis alpina* (subsp.) *a. occidentalis* (Hornem.) 1. *verticillaris* (DC.) et 3. *typica* Kuntze, op. cit. 161 (1885).  
*Clematis verticillaris* var. *Columbiana* Robinson in Gray, Syn. Fl. N. Am. 1, 1: 8 (1895).
- C. koreana** Komarov in Act. Hort. Petrop. 18: 438 (1901).  
*Atragene koreana* Komarov in op. cit. 22: 278, t. 6 (1904).  
*Clematis alpina* var. *koreana* (Kom.) Nakai in Jour. Coll. Sci. Tokyo, 26, 1: 7 (1909), emend.
- C. koreana** f. *lutea* Rehder in Jour. Arnold Arb. 20: 91 (1939).  
*Clematis koreana* sensu Lempert in Gartenschönn. 9: 286, fig. (1928) = *C. k.* Komarov, p. p.  
*Clematis koreana* var. *lutea* [Bean] in Kew Hand-list Trees Shrubs, ed. 4, 68 (1934), nom. nud.
- C. chiisanensis** Nakai in Bot. Mag. Tokyo, 27: 128 (1913), nom.; in Repert. Sp. Nov. Reg. Veg. 13: 270 (1914).—Matsumura, Icon. Pl. Koisikav. 2: 45, t. 107 (1914).
- C. chiisanensis** var. *carunculosa* (Gagnep.) Rehder in Jour. Arnold Arb. 7: 24 (1926).  
*Clematis alpina* var. *carunculosa* Gagnepain in Rev. Hort. 1915: 535, fig. 162 (1915).
- C. alpina** (L.) Miller, Gard. Dict. ed. 8, C. no. 9 (1768).—Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5, 3: 70 (1935).  
*Atragene alpina* Linnaeus, Sp. Pl. 542 (1753).  
*Atragene Clematides* Crantz, Stirp. Austr. 2: 111 (1763).  
*Atragene austriaca* Scopoli, Fl. Carniol. ed. 2, 1: 378 (1772).  
*Clematis Atragene* Kittel, Taschenb. Fl. Deutschl. 467 (1837).
- Atragene alpina* var. *europaea* Spach, Hist. Nat. Vég. Phan. 7: 258 (1839).  
*Atragene speciosa* Weinmann ex Turczaninov in Bull. Soc. Nat. Moscou, 23, 1: 538 (1850).  
*Clematis alpina* (subsp.) *γ. normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 161 (Monog. Clemat.) (1885).—Schneider, Ill. Hand. Laubh. 1: 284 (1904) "var."  
*Clematis alpina a. typica* Beck, Fl. Nied.-Oester. 1: 411 (1890).
- C. alpina** var. *sibirica* (L.) Schneider, Ill. Handb. Laubh. 1: 284 (1904).  
*Atragene sibirica* Linnaeus, Sp. Pl. 542 (1753).—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 308 (1937).  
*Clematis sibirica* Miller, Gard. Dict. ed. 8, C. no. 12 (1768).  
*Atragene alpina* 2. *sibirica* (L.) Kirchner in Petzold & Kirchner, Arb. Muscav. 128 (1864).  
*Clematis alpina* (subsp.) *δ. sibirica* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 162 (Monog. Clemat.) (1885).  
*Clematis alpina* var. *alba* Hort. ex K. C. Davis in Bailey, Cycl. Am. Hort. [1]: 333 (1900).
- C. pseudoalpina** (Ktze.) J. M. Coulter & A. Nelson, New Man. Bot. Rocky Mts. 198 (1909).  
*Clematis alpina* var. *occidentalis* Gray in Powell, Geol. Surv. Rep. Dakota, 531 (1880).  
*Clematis Pseudoatragene γ. pseudoalpina* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 160 (Monog. Clemat.) (1885).  
*Atragene pseudoalpina* Rydberg in Bull. Torrey Bot. Club, 29: 157 (1902).
- C. macropetala** Ledebour, Icon. Pl. Fl. Ross. 1: 5, t. 11 (1829).—Stapf in Bot. Mag. 152: t. 9142 (1928).  
*Clematis alpina* var. *macropetala* Finet & Gagnepain in Bull. Soc. Bot. France, 50: 552 (1903); Contrib. Fl. As. Or. 1: 37 (1905).  
*Atragene macropetala* Ledebour, Fl. Alt. 2: 376 (1830).—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 308 (1937).
- C. macropetala** f. *Markhamii* (Markham), grad. nov.  
*Clematis macropetala* Markham's Pink in Jour. Hort. Soc. Lond. 60: 175 (1935).  
*Clematis macropetala* var. *Markhamii* Markham, Clematis, 94 (1935).
- Sect. III. VITICELLA (Moench) De Candolle, Reg. Veg. Syst. 1: 160 [1817]; Prodr. 1: 8 (1824).—Prantl in Bot. Jahrb. 9: 259 (1888).  
*Viticella* Moench, Meth. Pl. 296 (1784).  
*Sieboldia* Hoffmannsegg. Preisverz. Nachtr. 22 (1842); Linnaea, 16 (Litt.): 281 (1842).  
*Atrichlema* Nieuwland in Am. Midland Nat. 3: 156 (1913), nom. event.
- C. Viticella** Linnaeus, Sp. Pl. 543 (1753).—Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5, 3: 55 (1935).  
*Viticella deltoidea* Moench, Meth. Pl. 297 (1794).  
*Clematis lugubris* Salisbury, Prodr. Stirp. Chap. Allert. 371 (1796).  
*Clematis Viticella* subsp. *β. normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 136 (Monog. Clemat.) (1885).—Schneider, Ill. Handb. Laubh. 1: 285 (1904) "var. *a. n.*"  
*Sieboldia Viticella* Nieuwland in Am. Midland. Nat. 3: 156 (1913), nom. event.

*Clematis* (continued)

- C. Viticella** f. *albiflora* (Kuntze) Schneider, Ill. Handb. Laubh. 1: 285 (1904). — Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 56 (1935) "lus."
- Clematis Viticella alba* Hartwig & Heinemann, Clematis, 99 (1880). — Bean, Trees Shrubs Brit. Isl. 1: 369 (1914) "var." — J. L. Russell in Jour. Hort. Soc. Lond. 58: 380, 385, fig. 127 (1933), nom. — Non Carrière in Rev. Hort. 1878: 279 (1878).
- Clematis Viticella* β. *normalis* 2.g. *albiflora* Hort. ex Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 137 (Monog. Clemat.) (1885).
- C. Viticella** f. *purpurea* (Loud.), grad. nov.
- Clematis Viticella* var. 2. *purpurea* Loudon, Arb. Brit. 1: 241 (1838).
- ?*Clematis Viticella* var. *rubra grandiflora* Bean, Trees Shrubs Gt. Brit. 1: 369 (1914), vix Kuntze (1885).
- C. Viticella** f. *kermesina* (Hartwig), grad. nov.
- Clematis Viticella* var. *kermesina* (hort.) Hartwig, Ill. Gehölzb. ed. 2, 116 (1892).
- C. Viticella** f. *coerulea* (Loud.), grad. nov.
- Clematis Viticella* var. 1. *coerulea* Loudon, Arb. Brit. 1: 241 (1838).
- C. Viticella** f. *multiplex* (G. Don), grad. nov.
- Clematis pulchella* Persoon, Syn. Pl. 2: 99 (1807).
- Clematis Viticella* \*fl. pleno De Candolle, Reg. Veg. Syst. 1: 161 [1817].
- Clematis Viticella* var. β. *multiplex* G. Don, Gen. Hist. Dichlam. Pl. 1: 9 (1831). — Loudon, Arb. Brit. 1: 241 (1838).
- Clematis Viticella* (f.) *plena* Beissner in Beissner et al., Handb. Laubh.-Ben. 187 (1903).
- Clematis Viticella* var. *pulchella* Jäger, Ziergeh. 167 (1865). — Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 56 (1935) "lus".
- C. Viticella** f. *nana* (Carr.), grad. nov.
- Clematis Viticella nana* Carrière in Rev. Hort. 1869: 307 (1869). — Schneider, Ill. Handb. Laubh. 1: 285 (1904) "var."
- C. eriostemon** [*C. integrifolia* × *Viticella*] Decaisne in Rev. Hort. sér. 4, 1: 341, t. (1852).
- Clematis diversifolia* De Candolle, Reg. Veg. Syst. 1: 155 [1817]. — Delessert, Icon. Sel. 1: 1, t. 4 (1820). — Non Gilbert (1792).
- Clematis cylindrica* var. *Hendersonii* K. Koch in Index Sem. Hort. Bot. Berol. [1855]: appx. 16 (1855).
- Clematis Hendersonii* hort. ex K. Koch, Dendr. 1: 434 (1869), pro syn.
- Clematis integrifolia* var. *heterophylla* Regel in Index Sem. Hort. Bot. Petrop. 1865: 61 (1866); 1867: 35 (1868).
- Clematis intermedia* Carrière in Rev. Hort. 1866: 339 (1866). — ?Bonamy ex Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 187 (Monog. Clemat.) (1885), pro syn.
- Clematis Bergeroni* Lavallée, Clémat. Grand. Fleurs, 35, t. 10 (1884).
- Clematis Chandleri* hort. ex Lavallée, op. cit. 40 (1884), pro syn.
- Clematis cylindrica* sensu Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 186 (Monog. Clemat.) (1885), vix Sims (1809).
- Clematis cylindrica* 3. *eriostemon* Kuntze in op. cit. 187 (1885).
- Clematis viticella* × *integrifolia* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 69 (1935).
- C. francfurtensis** [*C. florida* × *Viticella*] Rinz ex K. Koch, Dendr. 1: 431 (1869) "*C. Viticella* × ?*patens*".
- Clematis Viticella venosa* Krampen ex Carrière in Rev. Hort. 1860: 184, fig. 38 (1860).
- Clematis florida* var. *venosa* Lavallée, Clémat. Grand. Fleurs, 18, t. 6 (1884).
- Clematis Guascoi* sensu Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 184 (Monog. Clemat.) (1885), p. p.; non Lemaire (1857).
- Clematis venosa* (Carr.) K. Koch, Dendr. 1: 431 (1869), pro syn. — Schneider, Ill. Handb. Laubh. 1: 286 (1904). — Non Royle (1842).
- Clematis florida* × *viticella* b. *venosa* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 57 (1935).
- C. Guascoi** [*C. patens* × *Viticella*] Lemaire in Ill. Hort. 4: t. 117 (1857) "*C. coerulea* ♀ × *Viticella*". — Anon. in Jour. Hort. Prat. Belg., n. ser., 1: 195, t. 18 (1857). — Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 184 (Monog. Clemat.) (1885), p. p.
- Clematis caerulea* var. *Guascoi* Anon. in Belg. Hort. 7: 226, t. (1857).
- Clematis francfurtensis* Hort. ex Lavallée, Clémat. Grand. Fleurs, 25, t. 7bis (1884), "*C. viticella* × *hakonensis*", pro syn.; non Rinz ex K. Koch (1869).
- C. campaniflora** Brotero, Fl. Lusit. 2: 359 (1804).
- Viticella campaniflora* Berchtold & Presl, Pflanz. Rostl. 1: (sign. 19) 11 (1823). — Spach, Hist. Nat. Vég. Phan. 7: 266 (1839).
- Clematis parviflora* De Candolle in Mém. Soc. Phys. Hist. Nat. Genève, 1: 433 (1823); Prodr. 1: 9 (1824).
- Clematis Viticella* var. *campaniflora* Willkomm & Lange, Prodr. Fl. Hisp. 3: 954 (1880). — Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 137 (Monog. Clemat.) (1885) "(subsp.) e.". — Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 56 (1937) "b. n."
- C. Jackmani** (*C. lanuginosa* × *Viticella*) Th. Moore in Proc. Hort. Soc. Lond. 3: 364 (1863); in Flor. & Pomol. 1864: 193, t. (1865). — Lemaire in Ill. Hort. 11: t. 414 (1864).
- Clematis hybrida splendida* Barral in Rev. Hort. 1865: 70, t. (1865).
- Clematis splendida* Simon-Louis ex Barral, l. c. (1865), pro syn.
- ?*Clematis hakonensis* Lavallée, Clémat. Grand. Fleurs, 9, t. 4 (1884).
- Clematis Guascoi* sensu Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 184 (Monog. Clemat.) (1885), p. p.; non Lemaire (1857).
- C. Durandi** [*C. integrifolia* × *Jackmani*] Durand ex Kuntze in op. cit. 186 (1885) "*C. florida* × *integrifolia*".
- Clematis integrifolia Durandi* hort. ex Kuntze, l. c. (1885), pro syn.
- Clematis integrifolia semperflorens* hort. ex Kuntze in op. cit. 186 (1885), pro syn.
- C. florida** Thunberg, Fl. Jap. 240 (1784). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 325 (1913). — Merrill in Jour. Arnold Arb. 19: 338 (1938).
- Anemone japonica* Houttuyn, Natuurl. Hist. II. 9: 191, t. 55, fig. 1 (1778), sine descr. — [Christmann in Christmann & Panzer], Pflanzensyst. 7: Verzeich. Kupfertaf. [2], t. 55, fig. 1 (1781) "*Anemone* oder *Anemonoides*".
- Atragene indica* Desfontaines, Tabl. École Bot. Mus. Paris, 123 (1804).
- Atragene florida* Persoon, Syn. Pl. 2: 98 (1807).

- Viticella florida* Berchtold & Presl, Přiroz. Rostl. 1: (sign. 18) 10 (1823).
- Clematis anemonoides* Houttuyn ex Lavallée, Clém. Grand. Fleurs, 16 (1884), pro syn.
- Clematis florida* a. *normalis* Kuntze in Verh. Bot. Ver. Prov. Brandenb. 26(Abh.): 149 (Monog. Clemat.) (1885).
- Clematis japonica* Houtt. ex Makino in Bot. Mag. Tokyo, 26: 81 (1912), non Thunberg (1784).
- C. florida** f. *Sieboldii* (D. Don), grad. nov.
- Clematis florida* var.  $\gamma$ . *Sieboldii* D. Don in Sweet, Brit. Fl. Gard. n. ser., 4: t. 396 [1837]. — Steudel, Nomencl. Bot. ed. 2, 1: 379 (1841) "*\beta*. *C. Sieboldii*".
- Clematis Sieboldii* Paxton in Paxton's Mag. Bot. 4: 147, t. (1838).
- Clematis florida* var. *bicolor* Lindley in Bot. Reg. 24: t. 25 (1838).
- Clematis bicolor* Bot. Mag. ex Steudel, Nomencl. Bot. ed. 2, 1: 379 (1841), pro syn.
- C. florida** f. *plena* (D. Don), grad. nov.
- Clematis florida* Jacquin, Pl. Rar. Schoenbr. 3: 57, t. 357 (1798), non Thunberg (1784).
- Clematis florida* var.  $\beta$ . *\beta*. *pleno* G. Don, Gen. Hist. Dichlam. Pl. 1: 9 (1831).
- Clematis florida*  $\beta$ . *plena* D. Don in Sweet, Brit. Fl. Gard. ser. 2, 4: t. 396, in textu (1837).
- C. patens** Morren & Decaisne in Bull. Acad. Sci. Belg. 3: 173 (1836). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 22: 222 (in Mém. Biol. 9: 599) (1877). — Finet & Gagnepain in Bull. Soc. Bot. France, 50: 552 (1903); Contrib. Fl. As. Or. 1: 37 (1905).
- Clematis coerulea* Lindley in Bot. Reg. 23: t. 1955 (1837).
- Clematis azurea* [hort.] ex Th. Moore & Jackman, Clematis, ed. 2, 111 (1877), pro syn.; non Turczaninov (1854).
- C. patens** f. *grandiflora* (Hook.), grad. nov.
- Clematis caerulea*  $\beta$ . *grandiflora* Hooker in Bot. Mag. 69: t. 3983 (1843).
- Clematis patens* var. *grandiflora* Davis ex Rehder in Bailey, Stand. Cycl. Hort. 2: 794 (1914).
- C. patens** f. *Standishii* [Th. Moore], grad. nov.
- Clematis florida* var. *Standishii* Th. Moore in Proc. Hort. Soc. Lond. 3: 227, 280 (1863).
- Clematis Standishii* Van Houtte in Fl. des Serr. 16: 39 (1865), pro syn. — Th. Moore in Moore & Jackman, Clematis, 143 (1872).
- Clematis patens* e. *Standishii* Regel in Index Sem. Hort. Petrop. Suppl. 1867: 35 (1868). — Rehder in Bailey, Stand. Cycl. Hort. 2: 794 (1914); in Jour. Arnold Arb. 1: 194 (1920) "var."
- C. patens** f. *Fortunei* (Th. Moore), grad. nov.
- Clematis Fortunei* Th. Moore in Proc. Hort. Soc. Lond. 3: 227, 279 (1863); in Gard. Chron. 1863: 460, 676, fig. (1863). — L. van Houtte in Fl. des Serr. 15: 103, t. 1553 (1864) "*Fortunei*".
- Clematis patens*  $\xi$ . *Fortunei* Regel in Index Sem. Hort. Petrop. Suppl. 1867: 35 (1868). — Rehder, Man. Cult. Trees Shrubs, 223 (1927) "var."
- Clematis florida* lus. *Fortunei* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 54 (1935).
- C. lanuginosa** Lindley in Paxton's Flow. Gard. 3: 107, t. 94 (1853). — Schneider Ill. Handb. Laubh. 1: 286, fig. 188a-c (1904).
- C. Lawsoniana** [*C. lanuginosa*  $\times$  *patens*] Moore & Jackman, Clematis, 99 (1872). — Anderson-Henry ex Rehder in Bailey, Stand. Cycl. Hort. 2: 794, fig. 989 (1914); in Mitt. Deutsch. Dendr. Ges. 1915(24): 219 [1916].
- C. Lawsoniana** var. *Symesiana* (Anderson-Henry) Rehder, l. c. (1914); l. c. [1916].
- Clematis Symesiana* Anderson-Henry ex K. C. Davis in Bailey, Cycl. Am. Hort. [1]: 300 (1900).
- C. Lawsoniana** var. *Henryi* (Anderson-Henry) Rehder in Bailey, Stand. Cycl. Hort. 2: 794, fig. 988 (1914); in Mitt. Deutsch. Dendr. Ges. 1915(24): 210 (1916).
- Clematis Henryi* Anderson-Henry ex K. C. Davis in Bailey, Cycl. Am. Hort. [1]: 330 (1900). — W. Watson in Gard. Chron. ser. 3, 58: 112, fig. 37 (1915). — Non Oliver (1889).
- C. Lawsoniana** var. *Gablenzii* (Courtin) Rehder, Man. Cult. Trees Shrubs, 224 (1927).
- Clematis patens* *Gablenzii* Courtin in Ill. Garten-Zeit. 14: 80, t. 6 (1870).
- Clematis Gablenzii* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 219 (1916).
- Sect. iv. FLAMMULA De Candolle, Reg. Veg. Syst. 1: 133 [1817]. — Prantl in Nat. Pflanzenfam. 2: 63 (1888), emend.
- Clematis* sect. *Clematis* J. F. James in Jour. Cincinnati Soc. Nat. Hist. 6: 119 (1883), p. p.
- Ser. 1. MONTANAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 214 (1940).
- Clematis* sect. *Flammula* subsect. *Montanae* Schneider, Ill. Handb. Laubh. 1: 290 (1904).
- C. montana** Buchanan-Hamilton ex De Candolle, Reg. Veg. Syst. 1: 164 [1817]. — Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 141 (Monog. Clemat.) (1885). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 332 (1913).
- Clematis anemoniflora* D. Don, Prodr. Fl. Nepal. 192 (1825).
- Clematis Punduana* Wallich, Num. List, no. 4682 [1832], nom.
- Anemone curta* Wallich, op. cit. no. 4690 [1832], nom.
- Clematis montana*  $\delta$ . *normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 141 (Monog. Clemat.) (1885).
- Clematis Kuntziana* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. 11: 171 (1902).
- C. montana** f. *grandiflora* (Hooker), grad. nov.
- Clematis montana* var. *grandiflora* Hooker in Bot. Mag. 70: t. 4061 (1844).
- Clematis montana*  $\delta$ . *normalis*  $\gamma$ . *anemoniflora* (Don) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 141 (Monog. Clemat.) (1885). — Schneider, Ill. Handb. Laubh. 1: 290 (1904).
- C. montana** f. *rubens* (Kuntze), grad. nov.
- Clematis montana* subsp.  $\delta$ . *normalis* 10. *rubens* Kuntze in op. cit. 142 (1885). — Wilson in Flora & Sylva, 3: 252, t. (1905) "var."
- C. montana** f. *lilacina* (Lemoine), grad. nov.
- Clematis montana* *lilacina* Lemoine, Cat. 174: 27 (1910).
- C. montana** var. *Wilsonii* Sprague in Bot. Mag. 137: t. 8365 (1910). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 333 (1913).
- Clematis repens* Veitch, Novelt. 1908-9: 4, fig. (1908); non Finet & Gagnepain (1903).



**Clematis** (continued)

- C. vedrariensis** (*C. chrysocoma* × *montana*) Vilmorin in Jour. Soc. Hort. France, sér. 4, **15**: 385 (1914, July).  
*Clematis verrieriensis* Hort. Vilmor. ex Gard. Chron. ser. 3, **55**: 393, fig. 179 (1914, June 6), descr. et fig. mancae.
- C. vedrariensis** var. *rosea* (Mottet) Rehder in Jour. Arnold Arb. **7**: 148 (1926).  
*Clematis Spooneri rosea* Mottet in Rev. Hort. **1922**: 214, t. (1922); Arb. Arbust. Orn. 27 (1925).
- C. chrysocoma** Franchet in Bull. Soc. Bot. France, **33**: 362 (1886).—Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 525 (1903); Contr. Fl. As. Or. **1**: 10 (1905).
- C. chrysocoma** var. *sericea* (Finet & Gagnep.) Schneider in Bot. Gaz. **63**: 516 (1917).  
*Clematis montana* var. *sericea* Franchet ex Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 525 (1903); Contr. Fl. As. Or. **1**: 10 (1905).  
*Clematis Spooneri* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 334 (1913).
- C. gracilifolia** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 331 (1913).  
Ser. 2. RECTAE Prantl in Bot. Jahrb. **9**: 250 (1888) "9. R."—Schneider, Ill. Handb. Laubh. **1**: 288 (1904) "subsect."
- C. Armandi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 184, t. 2 (Pl. David. **2**: 2. 1888) (1885).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 326 (1913).—Rehder in Jour. Arnold Arb. **20**: 89 (1939).  
*Clematis hedysarifolia* γ. *Armandi* Franchet, p. sp. in mscr. ex Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 151 (Monog. Clemat.) (1885).
- C. Armandi** var. *Biondiana* (Pavol.) Rehder in Jour. Arnold Arb. **20**: 90 (1939).  
*Clematis Armandi* sensu Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 526 (1903); Contr. Fl. As. Or. **1**: 11 (1905), p. p.—Sprague in Bot. Mag. **140**: t. 8587 (1914).—Non Franchet (1885).  
*Clematis Biondiana* Pavolini in Bull. Soc. Tosc. Ort. **32**: 285 (1907).—P'ei in Sinensia, **6**: 389 (1935).
- C. Jeuneiana** [*C. Armandi* × *Finetiana*] Symons-Jeune in Gard. Chron. ser. 3, **69**: 135, fig. 59 (1921) "*C. Armandii* × *Pavoliniana*".—Beckett in Gard. Chron. ser. 3, **69**: 223 (1921).
- C. fasciculiflora** Franchet, Pl. Delavay. **1**: 5 (1889).—Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 523 (1889); Contr. Fl. As. Or. **1**: 8 (1905).
- C. Finetiana** Léveillé & Vaniot in Bull. Soc. Bot. France, **51**: 219 (1904).—Léveillé, Fl. Kouy-Tchéou, 332 (1915).  
*Clematis hedysarifolia* var. *oreophila* Pavolini in Nuov. Giorn. Bot. Ital. n. ser. **15**: 401 (1908); non *C. oreophila* Hance (1851).  
*Clematis Pavoliniana* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **17**: 270 (1910).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 328 (1913).
- C. Meyeniana** Walpers in Verh. Leop.-Carol. Akad. Naturf. **19**, Suppl. **1**: 297 (1843).—Finet & Gagnepain in Bull. Soc. Bot. France **50**: 530 (1903); Contr. Fl. As. Or. **1**: 15 (1905).  
*Clematis hedysarifolia* δ. *Meyeniana* Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 152 (Monog. Clemat.) (1885).
- C. quinquefoliolata** Hutchinson in Gard. Chron. ser. 3, **41**: 3 (1907).  
*Clematis Meyeniana* var. *heterophylla* Gagnepain in Vil-morin, Frutic. 3, fig. (1904).
- C. chinensis** Osbeck, Dagb. Ostind. Resa, 205, 242 (1757).—Retzius, Observ. **2**: 18, t. 2 (1781).—Rehder in Jour. Arnold Arb. **14**: 200 (1933).  
*Clematis sinensis* Loureiro, Fl. Cochinch. 345 (1790).  
*Clematis minor* Loureiro, l. c. (1790).  
*Clematis recta* ξ. *chinensis* (Retz.) Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 114 (Monog. Clemat.) (1885).  
*Clematis funebris* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **11**: 168 (1902).  
*Clematis oligocarpa* Léveillé & Vaniot in op. cit. **17**, no. 210-11, p. ii (1907).  
*Clematis Cavaleriei* Léveillé & Porter in Repert. Sp. Nov. Reg. Veg. **9**: 20 (1910).
- C. uncinata** Champion in Hooker's Jour. Bot. Kew Gard. Misc. **3**: 255 (1851).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 327 (1913).—Rehder in Jour. Arnold Arb. **10**: 188 (1929).  
*Clematis recta* ξ. *chinensis* 4. *uncinata* Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 115 (Monog. Clemat.) (1885).  
*Clematis leiocarpa* Oliver in Hooker's Icon. Pl. **16**: t. 1533 (1886).  
*Clematis Drakeana* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **11**: 168 (1902).  
*Clematis Gagnepainiana* Léveillé & Vaniot in Bull. Soc. Bot. France, **51**: 219 (1904).
- C. uncinata** f. *retusa* Sprague in Bot. Mag. **141**: t. 8633 (1915).
- C. Delavayi** Franchet in Bull. Soc. Bot. France, **33**: 360 (1889).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 325 (1913).
- C. dioscoreifolia** Léveillé & Vaniot in Repert. Sp. Nov. Reg. Veg. **7**: 339 (1909).  
*Clematis paniculata* var. *dioscoreifolia* (Lévl. & Vant.) Rehder in Jour. Arnold Arb. **1**: 195 (1920).
- C. dioscoreifolia** var. *robusta* (Carr.) Rehder in Jour. Arnold Arb. **26**: 70 (1945).  
*Clematis Vitalba* "aus Japan" [Christmann], Pflanzen-syst. **7**: 309, t. 55, fig. 2 (1781).  
*Clematis crispa* sensu Thunberg, Fl. Jap. 239 (1784), non Linnaeus (1753).  
*Clematis virginica* sensu Thunberg, Fl. Jap. 240 (1784), non Linnaeus (1762).  
*Clematis paniculata* Thunberg in Trans. Linn. Soc. Lond. **2**: 337 (1794).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 331 (1913).—Non J. F. Gmelin (1791) [= *C. indivisa* Willd.].  
*Clematis Flammula robusta* Carrière in Rev. Hort. **1874**: 465, fig. 59 (1874).  
*Clematis recta* π. *paniculata* Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 115 (Monog. Clemat.) (1885).  
*Clematis recta* sensu Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 535 (1903); Contrib. Fl. As. Or. **1**: 20 (1905); non Linnaeus (1753).
- C. recta** Linnaeus, Sp. Pl. 544 (1753).—Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. **5**, 3: 58 (1935).  
*Clematis erecta* Allioni, Fl. Pedemont. **1**: 296 (1789).  
*Clematitis erecta* Moench, Meth. Pl. Suppl. 104 (1802).

- Clematis recta* v. *normalis* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 113 (Monog. Clemat.) (1885).
- C. recta** f. **pleniflora** (Kuntze), grad. nov.  
*Clematis erecta flore pleno* Carrière in Rev. Hort. 1860: 511, fig. 102, 103 (1860).  
*Clematis recta* v. *normalis* 6. *pleniflora* Kuntze, l. c. (1885).  
*Clematis recta* var. *plena* Lemoine ex Davis in Bailey, Cycl. Am. Hort. [1]: 329 (1900).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 216 (1940).
- C. recta** var. **mandshurica** (Rupr.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 22: 218 (in Mém. Biol. 9: 594. 1877) (1876).—Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 114 (Monog. Clemat.) (1885) "(subsp.) *μ. mandshurica*".  
*Clematis mandshurica* Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 258 (1857).—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 319 (1937) "*mandshurica*".
- C. hexapetala** Pallas, Reise Prov. Russ. Reich. 3: 735, t. Q, fig. 2 (1776).—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 318 (1937).  
*Clematis angustifolia* Jacquin, Collect. 1: 137 (1786); Icon. Pl. Rar. 1: 11, t. 104 [1786].—De Candolle, Prodr. 1: 7 (1824).—Finet & Gagnepain in Bull. Soc. Bot. France, 50: 536 (1903); Contr. Fl. As. Or. 1: 21 (1905).—Rehder in Jour. Arnold Arb. 4: 185 (1923); Man. Cult. Trees Shrubs, ed. 2, 216 (1940).—Non Jacquin (1762).  
*Clematis Pallasii* J. F. Gmelin, Syst. Nat. ed. 13, 2: 873 (1791).  
*Clematis sibirica* Pallas, Voy. Prov. Russie, 8: 329 (1793), non Miller (1768).  
*Clematis lasiantha* Fischer ex De Candolle, Reg. Veg. Syst. 1: 154 [1817].  
*Clematis recta* η. *angustifolia* (Jacq.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 112 Monog. Clemat. (1885).  
*Clematis recta* η. *angustifolia* 2. *lasiantha* (Fisch.) Kuntze, l. c. (1885).
- C. Flammula** Linnaeus, Spec. Pl. 544 (1753).—Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 60 (1935).  
*Clematis angustifolia* Jacquin, Enum. Vindob. 310 (1762), non Jacquin (1786).  
*Clematis caespitosa* Scopoli, Fl. Carniol. ed. 2, 1: 389 (1772).  
*Clematis suaveolens* Salisbury, Prodr. Stirp. Chap. Allert. 371 (1796).  
*Clematis odora* Wenderoth, Ind. Sem. Hort. Marburg. 1827: [5] (1827).  
*Clematis flammula* β. *vulgaris* De Candolle, Reg. Veg. Syst. 1: 134 [1817].  
*Clematis flammula* e. *caespitosa* De Candolle, Prodr. 1: 3 (1824).  
*Clematis recta* ρ. *Flammula* (L.) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 115 (Monog. Clemat.) (1885).  
*Clematis flammula* var. *a. typica* Schneider, Ill. Handb. Laubh. 1: 289 (1905).
- C. Flammula** var. **rotundifolia** De Candolle, Reg. Veg. Syst. 1: 134 (1818) "*a.*"  
*Clematis fragrans* Tenore, Fl. Neap. 1: 32, t. 48 (1811).  
*Clematis Flammula* γ. *Cl. fragrans* Reichenbach, Fl. Germ. Excurs. 735 (1832).
- Clematis Flammula* γ. *latifolia* Koch, Syn. Fl. Germ. Helv. ed. 2, 1: 2 (1843).
- C. triternata** [*C. Flammula* × *Viticella*] De Candolle, Reg. Veg. Syst. 1: 150 [1817].  
*Atragene triternata* Desfontaines ex De Candolle, l. c. [1817], pro syn.  
*Clematis violacea* A. de Candolle in Mém. Soc. Phys. Hist. Nat. Genève, 11: 67, t. 1 (1845).—Morren in Ann. Soc. Agric. Bot. Gand, 1: 477, t. 45 (1845).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 217 (1940).  
*Clematis Flammula roseo-purpurea* Jackman ex Moore & Jackman, Clematis, ed. 2, 87 (1877).  
*Clematis recta* × *Viticella* Jackman ex Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 189 (Monog. Clemat.) (1885).  
*Clematis viticella* × *flammula* Graebner f. in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,3: 65 (1935).
- C. triternata** f. **rubro-marginata** (Jouin) Rehder in Jour. Arnold Arb. 26: 474 (1945).  
*Clematis rubro-marginata* Jouin in Mitt. Deutsch. Dendr. Ges. 1907(16): 236 [1908].  
*Clematis Flammula* var. *rubro-marginata* Cripps ex Jouin, l. c. (1907), pro syn.  
*Clematis violacea* var. *rubro-marginata* Rehder in Jour. Arnold Arb. 1: 195 (1920); Man. Cult. Trees Shrubs, ed. 2, 217 (1940).
- C. aromatica** [*C. Flammula* × *integrifolia*] Lenné & Koch in Ind. Sem. Hort. Berol. 1855 (appx.): 15 (1855).  
*Clematis davurica* sensu K. Koch, Dendr. 1: 424 (1869), p. p.; non Patrín ex Persoon (1807).  
*Clematis integrifolia* × *recta* Lemoine ex Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 188 (Monog. Clemat.) (1885).  
*Clematis coerulea odorata* hort. ex Kuntze, l. c. (1885), pro syn.  
*Clematis Poizati* hort. ex Kuntze, l. c. (1885), pro syn.
- C. songorica** Bunge in Del. Sem. Hort. Dorpat. 1839: 8 (1839); in Linnaea, 14 (Litt.): 119 (1840).—Finet & Gagnepain in Bull. Soc. Bot. France, 50: 538 (1903); Contr. Fl. As. Or. 1: 23 (1905) "*songarica*."—Krascheninnikov in Komarov, Fl. S. S. S. R. 7: 316 (1937) "*songarica*."  
*Clematis Gebleriana* Bongard in Bull. Acad. Sci. St. Pétersb. 8: 338 (1841).—Bongard & Meyer in Mém. Nat. Acad. Sci. St. Pétersb. sér. 6, 4 (Bot.): 165, t. 1 (Verz. Saisang-Nor Pflanz. 9, t. 1. 1841) (1845).  
*Clematis soongorica* var. *serratifolia* Trautvetter in Bull. Soc. Nat. Moscou, 33: 56 (1860).  
*Clematis recta* δ. *songarica* 2. *Gebleriana* Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 112 (Monog. Clemat.) (1885).  
*Clematis songarica* var. *b. Gebleriana* Schneider, Ill. Handb. Laubh. 1: 288, fig. 186d (1904).
- C. songorica** var. **integrifolia** [Fisch. & Meyer] Ledebour, Fl. Ross. 1: 725 [1843] "*soongorica* β. *i.*"—Maximowicz, Enum. Pl. Mongol. 3 (1889).  
*Clematis Gebleriana* β. *integrifolia* Schrenk ex F. E. L. Fischer & Meyer, Enum. Pl. Nov. Schrenk Lect. 104 (1841).  
*Clematis recta* δ. *songarica* 1. *integrifolia* (Schrenk) Kuntze in Verh. Bot. Ver. Brandenb. 26(Abh.): 112 (Monog. Clemat.) (1885).
- C. fruticosa** Turczaninow in Bull. Soc. Nat. Moscou, 5: 180 (1832).—Maximowicz in Mém. Div. Sav. Acad.

**Clematis fruticosa** (continued)

- Sci. St. Pétersb. **9**: 479 (Prim. Fl. Amur.) (1859).—  
Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 537  
(1903); Contr. Fl. As. Or. **1**: 22 (1905).
- Clematis recta* a. *fruticosa* (Turcz.) Kuntze in Verh. Bot.  
Ver. Brandenb. **26**(Abh.): 112 (Monog. Clemat.)  
(1885).
- Clematis salsuginea* Bunge ex Finet & Gagnepain, l. c.  
(1903), pro syn.
- C. fruticosa** var. *lobata* Maximowicz, Enum. Pl. Mongol.  
**3** (1889) "β."
- C. Fargesii** Franchet in Jour. de Bot. **8**: 273 (1894).—  
Rehder & Wilson in Sargent, Pl. Wilson. **1**: 335 (1913).
- C. Fargesii** var. *Souliei* Finet & Gagnepain in Bull. Soc.  
Bot. France, **50**: 523 (1903); Contr. Fl. As. Or. **1**: 8  
(1905).—Rehder & Wilson in Sargent, Pl. Wilson. **1**:  
336 (1913).
- Clematis Souliei* Franchet mss. ex Finet & Gagnepain,  
l. c. (1903), pro syn.
- C. apiifolia** De Candolle, Reg. Veg. Syst. **1**: 149 (1818).—  
Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 531  
(1903); Contr. Fl. As. Or. **1**: 16 (1905).—Rehder &  
Wilson in Sargent, Pl. Wilson. **1**: 336 (1913).
- Clematis virginiana* sensu Loureiro, Fl. Cochinch. 345  
(1790), non Linnaeus (1755).
- C. apiifolia** var. *obtusidentata* Rehder & Wilson in Sar-  
gent, Pl. Wilson. **1**: 336 (1913).
- C. Pieroti** Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 1  
(1867).—Finet & Gagnepain in Bull. Soc. Bot. France,  
**50**: 534 (1903); Contr. Fl. As. Or. **1**: 19 (1905), exclud.  
specim. chin.
- Clematis parviflora* γ. *Pieroti* Kuntze in Verh. Bot. Ver.  
Brandenb. **26**(Abh.): 148 (Monog. Clemat.) (1885).
- Clematis brevicaudata* sensu Sargent in Gard. & For. **5**:  
138, fig. 22 (1892), non De Candolle (1817).
- Ser. 3. **VITALBAE** Prantl in Bot. Jahrb. **9**: 260 (1888) "10.  
V."—Schneider, Ill. Handb. Laubh. **1**: 290 (1904)  
"subsect."
- C. virginiana** Linnaeus, Centuria Pl. (Diss.; Juslenius  
resp.) **1**: 15 (1755); in Amoen. Acad. **4**: 275 (1759).—  
Britton & Brown, Ill. Fl. N. U. S. **2**: 67, fig. 1582 (1897).
- Clematis canadensis* Miller, Gard. Dict. ed. 8, C. no. 5  
(1768).
- Clematis fragrans* Salisbury, Prodr. Stirp. Chap. Allert.  
371 (1794).
- Clematidis bracteata* Moench, Meth. Pl. Suppl. 103 (1802).
- Clematidis cordifolia* Moench, op. cit. 104 (1802).
- Clematis virginica* Pursh, Fl. Am. Sept. **2**: 384 (1814).
- Clematis cordata* Pursh, l. c. (1814).
- Clematis Pensylvanica* Donn, Hort. Cantab. ed. 4, 129  
(1807), nom.—Hort. ex Turczaninow in Bull. Soc.  
Nat. Moscou, **27**: 273 (1854).
- Clematis dioica* a. *virginiana* (L.) Kuntze in Verh. Bot.  
Ver. Brandenb. **26**(Abh.): 102 (Monog. Clemat.)  
(1885).
- Clematis dioica* γ. *cordata* (Pursh) Kuntze in op. cit. 103  
(1885).
- C. virginiana** var. *missouriensis* (Rydb.) Palmer & Stey-  
ermark in Ann. Missouri Bot. Gard. **22**: 542 (1935).—  
Steyermark in Rhodora, **40**: 132 (1938).—Fernald in  
Rhodora, **39**: 309 (1937) "f."
- Clematis missouriensis* Rydberg in Britton, Man. Fl.  
N. U. S. 421 (1901).

- C. ligusticifolia** Nuttall ex Torrey & Gray, Fl. N. Am. **1**:  
9 (1838).
- Clematis ligusticifolia* var. *brevifolia* Nuttall ex Torrey &  
Gray, l. c. (1838).
- Clematis brevifolia* Howell, Fl. N. W. Am. **1**: 8 (1897).
- Clematis cordata* var. *b. ligusticifolia* (Nutt.) Schneider,  
Ill. Handb. Laubh. **1**: 292, fig. 1861 (1904).
- Clematis cordata* var. *a. typica* Schneider, l. c. fig. 186k  
(1904), p. p.?
- C. Vitalba** Linnaeus, Sp. Pl. 544 (1753).—Graebner f. in  
Ascherson & Graebner, Syn. Mitteleur. Fl. **5**, **3**: 61  
(1935).
- Clematis sepium* Lamarck, Fl. Franç. **3**: 306 (1778).
- Clematidis vitalba* Moench, Meth. Pl. 296 (1794).
- Clematis dumosa* Salisbury, Prodr. Stirp. Chap. Allert.  
371 (1796).
- Clematis scandens* Borkhausen, Theor.-prakt. Handb.  
Forstbot. **2**: 1199 (1803).
- Clematis Vitalba* β. *integrata* De Candolle, Reg. Veg.  
Syst. **1**: 139 (1818).
- Clematis Vitalba* β. *Cl. banatica* Wierzb. ex Reichenbach,  
Icon. Fl. Germ. **3**: 19, t. 64, fig. 4667b (1839), tab. in  
vol. **4** (1840).
- Clematis banatica* Schur in Verh. Siebenbürg. Ver. Na-  
turtw. **4**: 7 (1853).
- Clematis vitalba* a. *sepium* Val de Lièvre in Oester. Bot.  
Zeitschr. **21**: 119<sup>2</sup> (1871).
- Clematis Vitalba* θ. *normalis* Kuntze in Verh. Bot. Ver.  
Brandenb. **26** (Abh.): 101 (Monog. Clemat.) (1885).
- Clematis vitalba* a. *typica* Beck, Fl. Nieder-Oester. **1**: 411  
(1890).
- C. gouriana** \*) Roxburgh ex De Candolle, Reg. Veg. Syst.  
**1**: 138 [1817] "Gouriana", ut in cit. sequent.—Rox-  
burgh, Fl. Ind. [ed. 2], **2**: 670 (1832).—Rehder &  
Wilson in Sargent, Pl. Wilson. **1**: 339 (1913).—Reh-  
der in Jour. Arnold Arb. **17**: 318 (1936).
- Clematis gouriana* Roxburgh, Hort. Bengal. 43 (1814),  
nom.
- Clematis cana* Wallich, Num. List. no. 4672 (1832), nom.
- Clematis Vitalba* a. *Gauriana* (Roxb.) Kuntze in Verh.  
Bot. Ver. Brandenb. **26**(Abh.): 100 (Monog. Clemat.)  
(1885).
- Clematis substipulata* Kuntze in op. cit. 147 (1885).
- Clematis Vitalba* var. *micrantha* Léveillé & Vaniot in Bull.  
Acad. Intern. Géog. Bot. **11**: 167 (1902).
- Clematis Vitalba* β. *Cl. Gouriana* Finet & Gagnepain in  
Bull. Soc. Bot. France, **50**: 532 (1903); Contr. Fl. As.  
Or. **1**: 17 (1905).
- Clematis Vitalba* β. *Cl. Gouriana* f. *substipulata*, l. c.  
(1903); l. c. (1905), p. p.
- Clematis Martini* Léveillé in Bull. Acad. Intern. Géog.  
Bot. **27**, no. 210–211: ii (1907).
- C. gouriana** var. *Finetii* Rehder & Wilson in Sargent, Pl.  
Wilson. **1**: 339 (1913).
- Clematis Vitalba* β. *Cl. Gouriana* f. *substipulata* Finet &  
Gagnepain in Bull. Soc. Bot. France, **50**: 532 (1903);  
Contr. Fl. As. Or. **1**: 17 (1905), p. p.; non *C. substipu-*  
*lata* Kuntze.
- C. brevicaudata** De Candolle, Reg. Veg. Syst. **1**: 138  
[1817].—Rehder & Wilson in Sargent, Pl. Wilson. **1**:  
340 (1913).
- Clematis Vitalba* γ. *brevicaudata* Kuntze in Verh. Bot.  
Ver. Brandenb. **26**(Abh.): 100 (Monog. Clemat.)  
(1885).

\*) The epithet *gouriana* is not derived from a personal name as its spelling with a capital initial letter would indicate, but from the city of Gour in Bengal (see Roxburgh, Fl. Ind. [ed. 2], **2**: 671. 1832).

- C. Jouiniana** [*C. heracleaefolia* × *Vitalba*] Schneider in Wien. Ill. Gartenzeit. **29**: 17 (1904) "*C. davidiana* × *vitalba*"; Ill. Handb. Laubh. **1**: 283 (1904).  
*Clematis Davidiana* × *Vitalba* G. J. in Garden, **82**: 454, fig. (1918).
- C. grata** Wallich, Pl. As. Rar. **1**: 83, t. 98 (1830). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 337 (1913).  
*Clematis Vitalba* e. *grata* Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 100 (Monog. Clemat.) (1885).  
*Clematis Vitalba* γ. *Cl. grata* Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 532 (1903); Contr. Fl. As. Or. **1**: 17 (1905); p. p. exclud. pl. chin.
- C. grata** var. *lobulata* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 337 (1913).
- C. grata** var. *argenteilucida* (Lévl. & Vant.) Rehder in Jour. Arnold Arb. **17**: 318 (1936).  
*Clematis Vitalba* var. *argenteilucida* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **11**: 167 (1902).  
*Clematis Vitalba* γ. *Cl. grata* Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 532 (1903); Contr. Fl. As. Or. **1**: 17 (1905); p. p. quoad specim. cit. "Bodinier no. 1621."  
*Clematis grata* var. *grandidentata* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 338 (1913).
- Ser. 4. ORIENTALES Prantl in Bot. Jahrb. **9**: 260 (1888) "12. O."  
*Meclatis* Spach, Hist. Nat. Vég. Phan. **7**: 272 (1839).
- C. orientalis** Linnaeus, Sp. Pl. 543 (1753). — Hooker, Fl. Brit. Ind. **1**: 5 (1872). — Maximowicz in Bull. Acad. Sci. St. Pétersb. **22**: 21 (in Mém. Biol. **9**: 583. 1877) (1876). — Krascheninnikov in Komarov, Fl. S. S. S. R. **7**: 322, t. 20, fig. 1 (1937).  
*Clematitidis flava* Moench, Meth. Pl. 296 (1794).  
*Meclatis orientalis* Spach, Hist. Nat. Vég. Phan. **7**: 274 (1839).  
*Clematis longicaudata* Ledebour, Fl. Ross. **1**: 3 [1841].  
*Clematis graveolens* Lindley in Jour. Hort. Soc. Lond. **1**: 307 (1846).  
*Clematis albida* Klotzsch in Klotzsch & Garcke, Bot. Ergeb. Reise Pr. Waldemar, **131**, t. 40 (1862).  
*Clematis orientalis* a. *normalis* Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 123 (Monog. Clemat.) (1885), p. p.  
*Clematis orientalis* a. *normalis* 1. *flava* (Moench) Kuntze, l. c. (1885).  
*Clematis orientalis* a. *normalis* 3. *albida* (Klotzsch) Kuntze in op. cit. 124 (1885).  
*Clematis orientalis* β. *graveolens* (Lindl.) Kuntze in op. cit. 124 (1885).  
*Clematis crux-flava* Cockerell in Science, n. ser., **10**: 898 (1899).
- C. glauca** Willdenow, Berlin. Baumz. **65**, t. 4, fig. 1 (1796); Sp. Pl. **2**: 1290 (1799). — Schneider, Ill. Handb. Laubh. **1**: 293, fig. 191b-b<sup>1</sup> (1904). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 342 (1913). — Krascheninnikov in Komarov, Fl. S. S. S. R. **7**: 321 (1937).  
*Clematis daurica* Persoon, Syn. Pl. **2**: 99 (1807). — De Candolle, Reg. Veg. Syst. **1**: 153 [1817] "*daurica*." — Ledebour, Fl. Ross. **1**: 4 [1841] "*daurica*."  
*Meclatis sibirica* Spach, Hist. Nat. Vég. Phan. **7**: 273 (1839).  
*Clematis orientalis* var. *obtusifolia* Hooker f. & Thomson, Fl. Brit. Ind. **1**: 5 (1875).  
*Clematis orientalis* a. *normalis* 2. *daurica* a. *Persoonii* Kuntze in Verh. Bot. Ver. Brandenb. **26**(Abh.): 124 (Monog. Clemat.) (1885).  
*Clematis orientalis* var. *glauca* Maximowicz, Fl. Tangut. **3** (1889).  
*Clematis orientalis* sensu Finet & Gagnepain in Bull. Soc. Bot. France, **50**: 540 (1903); Contr. Fl. As. Or. **1**: 342 (1905); non Linnaeus (1753).
- C. glauca** var. *akebioides* (Maxim.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 342 (1913).  
*Clematis orientalis* var. *akebioides* Maximowicz in Act. Hort. Petrop. **11**: 6 (1890).
- C. glauca** f. *phaeantha* Rehder in Jour. Arnold Arb. **1**: 195 (1920) "var. *akebioides* f. *ph.*"
- C. tangutica** (Maxim.) Korshinsky in Bull. Acad. Sci. St. Pétersb., sér. 5, **9**: 399 (1898), quoad basonym., exclud. descript. — André in Rev. Hort. **1902**: 528, t. (1902). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 343 (1913).  
*Clematis orientalis* var. *tangutica* Maximowicz, Fl. Tangut. **3** (1889).  
*Clematis eriopoda* sensu Koehne, Deutsche Dendr. **155** (1893), non Maximowicz (1877).
- C. tangutica** var. *obtusiuscula* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 343 (1913).
- C. serratifolia** Rehder in Mitt. Deutsch. Dendr. Ges. **1910** (19): 248 [1911?]; in Repert. Sp. Nov. Reg. Veg. **13**: 362 (1914). — Krascheninnikov in Komarov, Fl. S. S. S. R. **7**: 321 (1937).  
*Clematis orientalis* var. ? *serrata* et var. ? *Wilfordi* Maximowicz in Bull. Acad. Sci. St. Pétersb. **22**: 311 (in Mém. Biol. **9**: 584. 1877) (1876).  
*Clematis intricata* var. *Wilfordi* (Maxim.) et *serrata* (Maxim.) Komarov in Act. Hort. Petrop. **22**: 289 (1904).  
*Clematis Wilfordi* Komarov in Komarov & Klobukova-Alisova, Key Pl. Far East U. S. S. R. **1**: 549, t. 168 (1931).  
*Clematis serrata* Komarov in op. cit. 549 (1931).

# Fam. LARDIZABALACEAE

- LARDIZABALACEAE Lindley, Veg. Kingd. ed. 2, 303 (1847). — Prantl in Nat. Pflanzenfam. III. **2**: 67 (1894). — Nakai, Fl. Sylv. Kor. **21**: 36 (1936).  
*Menispermaceae* trib. *Lardizabaleae* De Candolle, Prodr. **1**: 94 (1824), exclud. *Burasaia*.  
*Menispermideae* Juss. trib. *Lardizabaleae* Dumortier, Anal. Fam. Pl. **50** (1829).  
*Lardizabaleae* Decaisne in Arch. Mus. Hist. Nat. Paris, **1**: 185 (1839).  
*Paeoniaceae* trib. *Lardizabaleae* Horaninov, Char. Ess. Fam. Reg. Veg. **176** (1847).  
*Berberidaceae* trib. *Lardizabaleae* Benth & Hooker f., Gen. Pl. **1**: 40 (1862).

**DECAISNEA** Hooker f. & Thomson in Proc. Linn. Soc. Lond. **2**: 350 [1855]. — Benth & Hooker f., Gen. Pl. **1**: 42 (1862). — Hooker f., Fl. Brit. Ind. **1**: 107 (1872).  
*Slackia* Griffith, Itin. Notes, **187** (1848), nom. subnud.  
Typus: *D. insignis* Hook. f. & Thoms.

**D. Fargesii** Franchet in Jour. de Bot. **6**: 234 (1892). — Hooker f. in Bot. Mag. **128**: t. 7848 (1902). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 344 (1913).  
*Decaisnea insignis* sensu Diels in Bot. Jahrb. **29**: 342 (1900), non Hooker f. & Thoms. (1855).

**HOLBOELLIA** Wallich, Tent. Fl. Nepal. 23 (1824). — Bentham & Hooker f., Gen. Pl. 1: 42 (1862).  
LECTOTYPUS: *H. latifolia* Wall.

**H. grandiflora** Réaumur in Bull. Soc. Bot. France, 53: 453 (1906). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 346 (1913).

**H. Fargesii** Réaumur in op. cit. 454 (1906). — Rehder & Wilson, l. c. (1913).  
*Holboellia angustifolia* sensu Diels in Bot. Jahrb. 29: 343 (1900), non Wallich (1824).  
*Holboellia angustifolia* ? var. *angustissima* Diels, l. c. (1900).  
*Stauntonia longipes* Hemsley in Hooker's Icon. Pl. 29: t. 2848 (1907).  
*Holboellia latifolia* sensu Gagnepain in Bull. Mus. Hist. Nat. Paris, 14: 67 (1908), p. p.; non Wallich (1824).

**H. coriacea** Diels in Bot. Jahrb. 29: 342 (1900). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 345 (1913). — Rehder in Jour. Arnold Arb. 10: 189 (1929).  
*Artabotrys Esquirolii* Léveillé, Fl. Kouy-Tchéou, 29 (1914).

**STAUNTONIA** De Candolle, Reg. Veg. Syst. 1: 513 [1817]. — Bentham & Hooker f., Gen. Pl. 1: 42 (1862). — Nakai, Fl. Sylv. Kor. 21: 37 (1936).  
*Parvatia* Decaisne in Arch. Mus. Hist. Nat. Paris, 1: 190 (1839).  
TYPUS: *S. chinensis* DC.

**S. hexaphylla** (Thunb.) Decaisne in op. cit. 192, t. 11c (1839). — Nakai, Fl. Sylv. Kor. 21: 38, t. 2 (1936).  
*Rajania hexaphylla* Thunberg ex Murray, Syst. Veg. ed. 14, 888 (1784). — Thunberg, Fl. Jap. 149 (1784) "*Raiania h.*"

**AKEBIA** Decaisne in Arch. Mus. Hist. Nat. Paris, 1: 195 (1839). — Bentham & Hooker f., Gen. Pl. 1: 42 (1862). — Nakai, Fl. Sylv. Kor. 21: 40 (1936).  
LECTOTYPUS: *Rajania quinata* Houttuyn = *A. quinata* (Houtt.) Decne.

**A. quinata** [Houttuyn] Decaisne in Arch. Mus. Hist. Nat. Paris, 1: 195, t. 13A (1839). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 347 (1913). — Nakai, Fl. Sylv. Kor. 21: 41, t. 3 (1936).  
*Rajania quinata* Houttuyn, Natuurl. Hist. Descr. Pl. Min. II: 366, t. 75, fig. 1 (1779). — Thunberg in Nov. Act. Reg. Soc. Sci. Upsal. 4: 40 (1783); Fl. Jap. 148 (1784) "*Raiania q.*"

**A. pentaphylla** [*A. quinata* × *trifoliata*] (Mak.) Makino in Bot. Mag. Tokyo, 16: 30 (1902). — E. Anderson in Jour. Arnold Arb. 16: 358 (1935).  
*Akebia trifoliata* var. *pentaphylla* Makino in Bot. Mag. Tokyo, 5: 329 (1891).

**A. trifoliata** (Thunb.) Koidzumi in Bot. Mag. Tokyo, 39: 310 (1925).  
*Clematis trifoliata* Thunberg in Trans. Linn. Soc. Lond. 2: 337 (1794).  
*Akebia lobata* Decaisne in Arch. Mus. Hist. Nat. Paris, 1: 196, t. 13B (1839). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 348 (1913).  
*Akebia quercifolia* Siebold & Zuccarini, Fl. Jap. 1: 146 [1841].

**A. trifoliata** var. *australis* (Diels) Rehder in Jour. Arnold Arb. 10: 189 (1929).

*Akebia lobata* Decne. var. *australis* Diels in Bot. Jahrb. 29: 344 (1900).

*Akebia Chaffanjonii* Léveillé in Bull. Soc. Agric. Sci. Arts Sarthe, 39: 316 (Bouquet Fl. Chine, 1) (1904); in Repert. Sp. Nov. Reg. Veg. 6: 372 (1909).

*Akebia lobata* var. *Chaffanjonii* Léveillé, Fl. Kouy-Tchéou, 47 (1914).

**SINOFRANCHETIA** Hemsley in Hooker's Icon. Pl. 29: t. 2842 (1907). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 349 (1913).

TYPUS: *Parvatia chinensis* Franch. = *S. chinensis* (Franch.) Hemsley.

**S. chinensis** (Franch.) Hemsley, l. c. (1907). — Rehder & Wilson, op. cit. (1913).  
*Holboellia cuneata* Oliver in Hooker's Icon. Pl. 19: t. 1817 (1889), p. p. quoad fruct.  
*Parvatia chinensis* Franchet in Jour. de Bot. 8: 281 (1894).  
*Holboellia chinensis* Diels in Bot. Jahrb. 29: 343 (1900).

#### Fam. SARGENTODOXACEAE

**SARGENTODOXACEAE** Stapf ex Hutchinson, Fam. Flow. Pl. 1: 100 (1926, before May) "*Sargentodoxaceae*" sphalm. — Stapf in Bot. Mag. 151: t. 9111, 9112 p. [1] (1926, Sept.)  
*Lardizabalaceae* Lindley ex Rehder & Wilson in Sargent, Pl. Wilson. 1: 350 (1913), p. p.

**Sargentodoxa** Rehder & Wilson in Sargent, Pl. Wilson. 1: 350 (1913).  
TYPUS: *Holboellia cuneata* Oliv. = *S. cuneata* (Oliv.) Rehd. & Wils.

**S. cuneata** (Oliver) Rehder & Wilson in op. cit. 351 (1913). — Stapf in Bot. Mag. 151: t. 9111, 9112 (1926).  
*Holboellia cuneata* Oliver in Hooker's Icon. Pl. 19: t. 1817 (1889), exclud. fruct. — Réaumur in Bull. Soc. Bot. France, 53: 454, fig. 3 (1906).

#### Fam. BERBERIDACEAE

**BERBERIDACEAE** Torrey & Gray, Fl. N. Am. 1: 49 (1839). — Lindley, Veg. Kingd. 437 (1846). — Nakai, Fl. Sylv. Kor. 21: 58 (1936). — NOM. FAM. CONSERV., cf. Sprague, Syn. Propos. Nomencl. 64 (1935); Proc. Sixth Intern. Bot. Congr. 358 (1936).

*Berberides* Jussieu, Gen. Pl. 286 (1789).

*Berberideae* Ventenat, Tabl. Règ. Vég. 3: 83 (1799). — Bentham & Hooker f. Gen. Pl. 1: 40 (1862), exclud. trib. *Lardizabaleae*.

*Podophylleae* De Candolle, Reg. Veg. Syst. Nat. 2: 31 (1821).

*Podophyllaceae* De Candolle, Prodr. 1: 111 (1824). — Barnhart in Bull. Torrey Bot. Club, 22: 12 (1895).

*Diphylleaceae* C. H. Schultz[-Schultzenstein], Nat. Syst. Pflanz. 328 (1832).

*Nandinaceae* Horaninov, Prim. Lin. Syst. Nat. 90 (1834). — Nakai, Fl. Sylv. Kor. 21: 61 (1936), *Berberis* exclus.

*Berberaceae* Lindley, Intr. Nat. Syst. Bot. ed. 2 enl., 29 (1836).

*Berberaceae* §. 2. *Nandineae*, Lindley, Nat. Syst. Bot., ed. 2, 29, 30 (1836).

*Papaveraceae* 3. *Berberideae* b. *Berbereae* Reichenbach, Handb. Nat. Pflanzensyst. 265 (1837).

*Berberidaceae* trib. I. *Berberideae* Torrey & Gray, Fl. N. Am. 1: 49 (1838).

- Berberidaceae* trib. II. *Nandineae* Torrey & Gray, op. cit. 51 (1838).
- Menispermaceae* trib. 4. *Nandineae* Spach, Hist. Nat. Vég. 8: 26 (1839).
- Nandineae* Agardh, Theor. Syst. Pl. 71, t. 5, fig. 4 (1858).
- Berberideae* trib. II. *Berbereae* Benthham & Hooker, f., Gen. Pl. 1: 41 (1862), p. p.
- Berberidineae* Drude in A. Schenk, Handb. Bot. 3: 403 (1887).
- NANDINA** Thunberg, Fl. Jap. 9 (1784).—Benthham & Hooker f., Gen. Pl. 1: 44 (1862).  
 TYPUS: *N. domestica* Thunb.
- N. domestica** Thunberg, Fl. Jap. 9 (1784).—Schneider in Sargent, Pl. Wilson. 1: 352 (1913).  
 ?*Nandina denudata* Lavallée, Arb. Segrez. 16 (1877), nom.  
 ?*Nandina monstrosa* var. [iegata] C. de Vos, Handb. Boom. Heest. ed. 2, 124 (1887), nom. subnud.—Zabel in Beissner et al., Handb. Laubh.-Ben. 119 (1903), nom.
- N. domestica** f. *purpurea* B. in Fl. & Sylv. 3: 317 (1905) "(f.)"  
*Nandina domestica* var. *purpurea* Lavallée, Arb. Segrez. 16 (1877), nom.  
*Nandina domestica* var. *heterophylla* Lavallée, l. c. (1877), pro syn.
- N. domestica** f. *gigantea* B. in Fl. & Sylva, 3: 317 (1905) "(f.)"
- N. domestica** f. *longifolia* (Dipp.), grad. nov.  
*Nandina domestica* a. *longifolia* Dippel, Handb. Laubh. 3: 104 (1893).
- N. domestica** f. *alba* (Clarke), grad. nov.  
*Nandina denudata* var. *fructibus albis* Lavallée, Arb. Segrez. 16 (1877), nom.  
*Nandina domestica alba* Clarke Nurs., Gard. Aristocr. [Cat.] 6: 6 (1893).
- MAHONIA** Nuttall, Gen. N. Am. Pl. 1: 211 (1818).—Fedde in Bot. Jahrb. 31: 30–133 (Vers. Monog. Mahonia) (1901).—Nom. CONSERV. cf. Règl. Intern. Nomencl. Bot. ed. 2, 86, no. 2566 (1912).  
*Berberis* Linnaeus, Sp. Pl. 330 (1753), p. p.  
*Odostemon* Rafinesque in Am. Monthly Mag. 2: 265 (1817); 4: 192 (1819); in Act. Soc. Linn. Bordeaux, 6: 262 (1833).  
*Berberis* b. *Mahoniae* Roemer & Schultes, Syst. Veg. 7: 1: 17 (1829).  
*Berberis* sect. *Spuriae* Schrader in Linnaea, 12: 387 (1838).  
*Berberis* b. *Mahonia* Endlicher, Gen. Pl. 854 (1839).—Hooker f., Fl. Brit. Ind. 1: 109 (1872) "sect."—Torrey & Gray ex Robinson in Gray & Watson, Syn. Fl. N. Am. 1: 1: 68 (1895) "§ 2."—Koehne, Deutsche Dendr. 163 (1893) "subgen."  
*Berberis* subgen. *Mahonia* sect. *Erythrocarpeae* et sect. *Atrocarpeae* Zabel in Beissner et al., Handb. Laubh.-Ben. 117 (1903), nom. subnud.  
 LECTOTYPUS: *Berberis Aquifolium* Pursh = *M. Aquifolium* (Pursh) Nutt.
- M. repens** (Lindl.) G. Don, Gen. Hist. Dichlam. Pl. 1: 118 (1831).—Fedde in Bot. Jahrb. 31: 79, fig. 1A (1901).  
*Berberis repens* Lindley in Bot. Reg. 14: t. 1176 (1828).  
*Berberis Aquifolium* var. *repens* Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi Riv. Pacif. Oc., 4: 63 (1856).  
*Berberis Aquifolium* sensu Britton & Brown, Ill. Fl. N. U. S. 2: 90, fig. 1642 (1897).—Krebs in Am. Bot. 26: 1, t. (1920) "*B. aquifolia*."—Non Pursh (1814).  
*Odostemon Aquifolium* Rydberg in Bull. Torrey Bot. Club, 33: 141 (1906).  
*Berberis nana* Greene in Pittonia, 3: 98 (1896).  
*Mahonia nana* (Greene) Fedde in Bot. Jahrb. 31: 83 (1901).  
*Mahonia repens* var. a. *typica* Schneider, Ill. Handb. Laubh. 1: 317 (1905).  
*Mahonia Aquifolium* var. *repens* Dauphiné in Bull. Soc. Bot. France, 55: 696, fig. (1908), nom.
- M. repens** var. *rotundifolia* [May] Fedde in Bot. Jahrb. 31: 82 (1901).—Jouin in Mitt. Deutsch. Dendr. Ges. 1910(19): 87 [1911?] = ? *M. Aquifolium* × *repens*.  
*Mahonia rotundifolia* May in Rev. Hort. 1881: 250 (1881).  
*Mahonia Hervei* Hort. ex May, l. c. (1881), pro syn.  
*Berberis repens* a. *rotundifolia* Dippel, Handb. Laubh. 3: 107 (1893).  
*Mahonia rotundifolia* *Herveyi* hort. Desfosse ex Dippel, l. c. (1893), pro syn.—Morel in Rev. Hort. 1907: 163, fig. (1907).—Mešák in Gartenschönh. 4: 222, fig. (1923).  
*Mahonia latifolia* hort. ex Dippel, l. c. (1893), pro syn.  
*Berberis rotundifolia* (Dipp.) = *B. Aquifolium* × *repens* Schelle in Beissner et al., Handb. Laubh.-Ben. 118 (1903).  
*Berberis Aquifolium* var. *rotundifolia* *Herveyi* Bean, Trees Shrubs Brit. Isl. 1: 235 (1914).  
*Berberis Aquifolium* var. *latifolia* et var. *macrophylla* Bean, l. c. (1914).
- M. repens** f. *subcordata* Rehder in Jour. Arnold Arb. 1: 142 (1919).
- M. repens** var. *macrocarpa* Jouin in Mitt. Deutsch. Dendr. Ges. 1910(19): 87 [1911?].—Schwerin in Mitt. Deutsch. Dendr. Ges. 1910(19): 289 [1911?]; in Repert. Sp. Nov. Reg. Veg. 13: 364 (1914).
- M. Aquifolium** (Pursh) Nuttall, Gen. N. Am. Pl. 1: 212 (1818).—Fedde in Bot. Jahrb. 31: 84 (1901).  
*Berberis Aquifolium* Pursh, Fl. Am. Sept. 1: 219, t. 4 (1814).—Jepson, Fl. Calif. 1: 549 (1922).  
*Mahonia aquifolium* β. *nutkana* De Candolle, Reg. Veg. Syst. 2: 20 (1821).  
*Odostemon nutkanus* (DC.) Rydberg in Bull. Torrey Bot. Club, 33: 141 (1906).
- M. Aquifolium** var. *juglandifolia* Jouin in Mitt. Deutsch. Dendr. Ges. 1910(19): 90 [1911?].—Schwerin in Mitt. Deutsch. Dendr. Ges. 1910(19): 289 [1911?].—Schneider, Ill. Handb. Laubh. 2: 924 (1912).  
*Berberis Aquifolium* var. *juglandifolia* Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 184 [1913].
- M. heterophylla** (*M. Aquifolium* × *Fortunei*) (Zabel) Schneider, Ill. Handb. Laubh. 1: 318 (1905).  
*Berberis toluacensis* hort. ex J. J. in Gard. Chron. 1868: 435 (1868) nom.—Vilmorin & Bois, Frutic. Vilmor. 13 (1904), nom.—Hort. ex Bean, Trees Shrubs Brit. Isl. 3: 52 (1933).  
*Berberis Aquifolium* × *Fortunei* ? Zabel in Beissner et al., Handb. Laubh.-Ben. 117 (1903).  
*Mahonia heterophylla* Zabel, l. c. (1903), pro syn.  
*Berberis heterophylla* Zabel, l. c. (1903), pro syn.—Hort. ex Bean, l. c. (1933), pro syn.—Non Poirét (1808):

**Mahonia** (continued)

- M. gracilis** (Benth.) Fedde in Bot. Jahrb. **31**: 95 (1901).  
*Berberis gracilis* Hartweg ex Benth, Pl. Hartweg. 34 (1840).  
*Odostemon gracilis* Standley in Contrib. U. S. Nat. Herb. **23**: 272 (1922).
- M. pinnata** (Lag.) Fedde in Bot. Jahrb. **31**: 86, fig. 1n (p. 81) (1901).  
*Berberis pinnata* Lagasca, Elench. Hort. Madr. 6 (1803).  
 — Ker in Bot. Reg. **9**: t. 702 (1823); **10**(Notes): p. [1] (1824).  
*Mahonia fascicularis* De Candolle, Reg. Veg. Syst. **2**: 19 (1821).  
*Berberis fascicularis* Sims in Bot. Mag. **50**: t. 2396 (1823).
- M. Wagneri** (*M. Aquifolium* × *pinnata*) (Jouin) Rehder in Jour. Arnold Arb. **1**: 142 (1919).  
 ?*Mahonia fascicularis* × *repens* T. Rivers in Gard. Mag. Loudon, **15**: 235 (1839).  
*Mahonia pinnata* var. *Wagneri* Jouin in Mitt. Deutsch. Dendr. Ges. **1910**(19): 90, fig. [1911]. — Schwerin in Mitt. Deutsch. Dendr. Ges. **1910**(19): 290 [1911].  
*Berberis pinnata* var. *Wagneri* Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 184 [1913].
- M. Fremontii** (Torrey) Fedde in Bot. Jahrb. **31**: 98, fig. 1o (1901).  
*Berberis Fremontii* Torrey in Emory, Rep. U. S. Mex. Bound. Surv. **2**, 1: 30 (1859).  
*Berberis (Trilicina) Emoryi* Torrey in herb. ex Fedde in Bot. Jahrb. **31**: 98 (1901), pro syn.
- M. haematocarpa** (Woot.) Fedde in Bot. Jahrb. **31**: 100 (1901).  
*Berberis haematocarpa* Wooton in Bull. Torrey Bot. Club, **25**: 304 (1898).  
*Odostemon haematocarpus* Heller in Muhlenbergia, **7**: 139 (1912).  
*Berberis Nevinii* var. *haematocarpa* Benson in Am. Jour. Bot. **30**: 235 (1943).
- M. Swaseyi** (Buckl.) Fedde in Bot. Jahrb. **31**: 102 (1901).  
*Berberis trifoliolata* sensu Torrey in U. S. Rep. Explor. Surv. Railr. Mississippi Pacif. Oc. **4**(Bot.): 63 (1857), non Moricand (1841).  
*Berberis Swaseyi* Buckley in Maud J. Young, Famil. Less. Bot. Fl. Tex. 152 (1873). — Ramsay in Jour. Hered. **12**: 426, fig. (1922) "*Swaseyi*."
- M. trifoliolata** (Moric.) Fedde in Bot. Jahrb. **31**: 96 (1901).  
*Berberis trifoliolata* Moricand, Pl. Nouv. Am. 113, t. 69 (1841).  
*Berberis trifoliolata* Hartweg ex Lindley in Bot. Reg. **27** (misc.): 149 (1841).  
*Berberis ilicifolia* Scheele in Linnaea **21**: 591 (1848), non Forster (1789).  
*Berberis Schiedeana* S. Watson in Proc. Am. Acad. Arts Sci. **17**: 318 (1882).
- M. nervosa** (Pursh) Nuttall, Gen. N. Am. Pl. **1**: 212 (1818).  
*Berberis nervosa* Pursh, Fl. Am. Sept. **1**: 219, t. 5 (1814).  
*Mahonia glumacea* De Candolle, Reg. Veg. Syst. **2**: 21 (1821).  
*Berberis glumacea* Sprengel, Syst. Veg. **2**: 120 (1825).
- M. Bealii** (Fort.) Carrière in Fl. des Serr., **10**: 166 (1854). — Takeda in Notes Bot. Gard. Edinb. **6**: 225, t. 12, 13, 34, fig. 83–103 (1917). — Mulligan in Gard. Chron. ser. 3, **97**: 175, fig. 71, 72 (1935) "*Bealei*."
- Berberis Bealii* Fortune in Gard. Chron. **1850**: 212 (1850).  
*Mahonia japonica* var. *Bealei* Fedde in Bot. Jahrb. **31**: 119 (1901).  
*Berberis japonica* var. *Bealei* (Fort.) Skeels in U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Import. **27**: 76 (1912). — Bean, Trees Shrubs Brit. Isl. **1**: 244 (1914).
- M. japonica** (Thunb.) De Candolle, Reg. Veg. Syst. **2**: 22 (1821). — Takeda in Notes Bot. Gard. Edinb. **6**: 241, t. 30, 36, fig. 207–211 (1917).  
*Ilex Japonica* Thunberg, Fl. Jap. 77 (1784).  
*Berberis japonica* R. Brown in Tuckey, Congo Exped. Appx. **22** (1816).  
*Aquifolium japonica* Rafinesque, Sylva Tellur. 44 (1838), nom. tentat.  
*Mahonia japonica* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 323 (1905).  
*Odostemon japonicus* [Nash] in Jour. New York Bot. Gard. **18**: 263 (1917).
- M. Fortunei** (Lindl.) Fedde in Bot. Jahrb. **31**: 130 (1901), p. p. typ. — Takeda in Notes Bot. Gard. Edinb. **6**: 233, t. 24, 36, fig. 163–167 (1917).  
*Berberis Fortunei* Lindley in Jour. Hort. Soc. Lond. **1**: 231, 300, fig. (1846).  
*Berberis trifurca* Fortune ex Lindley in Paxton's Flow. Gard. **3**: 57, fig. 258 (1852).  
*Mahonia trifurca* Hort. ex Loudon, Encycl. Pl. Suppl. **2**: 1346 (1855), pro syn. — Mouillefert, Traité Arb. Arbriss. **1**: 167 [1895]. — Fedde in Bot. Jahrb. **31**: 125, fig. 4b (1901).  
*Berberis nipalensis* sensu Hance in Jour. Bot. **20**: 2 (1882), non Sprengel (1825).  
*Mahonia japonica* var. *d. trifurca* Fedde ex Schneider, Ill. Handb. Laubh. **1**: 323 (1905).  
*Berberis japonica* var. *trifurca* Rehder in Mitt. Deutsch. Dendr. Ges. **1912** (21): 184 [1913].
- M. napaulensis** De Candolle, Reg. Veg. Syst. **2**: 21 (1821) "exclud. β." — Takeda in Notes Bot. Gard. Edinb. **6**: 216, t. 1, 2, 23, fig. 1–5 (1917).  
*Berberis pinnata* Buchan. ined. ex De Candolle, Reg. Veg. Syst. **2**: 21 (1821), pro syn.  
*Berberis nepalensis* Sprengel, Syst. Veg. **2**: 120 (1825).  
*Berberis Miccia* Hamilton ex Don, Prodr. Fl. Nepal. 205 (1825).
- MAHOBERBERIS** (*Berberis* × *Mahonia*) Schneider, Ill. Handb. Laubh. **1**: 806 (1906); **2**: 924 (1912).
- M. Neuberti** (*B. vulgaris* × *M. Aquifolium*) (Lem.) Schneider, Ill. Handb. Laubh. **1**: 806 (1906); **2**: 924 (1912).  
*Berberis Neuberti* Baumann ex Lemaire in Ill. Hort. **1** (misc.): 111, fig. (1854); **2**: 8 (1855).  
*Berberis ilicifolia* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 117 (1903), pro syn.; non Forster (1789).  
*Mahoberberis Neuberti* var. *ilicifolia* Schneider, Ill. Handb. Laubh. **2**: 924 (1912).
- M. Neuberti f. latifolia** (Schneid.), grad. nov.  
*Berberis latifolia* Hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 117 (1903), nom. subnud.  
*Mahoberberis Neuberti* var. *latifolia* Schneider, l. c. (1912). — Rehder in Mitt. Deutsch. Dendr. Ges. **1912** (21): 184 [1913].
- BERBERIS** Linnaeus, Sp. Pl. 330 (1753), p. p. typ.; Gen. Pl. ed. 5, 153, no. 379 (1754). — De Candolle, Prodr.



- 1: 105–109 (1824).—Bentham & Hooker f., Gen. Pl. 1: 43 (1862).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 33–48, 133–148, 391–403, 449–464, 655–670, 800–831 (1905); 8: 192–204, 254–266 (1908).
- Berberis* sect. *Genuinae* Schrader in Linnaea, 12: 361 (1838).
- Berberis* sect. *Euberberis* Spach, Hist. Nat. Vég. Phan. 8: 38 (1839).
- Berberis* sect. *Brachycladae* Tischler in Bot. Jahrb. 31: 631 (1902).
- LECTOTYPUS: *B. vulgaris* L.
- Ser. 1. BUXIFOLIAE (Schneid.) Rehder in Man. Cult. Trees Shrubs, ed. 2, 228 (1940).
- Berberis* sect. *Odontostemonas* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 90 (1899), nom. subnud.
- Berberis* sect. *Buxifoliae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 139 (1905).
- B. buxifolia** Lamarck ex Poir., Encycl. Méth. Bot. 8: 619 (1808); Tabl. Encycl. Méth. 2: 391 [1819]; Rec. Planch. Encycl. Méth. 2: t. 253, fig. 3 [1797?].
- Berberis dulcis* Sweet, Brit. Flow. Gard. ser. 2, 1: t. 100 (1831).
- Berberis buxifolia* var. *typica* Schneider, Ill. Handb. Laubh. 1: 302 (1904).
- B. buxifolia** f. *nana* [Carr.] Schneider, l. c. (1904); in Gartenschönh. 13: 27, fig. (1932).
- Berberis dulcis nana* Carrière in Rev. Hort. 1867: 260 (1867).
- Berberis buxifolia* var. *nana* Mouillefert, Arb. Arbriss. 1: 160 (1891).—Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 83, fig. 2 (1899).
- Berberis microphylla* a. *nana* Dippel, Handb. Laubh. 3: 135 (1893).
- B. buxifolia** f. *pygmaea* (Koehne), Schneider, Ill. Handb. Laubh. 1: 302 (1905).
- Berberis pygmaea* Koehne, Deutsche Dendr. 166 (1893).
- Berberis buxifolia pygmaea* hort. Sim. ex Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 83, fig. 1 (1899).
- B. buxifolia** var. *spinosissima* Reiche, Fl. Chile, 1: 39 (1896).
- Berberis buxifolia* var. *macracantha* Philippi ex Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 90 (1899).
- B. empetrifolia** Lamarck ex Poir., Encycl. Méth. Bot. 8: 621 (1808); Tabl. Encycl. Méth. Bot. 2: 391 [1819]; Rec. Planch. Encycl. Méth. Bot. 2: t. 253, fig. 4 [1797], sine fig. anal. et sine nom.—De Candolle, Reg. Veg. Syst. 2: 16 (1821).
- Berberis revoluta* Smith ex De Candolle, Reg. Veg. Syst. 2: 16 (1821), pro syn.
- Berberis empetrifolia* var. *a. typica* Schneider in Bull. Herb. Boissier, sér. 2, 5: 140 (1905).
- B. linearifolia** Philippi in Linnaea, 28: 663 (1856).
- Berberis Grisebachii* Lechler, Berb. Am. Austr. 34 (1857).
- B. stenophylla** (*B. Darwinii* × *empetrifolia*) Lindley in Gard. Chron. 1864: 460 (1864).
- Berberis handsworthensis* hort. ex Schneider, Ill. Handb. Laubh. 1: 298 (1904), pro syn.
- Berberis stenophylla* var. *typica* Schneider, l. c. (1904).
- Berberis Irwinii* Byhouwer in Mitt. Deutsch. Dendr. Ges. 1923(33): 253 (1923).
- Berberis stenophylla* var. *Irwinii* hort. ex Byhouwer, l. c. (1923), pro syn.
- Ser. 2. ACTINACANTHAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 228 (1940).
- Berberis* sect. *Odontostemonas* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 90 (1899), p. p.
- Berberis* sect. *Actinacanthae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 143 (1905).
- B. heterophylla** Jussieu ex Poir., Encycl. Méth. Bot. 8: 622 (1808).—Schneider, Ill. Handb. Laubh. 1: 300, fig. 195t-w<sup>1</sup> (1905).
- B. actinacantha** Martius ex Roemer & Schultes, Syst. Veg. 7,1: 12 (1829).
- Berberis actinacantha* var. *typica* Schneider in Bull. Herb. Boissier, sér. 2, 5: 145 (1905).
- B. hakeoides** (Hook. f.) Schneider, Ill. Handb. Laubh. 1: 299 (1904).
- Berberis congestiflora* var. *hakeoides* Hooker f. in Bot. Mag. 110: t. 6770 (1884).
- Ser. 3. ILICIFOLIAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 229 (1940).
- Berberis* sect. *Lateriflorae* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 92 (1899), nom. subnud.
- Berberis* sect. *Illicifoliae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 802 (1905).
- B. Darwinii** Hooker in Hooker's Icon. Pl. 7: t. 672 (1844).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 804 (1905).
- B. iologensis** (*B. Darwinii* × *linearifolia*) Sandwith in Kew Bull. 1928: 108 (1928).
- B. illicifolia** Forster in Comm. Soc. Sci. Gotting. 9: 28 (1789).—Schneider in op. cit. 803 (1905).
- Berberis serrato-dentata* Lechler, Berb. Am. Austr. 16 (1857).
- Ser. 4. WALLICHIANAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 229 (1940).
- Berberis* sect. *Abrachycladae* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 87 (1899), nom. subnud.—Tischler in Bot. Jahrb. 31: 639 (1902).
- Berberis* sect. *Umbellatae* Usteri, l. c. (1899), nom. subnud.
- Berberis* sect. *Wallichianae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 400 (1905).—Ahrendt in Jour. Bot. 79 (Suppl.): 6 (1941).
- B. verruculosa** Hemsley & Wilson in Kew Bull. 1906: 151 (1906).—Schneider in Sargent, Pl. Wilson. 1: 357 (1913).
- B. Chenaultii** (*B. Gagnepainii* × *verruculosa*) Chenault & Son, Gen. Cat. New Shrubs 1933/34: 3 (1933).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 229 (1940).
- B. candidula** (Schneid.) Schneider in Mitt. Deutsch. Dendr. Ges. 1905(14): 115 (1905); in Sargent, Pl. Wilson. 1: 357 (1913).
- Berberis Hookeri* var. *candidula* Schneider, Ill. Handb. Laubh. 1: 303 (1904).
- Berberis Wallichiana* var. *pallida* ? Bois in Vilmorin & Bois, Frutic. Vilmor. 15, fig. (1905), non Hooker f. & Thomson (1855).
- B. hybrido-Gagnepainii** (*B. candidula* × *Gagnepainii*) Suringar in Nederl. Dendrol. Vereen. Jaarb. 1929: 146 (1929).

**Berberis** (*continued*)

- B. pruinosa** Franchet in Bull. Soc. Bot. France, **33**: 387 (1886).—Schneider, Ill. Handb. Laubh. **1**: 301, fig. 196a-d<sup>1</sup> (1904).—Ahrendt in Jour. Bot. **79** (Suppl.): 14 (1941).
- B. Vilmorinii** (*B. diaphana* × *pruinosa*) Schneider in Jour. Arnold Arb. **4**: 231 (1923).
- B. triacanthophora** Fedde in Bot. Jahrb. **36**, Beibl. **82**: 43 (1905).—Schneider in Sargent, Pl. Wilson. **1**: 358 (1913).  
*Berberis sanguinea* sensu Schneider in Bull. Herb. Boissier, sér. 2, **5**: 453 (1905), p. p.; **8**: 129 (1908), p. p; non Franchet (1885).
- B. Veitchii** Schneider in Sargent, Pl. Wilson. **1**: 363 (1913); **3**: 438 (1917).  
*Berberis acuminata* sensu J. H. Veitch, Hort. Veitch. 391 (1906).—Schneider, Ill. Handb. Laubh. **2**: 916 (1912), p. p.—Non Franchet (1886).
- B. Vanfleetii** (*B. Veitchii* × *vulgaris*?) Schneider in Jour. Arnold Arb. **4**: 230 (1923).
- B. Gagnepainii** Schneider in Bull. Herb. Boissier, sér. 2, **8**: 196 (1908); in Sargent, Pl. Wilson. **1**: 358 (1913), p. p.
- B. Gagnepainii** var. *lanceifolia* Ahrendt in Jour. Bot. **79** (Suppl.): 39 (1941).  
*Berberis acuminata* sensu Stapf in Bot. Mag. **134**: t. 8185 (1908), non Franchet (1886).  
*Berberis Gagnepainii* Schneider in Sargent, Pl. Wilson. **1**: 358 (1913), p. p.—Rehder, Man. Cult. Trees Shrubs, 239 (1927).
- B. sanguinea** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 194, t. 5 (Pl. David. **2**: 12, t. 5. 1888) [1886].—Schneider in Sargent, Pl. Wilson. **1**: 359 (1913).
- B. replicata** W. W. Smith in Notes Bot. Gard. Edinb. **11**: 200 (1919).—Stapf in Bot. Mag. **151**: t. 9076 (1925).
- B. taliensis** Schneider in Repert. Sp. Nov. Reg. Veg. **46**: 252 (1939).
- B. atrocarpa** Schneider in Sargent, Pl. Wilson. **3**: 437 (1917).—Bean in Bot. Mag. **146**: t. 8857 (1920).  
*Berberis levis* sensu Schneider in Sargent, Pl. Wilson. **1**: 360 (1913), p. p.—Bean, Trees Shrubs Brit. Isl. **1**: 244 (1914).—Non Franchet (1886).
- B. levis** Franchet in Bull. Soc. Bot. France, **33**: 386 (1886).—Schneider, l. c. (1913), p. p. typ.
- B. sublevis** W. W. Smith in Notes Bot. Gard. Edinb. **9**: 83 (1916).—Schneider in New Fl. & Silva, **10**: 258 (1938).  
*B. Wallichiana* var. *β. microcarpa* Hooker f. & Thomson, Fl. Ind. **1**: 225 (1855).
- B. Sargentiana** Schneider in Sargent, Pl. Wilson. **1**: 359 (1913).—E. Brown in Gard. Chron. ser. 3, **110**: 31, fig. 18 (1941).
- B. Soulieana** Schneider in Bull. Herb. Boissier, sér. 2, **5**: 449 (1905); in Sargent, Pl. Wilson. **1**: 360 (1913), pro syn; **3**: 437 (1917); in Gartenschönh. **13**: 27, fig. (1932).  
*Berberis stenophylla* Hance in Jour. Bot. **20**: 257 (1882), non Lindley (1864).
- Berberis sanguinea* Lemoine [Cat.] no. **167**: 13 (1907), non Franchet (1885).
- B. insignis** Hooker f. & Thomson, Fl. Ind. **1**: 226 (1855).—Hooker f., Fl. Brit. Ind. **1**: 111 (1875).
- B. insignis** var. *tongloensis* Schneider in New Fl. & Silva, **10**: 256 (1938).
- B. dumicola** Schneider in op. cit. 259 (1938); in Repert. Sp. Nov. Reg. Veg. **46**: 249 (1939).
- B. Julianae** Schneider in Sargent, Pl. Wilson. **1**: 360 (1913); **3**: 438 (1917); in Gartenschönh. **13**: 27, fig. (1932).
- B. mentorensis** (*B. Julianae* × *Thunbergii*) L. M. Ames in Gard. Chron. ser. 3, **97**: 211 (1935).—Anon. in Horticulture, **13**: 48, fig. (1935).
- B. Bergmanniae** Schneider in Sargent, Pl. Wilson. **1**: 362 (1913); **3**: 438 (1917).
- B. Hookeri** Lemaire in Ill. Hort. **6**: t. 207 (1859).—Schneider in New Fl. & Silva, **1**: 59, fig. 18 (1928).—Stapf in Bot. Mag. **152**: t. 9153 (1928).  
*Berberis Wallichiana* sensu Hooker f. & Thomson, Fl. Ind. **1**: 225 (1855).—Hooker in Bot. Mag. **78**: t. 4656 (1852).—Non De Candolle (1824).  
*Berberis Hookeri* var. *typica* Schneider in Bull. Herb. Boissier, sér. 2, **8**: 197 (1908); in Gartenschönh. **13**: 27, fig. (1932), nom.; non Schneider (1904).
- B. Hookeri** f. *viridis* (Schneid.), grad. nov.  
*Berberis Hookeri* var. *a. typica* Schneider, Ill. Handb. Laubh. **1**: 303 (1904).  
*Berberis Hookeri* var. *typica* Schneider in Bull. Herb. Boissier, sér. 2, **8**: 197 (1908); Ill. Handb. Laubh. **2**: 916 (1912); in Gartenschönh. **13**: 27, fig. (1932).
- B. hypokerina** Airy-Shaw in Kew Bull. **1930**: 208 (1930).
- B. Coxii** Schneider in New Fl. & Silva, **10**: 257 (1938); in Repert. Spec. Nov. Reg. Veg. **46**: 261 (1939).
- B. calliantha** Mulligan in Gard. Chron. ser. 3, **97**: 394, fig. 168, 169 (1935).—Schneider in op. cit. 256, fig. 85 (1938).
- Ser. 5. **ANGULOSAE** (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 231 (1940).  
*Berberis* sect. *Angulosae* Schneider in Bull. Herb. Boissier, sér. 2, **5**: 396 (1905).—Ahrendt in Jour. Bot. **79** (Suppl.): 40 (1941).
- B. dictyophylla** Franchet, Pl. Delavay. 39, t. 11 (1889).—Schneider in Sargent, Pl. Wilson. **1**: 353 (1913).  
*Berberis dictyophylla* f. *albicaulis* Hort. ex Hesse in Mitt. Deutsch. Dendr. Ges. **1916**(25): 128 [1917].
- B. dictyophylla** var. *epruinosa* Schneider in Sargent, Pl. Wilson. **1**: 353 (1913); **3**: 434 (1917).  
*Berberis Ambrozyana* Schneider in Sargent, Pl. Wilson. **1**: 356 (1913).
- B. dictyophylla** var. *approximata* (Sprague) Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 183 [1913].  
*Berberis dictyophylla* Hooker f. in Bot. Mag. **128**: t. 7833 (1902), non Franchet (1889).  
*Berberis approximata* Sprague in Kew Bull. **1909**: 256 (1909).
- B. sibirica** Pallas, Reise Russ. Reich, 2(Appx.): 737, t. P, fig. 2 (1773).—Schneider, Ill. Handb. Laubh. **1**: 309,

- fig. 194t<sup>1</sup>, u-u<sup>2</sup> (1905). — Fedtchenko in Komarov, Fl. S. S. S. R. 7: 554 (1937).  
*Berberis altaica* Pallas, Fl. Ross. 1, 2: t. 18 [67] (1788), in tab. tantum, *B. sibirica* in textu (p. 42).
- B. concinna** Hooker f. in Bot. Mag. 79: t. 4744 (1853); Fl. Brit. Ind. 1: 111 (1872).
- B. diaphana** Maximowicz in Bull. Acad. Sci. St. Pétersb. 23: 309; (in Mém. Biol. 9: 712) (1877); Fl. Tangut. 32, t. 8, fig. 1-7 (1889). — Schneider in Sargent, Pl. Wilson. 1: 353 (1913).  
*Berberis yunnanensis* sensu Hutchinson in Bot. Mag. 134: t. 8224 (1908), non Franchet (1886).
- B. aemulans** Schneider in Sargent, Pl. Wilson. 3: 434 (1917).  
*Berberis diaphana* sensu Schneider in op. cit. 1: 354 (1913), p. p., quoad spec. Wilson no. 930; non Maximowicz (1876).
- B. Tischleri** Schneider in Bull. Herb. Boissier, sér. 2, 8: 201 (1908); in Sargent, Pl. Wilson. 1: 355 (1913).  
*Berberis yunnanensis* sensu Schneider in Sargent, Pl. Wilson. 1: 355 (1913), p. p., quoad specim. cit.; non Franchet (1886).
- B. yunnanensis** Franchet in Bull. Soc. Bot. France, 33: 388 (1886); Pl. Delavay. 38 (1889).
- B. Faxoniana** Schneider in Oester. Bot. Zeitschr. 66: 325 (1916).
- B. consimilis** Schneider in op. cit. 324 (1916).
- B. tsarongensis** Stapf in Bot. Mag. 156: t. 9332 (1933).
- B. circumscissata** (Schneid.) Schneider in Sargent, Pl. Wilson. 3: 435 (1917). — L. M. Ames in Bull. Arnold Arb. ser. 4, 5: 65, t. 15 (1937).  
*Berberis diaphana* var. *circumscissata* Schneider in Sargent, Pl. Wilson. 1: 354 (1913).
- B. angulosa** Wallich, Num. List, no. 1475 (1829), nom. — Hooker f. & Thomson, Fl. Ind. 1: 227 (1855). — Hooker f., Fl. Brit. Ind. 1: 111 (1872). — Schneider, Ill. Handb. Laubh. 1: 309, fig. 194v-w (1905).
- B. suberecta** Ahrendt in Kew Bull. 1939: 271 (1939).
- Ser. 6. POLYANTHAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 233 (1940).  
*Berberis* sect. *Polyanthae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 814 (1905); in Sargent, Pl. Wilson. 1: 375 (1913).  
*Berberis* sect. *Sinenses* Schneider in op. cit. 369 (1913), p. p., quoad *B. Wilsonae*.
- B. Wilsonae** Hemsley in Kew Bull. 1906: 151 (1906). — Bean in Bot. Mag. 138: t. 8414 (1912). — Schneider in Sargent, Pl. Wilson. 1: 368 (1913).  
*Berberis vulgaris* var. *Wilsoniae* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. Wilsonae** var. *Stapfiana* (Schneid.) Schneider in Oester. Bot. Zeitschr. 67: 298 (1918).  
*Berberis Stapfiana* Schneider in Kew Bull. 1912: 35 (1912). — Hutchinson in Bot. Mag. 143: t. 8701 (1917).  
*Berberis vulgaris* var. *Stapfiana* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. Wilsonae** var. *subcaulialata* (Schneid.) Schneider in Oester. Bot. Zeitschr. 57: 298 (1918).
- Berberis subcaulialata* Schneider in Repert. Sp. Nov. Reg. Veg. 16: 267 (1909).  
*Berberis Coryi* Veitch, New Hardy Pl. China, 7 (1913).
- B. rubrostilla** [*B. aggregata* × *Wilsonae*] Anon. in Gard. Chron. ser. 3, 60: 235, fig. 93 (1916); Anon. in Garden, 80: 563, fig. (1916). — Chittenden in Jour. Hort. Soc. Lond. 42: 353, fig. 65 (1917). — Ahrendt in Jour. Hort. Soc. Lond. 67: 133, 135, fig. 43 (1942).  
*Berberis rubrostilla* var. *crawleyensis* et var. *Chealii* Ahrendt in op. cit. 133 (1942).
- B. parvifolia** Sprague in Kew Bull. 1908: 445 (1908). — Schneider in Sargent, Pl. Wilson. 3: 436 (1917). — Non Lindley (1847).
- B. arido-calida** Ahrendt in Kew Bull. 1939: 273 (1939).
- B. aggregata** Schneider in Bull. Herb. Boissier, sér. 2, 8: 203 (1908). — Sprague in Bot. Mag. 153: t. 8722 (1917).  
*Berberis vulgaris* var. *aggregata* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. aggregata** var. *Prattii* (Schneid.) Schneider in Sargent, Pl. Wilson. 3: 443 (1917, Jan. 31); in Möller's Deutsch. Gärtn.-Zeit. 32: 83, fig. (1917, March).  
*Berberis Prattii* Schneider in Sargent, Pl. Wilson. 1: 376 (1913). — Sprague in Bot. Mag. 140: t. 8549 (1914).  
*Berberis brevipaniculata* sensu Bean, Trees Shrubs Brit. Isl. 1: 236 (1914), non Schneider (1908).  
*Berberis Geraldii* Veitch, N. Hardy Pl. China, 7 (1913), nom.
- B. aggregata** var. *recurvata* (Schneid.) Schneider in Sargent, Pl. Wilson. 3: 443 (1917).  
*Berberis Prattii* var. *recurvata* Schneider in op. cit. 1: 377 (1913).
- B. Edgeworthiana** Schneider in Bull. Herb. Boissier, sér. 2, 8: 263 (1908); Ill. Handb. Laubh. 2: 922, fig. 574p (1912).  
*Berberis brachybotrys* Edgeworth in Trans. Linn. Soc. Lond. 20: 29 (1851), non Gay (1845).
- Berberis polyantha** Hemsley in Jour. Linn. Soc. Lond. 29: 302 (1892). — Schneider in Bull. Herb. Boissier, sér. 2, 5: 815 (1905); 8: 264 (1908).
- Ser. 7. TINCTORIAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 234 (1941).  
*Berberis* sect. *Chitria* Spach, Hist. Nat. Vég. Phan. 8: 47 (1839).  
*Berberis* sect. *Paniculatae* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 88 (1899), nom. subnud.  
*Berberis* sect. *Tinctoriae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 450 (1905).
- B. aristata** De Candolle, Reg. Veg. Syst. 2: 8 (1821). — Schneider in Bull. Herb. Boissier, sér. 2, 5: 451 (1905); Ill. Handb. Laubh. 1: 313, fig. 196q-v (1905); in Jour. Arnold Arb. 4: 204 (1923); in Gard. 90: 203, fig. (1926).  
*Berberis Chitria* Buchan. ex De Candolle, Reg. Veg. Syst. 2: 8 (1821), pro syn.  
*Berberis angustifolia* Roxburgh, Hort. Beng. 87 (1816), nom.; Fl. Ind. [ed. 2], 2: 183 (1832).  
*Berberis aristata* a. *normalis* Hooker f. & Thomson, Fl. Ind. 1: 122 (1855), p. p.  
*Berberis aristata* var. 1. *aristata* Hooker f., Fl. Brit. Ind. 1: 110 (1872).
- B. aristata** var. *coriaria* (Lindl.) Schneider ex Rehder, Man. Cult. Trees Shrubs, 243 (1927).

**Berberis aristata** var. **coriaria** (continued)

- Berberis floribunda* sensu Lindley in Penny Cycl. 4: 261 (1835), p. p.; non G. Don (1831).
- Berberis coriaria* Royle ex Lindley in Bot. Reg. 27: t. 46 (1841).—Schneider in Jour. Arnold Arb. 4: 205 (1923), sub *B. aristata* in textu.
- Berberis aristata* var. *floribunda* Hooker f. & Thomson, Fl. Ind. 1: 222 (1855), p. p.—Bean, Trees Shrubs Brit. Isl. 1: 236 (1914), p. p.
- B. macracantha** [*B. aristata* × *vulgaris*] Schrader in Linnaea, 12: 356 (1838).—Schneider in Mitt. Deutsch. Dendr. Ges. 1906(15): 176 (1907); in Jour. Arnold Arb. 4: 200 (1923).
- B. kewensis** Schneider in Jour. Arnold Arb. 4: 197 (1923) "n. sp. vel hybr."
- B. Chitria** Hamilton ex Ker in Bot. Reg. 9: t. 729 (1823).—Schneider Ill. Handb. Laubh. 1: 305, fig. 197u-z (1905); in Bull. Herb. Boissier, sér. 2, 5: 453 (1905); in Jour. Arnold Arb. 4: 205 (1923), sub *B. aristata* in textu.
- Berberis aristata* sensu Sims in Bot. Mag. 52: t. 2549 (1825), non De Candolle (1821).
- Berberis aristata* a. *normalis* Hooker f. & Thomson, Fl. Ind. 1: 222 (1855), p. p.
- Berberis umbellata* Wallich, Num. List. no. 1474 [1829], nom.—Hooker f. & Thomson, Fl. Ind. 1: 222 (1855), p. p.—Non Wallich ex G. Don (1831).
- Berberis gratissima* Klotzsch & Garcke, Bot. Ergeb. Reise Prinz. Waldemar, 130, t. 37 (1862).
- Berberis chitria* var. *typica* Schneider in Bull. Herb. Boissier, sér. 2, 5: 453 (1905).
- Berberis aristata* var. *Chitria* Bean, Trees Shrubs Brit. Isl. 1: 236 (1914).
- B. Spaethii** (*B. ? Chitria* × ?) Schneider in Jour. Arnold Arb. 4: 203 (1923).
- B. Francisci-Ferdinandi** Schneider in Sargent, Pl. Wilson. 1: 367 (1913); 3: 439 (1917).—Stapf in Bot. Mag. 155: t. 9281 (1932).
- B. Beaniana** Schneider in Sargent, Pl. Wilson. 3: 439 (1917).—Bean in Bot. Mag. 154: t. 8781 (1918).
- Berberis Veitchii* Hort. Veitch ex Schneider, l. c. (1917), pro syn.; non Schneider (1913).
- B. Jamesiana** Forrest & W. W. Smith in Notes Bot. Gard. Edinb. 9: 81 (1916).—Stapf in Bot. Mag. 156: t. 9298 (1932).
- B. leptoclada** Diels in Notes Bot. Gard. Edinb. 5: 167 (1912).
- B. pallens** Franchet, Pl. Delavay. 36 (1899).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 457 (1905).
- Ser. 8. ASIATICAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 235 (1940).
- Berberis* sect. *Brachystemones* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 88 (1899), p. p.
- Berberis* sect. *Asiaticae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 456 (1905).
- B. Lycium** Royle in Trans. Linn. Soc. Lond. 17: 94 (1837).—Hooker, Fl. Brit. Ind. 1: 110 (1872).—Schneider, Ill. Handb. Laubh. 1: 306, fig. 194r-s, 198o-p (1905); in Bull. Herb. Boissier, sér. 2, 5: 457 (1905).
- ?*Berberis ceratophylla* G. Don, Gen. Syst. Gard. Bot. 1: 115 (1831).
- Berberis ruscifolia* Lavallée, Arb. Segrez. 14 (1877), non Lamarck (1808).
- Berberis vulgaris* var. *elegans* Hort. ex Schneider, Ill. Handb. Laubh. 1: 306 (1905), pro syn.
- Berberis elegans* Hort. ex Rehder, Man. Cult. Trees Shrubs, 244 (1927), pro syn.; non Lévillé (1904), nec Schneider (1905).
- B. lycioides** Stapf in Bot. Mag. 151: t. 9102 (1926).—Ahrendt in Jour. Bot. 80(Suppl.): 102 (1942).
- Ser. 9. INTEGERRIMAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 235 (1940).
- Berberis* sect. *Integerrimae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 458 (1905).
- B. nummularia** Bunge in Ind. Sem. Hort. Acad. Dorpat. 1843: 6 (1843); in Linnaea, 18: 149 (1844); in Arbeit. Naturf. Ver. Riga, 1: 130 (1847).—Schneider, Ill. Handb. Laubh. 1: 307, fig. 198p-q (1905); in Bull. Herb. Boissier, sér. 2, 5: 459 (1905).—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 559 (1937).
- Berberis densiflora* β. *nummularia* Boissier, Fl. Or. 1: 102 (1867).
- Berberis densiflora* γ. *serratifolia* Boissier, op. cit. 103 (1867).
- Berberis nummularia* var. *typica* Schneider in Bull. Herb. Boissier, sér. 2, 5: 460 (1905).
- Berberis vulgaris* var. *turcomanica* f. *nummularia* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- Berberis vulgaris* var. *turcomanica* f. *serratifolia* Voss, l. c. (1913).
- B. nummularia** var. *pyrocarpa* (Reg.) Schneider, l. c. (1905).
- Berberis integerrima* var. β. *pyrocarpa* Regel in Act. Hort. Petrop. 5: 228 (1877).
- Berberis vulgaris* var. *turcomanica* f. *pyrocarpa* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. iliensis** Popof in Ind. Sem. Hort. Bot. Almatensis [Alma-Ata] Acad. Sci. no. 3: 3 (1936).
- B. turcomanica** Karelin ex Ledebour, Fl. Ross. 1: 79 [1841].—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 558 (1937).
- Berberis integerrima* var. *turcomanica* Schneider in Bull. Herb. Boissier, sér. 2, 5: 461 (1905).
- Berberis vulgaris* var. *turcomanica* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. turcomanica** var. *integerrima* (Bge.) Schneider in New Fl. & Silva, 1: 133 (1929).
- Berberis integerrima* Bunge in Ind. Sem. Hort. Acad. Dorpat. 1843: 6 (1843); in Linnaea, 18: 149 (1844); in Arbeit. Naturf. Ver. Riga, 1: 129 (1847).—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 588 (1937).
- Berberis integerrima* a. *typica* Regel in Act. Hort. Petrop. 5: 227 (1877).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 461 (1905).
- B. turcomanica** var. *densiflora* (Boiss. & Buhse) Schneider in New Fl. & Silva, 1: 133 (1929).
- Berberis densiflora* Boissier & Buhse in Nouv. Mém. Soc. Nat. Moscou, 12: 9 (1860).—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 559 (1937).—Non Rafinesque (1838).
- Berberis integerrima* var. *densiflora* Schneider in Bull. Herb. Boissier, sér. 2, 5: 461 (1905).
- Berberis pycnophylla* Bienert in herb. ex Schneider, l. c. (1905), pro syn.

- Berberis pachyacantha* Bienert in herb. ex Schneider in op. cit. 562 (1905), pro syn.; non Koehne (1893).
- B. Vernae** Schneider in Sargent, Pl. Wilson. 1: 372 (1913); 3: 439, 440 (1917).—Stapf in Bot. Mag. 151: t. 9089 (1925).
- Berberis Caroli* var. *Hoanghensis* Schneider in Bull. Herb. Boissier, sér. 2, 5: 459 (1905).
- Berberis vulgaris* var. *turcomanica* f. *hoanghensis* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- Ser. 10. **HETEROPODAE** (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 236 (1940).
- Berberis* sect. *Heteropodae* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 90 (1899), nom. subnud.—Schneider in Bull. Herb. Boissier, sér. 2, 5: 457 (1905).
- B. heteropoda** Schrenk ex [Fischer & Meyer], Enum. Pl. Nov. Schrenk Lect. 102 (1841).—Schneider, Ill. Handb. Laubh. 1: 311, fig. 199h-1<sup>a</sup> (1905).
- Berberis heteropoda* a. *typica* Regel in Act. Hort. Petrop. 5: 226 (1877).
- B. notabilis** (*B. heteropoda* × ? *vulgaris*) Schneider in Jour. Arnold Arb. 4: 203 (1923).
- Ser. 11. **TSCHONOSKYANAE** (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 237 (1940).
- Berberis* sect. *Heteropodae* subsect. *Tschonoskyanae* Schneider in Bull. Herb. Boissier, sér. 2, 5: 458 (1905).
- B. oblonga** (Reg.) Schneider, Ill. Handb. Laubh. 1: 311 (1905, Feb.); in Bull. Herb. Boissier, sér. 2, 5: 458 (1905, Apr.).—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 556 (1937).
- Berberis heteropoda* δ. *oblonga* Regel in Act. Hort. Petrop. 5: 227 (1877).
- ?*Berberis heteropoda* γ. *elliptica* Regel, l. c. (1877).
- Berberis heterobotrys* E. Wolf in Bull. Appl. Bot. (Pl. Breed.) 11: 41 fig. 1204 (1918).
- B. Silva-Taroucana** Schneider in Sargent, Pl. Wilson. 1: 370 (1913).
- B. Mouillacana** Schneider in op. cit. 371 (1913).—Byhouwer in Jour. Arnold Arb. 9: 45 (1928).
- Ser. 12. **SINENSES** (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 237 (1940).
- Berberis* sect. *Sinenses* Schneider in Bull. Herb. Boissier, sér. 2, 5: 463 (1905).
- Berberis* sect. *Sieboldiae* Schneider in Mitt. Deutsch. Dendr. Ges. 1905(14): 118 (1905).
- B. Thunbergii** De Candolle, Reg. Veg. Syst. 2: 9 (1821).—Schneider, Ill. Handb. Laubh. 1: 309, fig. 197a-c (1905) "*thunbergii*"; in Bull. Herb. Boissier, sér. 2, 5: 463 (1905); in Jour. Arnold Arb. 4: 219 (1923) "*Thunbergii*".
- Berberis vulgaris* sensu Thunberg, Fl. Jap. 146 (1784), non Linnaeus (1753).
- Berberis cretica* sensu Thunberg, l. c. (1784), non Linnaeus (1753).
- Berberis Thunbergiana* Schultes, Syst. Veg. 7, 1: 6 (1829).
- Berberis sinensis* sensu K. Koch in Ann. Mus. Bot. Lugd.-Bat. 1: 252 (1864), non Desfontaines (1809).
- Berberis chinensis* sensu Franchet & Savatier, Enum. Pl. Jap. 1: 22 [1873], non *B. sinensis* Desf. (1809).
- Berberis Thunbergii* f. *uniflora* Dieck, Haupt-Kat. Zöschen Nachtr. 1: 7 (1887).—Koehne, Deutsche Dendr. 169 (1893) "a. a) u."
- Berberis thunbergii* var. *typica* Schneider, Ill. Handb. Laubh. 1: 310 (1905).
- Berberis vulgaris* var. *thunbergii* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- Berberis japonica* Hort. ex Rehder, Man. Cult. Trees Shrubs, 245 (1927), pro syn.; non R. Brown (1816).
- B. Thunbergii** f. *argenteo-marginata* Schneider in Jour. Arnold Arb. 4: 221 (1923).—Rehder, Man. Cult. Trees Shrubs, 246 (1927) "var."
- Berberis Thunbergii* "Silver Beauty" Anon. in Gard. Chron. ser. 3, 49: 10 fig. 10 (1911).
- B. Thunbergii** f. *atropurpurea* (Chenault), grad. nov.
- Berberis Thunbergii atropurpurea* Chenault in Rev. Hort. n. ser. 20: 307 (1926).
- B. Thunbergii** f. *minor* (Rehd.) Zabel in Beissner et al., Handb. Laubh.-Ben. 114 (1903) "(f.)"
- Berberis Thunbergii* var. *minor* Rehder in Möller's Deutsch. Gärtn.-Zeit. 13: 330 (1898).—Schneider, Ill. Handb. Laubh. 1: 310, fig. 197d (1905).
- Berberis Thunbergii* var. *Dawsonii* Bean, Trees Shrubs Brit. Isl. 1: 250 (1914).
- B. Thunbergii** f. *erecta* Rehder in Jour. Arnold Arb. 20: 412 (1939).
- Berberis Thunbergii pluriflora erecta* Anon. in Horticulture, 13: 48, fig. (1935).—Cole Nurs. Co., "Truhedge Columnberry," 16 pp., fig. (1936).
- B. Thunbergii** f. *pluriflora* Koehne, Deutsche Dendr. 169 (1893). "a. b) p."—Rehder in Bailey, Cycl. Am. Hort. [1]: 154 (1900) "var.", p. p.—Schneider, Ill. Handb. Laubh. 1: 310 (1905); in Jour. Arnold Arb. 4: 221 (1923) "var."; p. p.
- B. Thunbergii** var. *Maximowiczii* (Reg.) Regel in Act. Hort. Petrop. 2: 420 (1873).—Franchet & Savatier, Enum. Pl. Jap. 2: 272 (1879).—Schneider in Jour. Arnold Arb. 4: 221 (1923) "f."
- Berberis Maximowiczii* Regel in Gartenfl. 21: 238 (1872).
- B. ottawensis** (*B. Thunbergii* × *vulgaris*) Schneider in Silva Tarouca & Schneider, Uns. Freil.-Laubgeh. ed. 2, 116 (1922), nom. subnud; in Jour. Arnold Arb. 4: 221 (1923).
- Berberis Thunbergii* × *vulgaris* Jack in Gard. & For. 2: 272 (1889).—Anon. in U. S. Bur. Pl. Indust. Seeds Pl. Imp. Invent. 24: 17 (1911).
- Berberis Thunbergii* var. *pluriflora* Rehder in Bailey, Cycl. Am. Hort. [1]: 154 (1900), p. p.—Schneider in Jour. Arnold Arb. 4: 221 (1923), p. p.
- Berberis auricoma* Lemoine [Cat.] no. 199: 7 (1925).
- B. ottawensis** f. *purpurea* (Rehd.), grad. nov.
- Berberis ottawensis* var. *purpurea* Schneider ex Rehder, Man. Cult. Trees Shrubs, 246 (1927).
- B. virescens** Hooker f. in Bot. Mag. 116: t. 7116 (1890).—Schneider in Bull. Herb. Boissier, sér. 2, 8: 259 (1908).
- Berberis ignorata* Schneider in op. cit. 5: 661 (1905).
- Berberis vulgaris* var. *virescens* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. virescens** var. *macrocarpa* Bean, Trees Shrubs Brit. Isl. 1: 251 (1914).
- B. oritrepha** Schneider in Oester. Bot. Zeitschr. 67: 293 (1918).

**Berberis** (continued)

- B. Poiratii** Schneider in Mitt. Deutsch. Dendr. Ges. 1906 (15): 180 [1907]; in Repert. Sp. Nov. Reg. Veg. 6: 339 (1909); in Sargent, Pl. Wilson. 1: 372 (1913) "*Poiratii*".—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 557 (1937), exclud. syn. Poirat.
- Berberis sinensis* De Candolle, Reg. Veg. Syst. 2: 8 (1821), p. p.—Schneider in Bull. Herb. Boissier, sér. 2, 5: 655 (1905).—Non Desfontaines (1809).
- Berberis sinensis*  $\beta$ . *angustifolia* Regel in Act. Hort. Petrop. 2: 416 (1873).
- Berberis vulgaris* var. *poiretii* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- Berberis Poiratii* f. *weichangensis* Schneider in Sargent, Pl. Wilson. 1: 372 (1913).
- Berberis Poiratii* var. *angustifolia* (Reg.) Nakai, Fl. Sylv. Kor. 21: 66, t. 4 (1936).
- Berberis sinensis* f. *weichangensis* Schneid. ex Nakai, Fl. Sylv. Kor. 21: 67 (1936), pro syn.
- B. durobrivensis** (*B. canadensis*  $\times$  ?*Poiratii*) Schneider in Jour. Arnold Arb. 4: 206 (1923).
- B. Boschanii** Schneider in Sargent, Pl. Wilson. 1: 369 (1913).—Byhouwer in Jour. Arnold Arb. 9: 46 (1928).
- B. thibetica** Schneider in Repert. Sp. Nov. Reg. Veg. 6: 268 (1909).
- Berberis vulgaris* var. *thibetica* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. Lecomtei** Schneider in Sargent, Pl. Wilson. 1: 373 (1913).
- B. lepidifolia** Ahrendt in Kew Bull. 1939: 269 (1939).
- B. chinensis** Hort. Paris ex Poirat, Encycl. Méth. Bot. 8: 617 (1808).—Schneider in Jour. Arnold Arb. 4: 216 (1923).
- Berberis sinensis* Desfontaines, Tabl. École Bot. 150 (1804), nom.; Hist. Arb. Arbriss. 2: 27 (1809).—De Candolle, Reg. Veg. Syst. 2: 8 (1821), p. p.—Schneider in Mitt. Deutsch. Dendr. Ges. 1906(15): 179 [1907]; in Bull. Herb. Boissier, sér. 2, 8: 259 (1908) "*Poirat* (1808)".
- Berberis canadensis* sensu Guimpel, Otto & Hayne, Abb. Fremd. Holzart. 1: 79, t. 63 [1819–30], non Miller (1768), nec Pursh (1814).
- Berberis spathulata* Schrader in Linnaea, 12: 376 (1838).—Schneider in Mitt. Deutsch. Dendr. Ges. 1906(15): 179 [1907].
- ?*Berberis laxa* Rafinesque, Sylva Tellur. 68 (1838).
- Berberis* (*vulgaris*) *spathulata* Gordon in Gard. Mag. (London) 16: 2 (1840).
- Berberis aristata* var. *sinensis* K. Koch, Hort. Dendr. 18 (1853).
- Berberis Guimpeli* Koch & Bouché in Ind. Sem. Hort. Berol. 1854 (App.): 13 (1854).
- ?*Berberis intermedia* K. Koch, Dendrol. 1: 404 (1869).
- Berberis serotina* Lange in Ind. Sem. Hort. Bot. Haun 1872 (Adnot.): 5 (1872); in Bot. Tidskr. ser. 2, 2: 138, t. 4 (1879).
- Berberis vulgaris* var. *sinensis* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. laxiflora** [*B. ?chinensis*  $\times$  *vulgaris*] Schrader in Linnaea, 12: 367 (1838).—Schneider in Mitt. Deutsch. Dendr. Ges. 1906(15): 177 [1907]; in Jour. Arnold Arb. 4: 213 (1923).
- B. laxiflora** var. *oblanceolata* Schneider in op. cit. 214 (1923).
- Berberis laxiflora oblanceolata* Pammel & King in Proc. Iowa Acad. Sci. 27: 77, fig. 10d (1920), nom. subnud.
- B. laxiflora** var. *Langeana* Schneider in op. cit. 215 (1923).
- Berberis Guimpeli* hort. ex Schneider in op. cit. 216 (1923), pro syn.; non Koch & Bouché (1854).
- B. Meehanii** (*B. amurensis*  $\times$  ?*chinensis*) Schneider ex Rehder, Man. Cult. Trees Shrubs, 247 (1927).
- B. crataegina** De Candolle, Reg. Veg. Syst. 2: 9 (1821).—Schneider, Ill. Handb. Laubh. 1: 308, fig. 197r-t (1905, Feb.); in Bull. Herb. Boissier, sér. 2, 5: 657 (1905, June).—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 558 (1937).
- Berberis vulgaris* *?* *Iberica* De Candolle, Reg. Veg. Syst. 2: 6 (1821).—Steven & Fischer in litt. ex De Candolle, l. c. (1821), pro syn.
- Berberis iberica* Sweet, Hort. Brit. 13 (1826).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 656 (1905).
- Berberis vulgaris* var. *crataegina* Hooker f. & Thomson in Hooker f., Fl. Brit. Ind. 1: 109 (1872).
- Berberis crataegina* var. *typica* Schneider, l. c. (1905).
- B. cretica** Linnaeus, Sp. Pl. 331 (1753).—Schneider, Ill. Handb. Laubh. 1: 657, fig. 194d-f (1905); in Bull. Herb. Boissier, sér. 2, 5: 657 (1905).
- Berberis vulgaris* var. *cretica* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. canadensis** Miller, Gard. Dict. ed. 8, B. no. 2 (1768).—Schneider, Ill. Handb. Laubh. 1: 313, fig. 200a-f (1905); in Bull. Herb. Boissier, sér. 2, 5: 656 (1905).
- Berberis vulgaris*  $\gamma$ . *canadensis* Aiton, Hort. Kew. 1: 479 (1789).
- Berberis vulgaris* sensu Michaux, Fl. Bor.-Am. 1: 205 (1803), non Linnaeus (1753).
- Berberis pisifera* Rafinesque, Sylva Tellur. 68 (1838).
- Berberis caroliniana* Sweet, Hort. Brit. ed. 3, 19 (1839), nom.
- ?*Berberis Fischeri* Hort. ex K. Koch, Dendr. 1: 399 (1869), pro syn.
- Berberis angulizans* Hort. ex Massias in Gartenwelt, 1: 101, t. (1897).
- B. declinata** [*B. ?canadensis*  $\times$  *vulgaris*] Schrader in Linnaea, 12: 368 (1838).—Schneider in Mitt. Deutsch. Dendr. Ges. 1906(15): 177 (1907); in Jour. Arnold Arb. 4: 210 (1923).
- ?*Berberis crenulata* Schrader in Linnaea, 12: 362 (1838).—Schneider, l. c. (1923), pro syn.
- Berberis caroliniana* a. *B. declinata* K. Koch, Dendr. 1: 399 (1869).
- B. declinata** var. *oxyphylla* Schneider in Jour. Arnold Arb. 4: 212 (1923).
- B. Rehderiana** [*B. ?canadensis*  $\times$  *Fendleri*] Schneider, Ill. Handb. Laubh. 1: 312, fig. 199v-x (1905), pro spec.; in Bull. Herb. Boissier, sér. 2, 5: 659 (1905, June), pro spec.; in herb. Arnold Arb. 26. x. 1916 "*B. Fendleri*  $\times$  *caroliniana*?"—Rehder in Man. Cult. Trees Shrubs, 247 (1927).
- Berberis vulgaris* var. *rehderana* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. Fendleri** Gray in Mem. Am. Acad. Arts Sci. n. ser., 4: 5 (Pl. Fendler.) (1849).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 656 (1905).
- Berberis vulgaris* var. *fendleri* Voss, l. c. (1913).

- B. Sieboldi** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 69 (Prol. Fl. Jap. 1. 1866) (1865).—Rehder in Sargent, Trees & Shrubs, 1: 27, t. 14 (1902), exclud. syn.  
*Berberis vulgaris* var. *sieboldii* Voss, l. c. (1913).
- B. Bretschneideri** Rehder in Sargent, Trees & Shrubs, 2: 21, t. 110 (1907).—Schneider, Ill. Handb. Laubh. 2: 922, fig. 574i, 575a-e (1912).  
*Berberis vulgaris* var. *bretschneideri* Voss, l. c. (1913).
- B. koreana** Palibin in Act. Hort. Petrop. 17: 22, t. 1 (1899).—Nakai, Fl. Sylv. Kor. 21: 71, t. 7 (1936).
- B. reticulata** Byhouwer in Jour. Arnold Arb. 9: 132 (1928).
- B. Henryana** Schneider in Bull. Herb. Boissier, sér. 2, 5: 664 (1905); in Sargent, Pl. Wilson. 3: 440 (1917).  
*Berberis vulgaris* var. *henryana* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. Dielsiana** Fedde in Bot. Jahrb. 36, Beibl. 82: 41 (1905).—Schneider, in Sargent, Pl. Wilson. 3: 441 (1917).
- Ser. 13. DASYSTACHYAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 240 (1940).  
*Berberis* sect. *Vulgares* subsect. *Euvulgares* Schneider in Bull. Herb. Boissier, sér. 2, 5: 664 (1905), p. p.  
*Berberis* sect. *Vulgares* subsect. *Dasystachyae* Schneider in Mitt. Deutsch. Dendr. Ges. 1905(14): 118 (1906), p. p. typ.  
*Berberis* sect. *Dasystachyae* Schneider in Sargent, Pl. Wilson. 3: 442 (1917).
- B. dasystachya** Maximowicz in Bull. Acad. Sci. St. Pétersb. 23: 308 (in Mém. Biol. 9: 711) (1877).—Schneider in Sargent, Pl. Wilson. 3: 442 (1917).  
*Berberis vulgaris* var. *dasystachya* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. kansuensis** Schneider in Oester. Bot. Zeitschr. 67: 288 (1918); Anon. in Gard. Chron. ser. 3, 79: 313, fig. 165 (1926).
- Ser. 14. BRACHYPODAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 240 (1940).  
*Berberis* sect. *Vulgares* subsect. *Euvulgares* Schneider in Bull. Herb. Boissier, sér. 2, 5: 664 (1905), p. p.  
*Berberis* sect. *Vulgares* subsect. *Dasystachyae* Schneider in Mitt. Deutsch. Dendr. Ges. 1905(14): 118 [1906], p. p.  
*Berberis* sect. *Brachypodae* Schneider in Sargent, Pl. Wilson. 3: 440 (1917).
- B. Gilgiana** Fedde in Bot. Jahrb. 36, Beibl. 82: 43 (1905).—Schneider in Sargent, Pl. Wilson. 1: 375 (1913); 3: 440 (1917).—L. M. Ames in Bull. Arnold Arb. ser. 4, 5: 69, t. 16 (1937).  
*Berberis pubescens* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 273 (1910).  
*Berberis vulgaris* var. *gilgiana* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. mitifolia** Stapf in Bot. Mag. 154: t. 9236 (1931).  
*Berberis brachypoda* sensu Schneider in Sargent, Pl. Wilson. 1: 375 (1913), p. p.; in Möller's Deutsch. Gärt.-Zeit. 32: 90, fig. (1917); non Maximowicz (1877).  
*Berberis brachypoda* *Gibbsii* Anon. in Gard. Chron. ser. 3, 74: 239, fig. 92 (p. 251) (1923).
- B. brachypoda** Maximowicz in Bull. Acad. Sci. St. Pétersb. 23: 308 (in Mém. Biol. 9: 711) (1877); Fl. Tangut. 30, t. 7, fig. 8-13 (1889).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 664 (1905).
- Berberis vulgaris* var. *brachypoda* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. Giraldui** Hesse in Mitt. Deutsch. Dendr. Ges. 1913(22): 272, fig. [1914].—Schneider in Oester. Bot. Zeitschr. 67: 286 (1918).
- Ser. 15. VULGARES (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 241 (1940).  
*Berberis* sect. *Vulgares* Schneider in Bull. Herb. Boissier, sér. 2, 5: 660 (1905), p. p. typ.  
*Berberis* sect. *Vulgares* subsect. *Euvulgares* Schneider in op. cit. 664 (1905), p. p. typ.
- B. amurensis** Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 260 (1857).—Nakai, Fl. Sylv. Kor. 21: 68, t. 5 (1936).—Fedtchenko in Komarov, Fl. S. S. S. R. 7: 557 (1937).  
*Berberis vulgaris* var. *amurensis* Ruprecht ex Regel in Mém. Acad. Sci. St. Pétersb., sér. 7, 4: 14 (Tent. Fl. Ussur.) (1861); in Act. Hort. Petrop. 2: 414 (1873).—Korshinsky in Act. Hort. Petrop. 12: 302 (1892) "f".
- B. amurensis** var. *japonica* (Reg.) Rehder in Bailey, Cycl. Am. Hort. [1]: 154 (1900).  
*Berberis vulgaris* var. *japonica* Regel in Act. Hort. Petrop. 2: 415 (1873).  
? *Berberis vulgaris*, *latifolia* Ito, Fig. Descr. Pl. Koishik. Bot. Gard. 2: t. 5, fig. 1-4 (1883) "*B. vulgaris*" in tab.  
*Berberis japonica* Schneider, Ill. Handb. Laubh. 1: 315 (1905, Feb.); in Bull. Herb. Boissier, sér. 2, 5: 667 (1905, June); non R. Brown (1816).  
*Berberis Regeliana* Koehne in litt. ex Schneider, l. c. (1905, Feb.); l. c. (1905, June), pro syn.; in Mitt. Deutsch. Dendr. Ges. 1905: 119 (1905), nom. valid.; in Garden, 90: 264, fig. (1926).
- B. dictyoneura** Schneider in Sargent, Pl. Wilson. 1: 374 (1913).
- B. vulgaris** Linnaeus, Sp. Pl. 330 (1753).—Schneider in Bull. Herb. Boissier, sér. 2, 5: 668 (1905); in Jour. Arnold Arb. 4: 223 (1923).  
*Berberis dumetorum* Bauhin ex Miller, Fig. Beautif. Pl. 1: 42, t. 63 (1760), nom. prelinn.—Gouan, Fl. Monspel. 312 (1765).  
*Berberis officinarum* Gleditsch, Pflanzenverz. 57 (1773).  
*Berberis acida* Gilibert, Exerc. Phytol. 1: 284 (1792).  
*Berberis irritabilis* Salisbury, Prodr. Stirp. Chap. Allert. 213 (1796).  
*Berberis sylvestris* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 3: B. no. 3; t. 15, fasc. 3 [1807].  
*Berberis violacea* Poiteau & Turpin in op. cit. B. no. 2, t. 52, fasc. 9 [1808].  
? *Berberis latifolia* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. éd. augm., 3: B. no. 5; p. 60, t. 60, fasc. 10? (1808).—Non Ruiz & Pavon (1802).  
*Berberis racemosa* a. *rubra* Stokes, Bot. Mat. Med. 2: 296 (1812).  
*Berberis canadensis* Rafinesque, Med. Bot. 1: 82, t. 15 (1828), non Miller (1768).  
*Berberis articulata* Loiseleur-Deslongchamps in Dict. Sci. Nat. 58: 218 (1829).  
? *Berberis purpurea* Rafinesque, Sylva Tellur. 67 (1838).  
? *Berberis serrulata* Rafinesque, op. cit. 68 (1838).  
? *Berberis sulcata* K. Koch & Bouché in Appx. Ind. Sem. Hort. Berol. 1854: 13 (1854).—K. Koch, Dendr. 1: 395 (1869), sub *B. vulgaris*.  
*Berberis vulgaris* a. *normalis* Hooker f. & Thomson, Fl.



**Berberis vulgaris** (*continued*)

- Ind. 1: 220 (1855), p. p. — Dippel, Handb. Laubh. 3: 114 (1893).
- Berberis vulgaris* a. *normalis* a. *typica* Regel in Act. Hort. Bot. Petrop. 2: 411 (1873), p. p. — Fiori in Fiori & Paoletti, Fl. Anal. Ital. 529, fig. 1641 (1898) "*B. v.* var. *t.*" — Schneider in Bull. Herb. Boissier, sér. 2, 5: 668 (1905) "*B. v.* var. *t.*"
- ?*Berberis vulgaris* f. *normalis* subf. *sulcata* Zabel in Beissner et al., Handb. Laubh.-Ben. 111 (1903).
- Berberis vulgaris* subsp. *euvulgaris* Briquet, Prodr. Fl. Cors. 1: 639 (1910).
- B. vulgaris** f. *marginata* Regel in Act. Hort. Petrop. 2: 412 (1871) "*a. normalis* k. m."
- Berberis vulgaris* 4c. *marginata* Kuntze, Taschen-fl. Leipz. 170 (1867), p. p.
- Berberis vulgaris* (f.) *argenteo-marginata* Usteri in Mitt. Deutsch. Dendr. Ges. 1899(8): 93 (1899). — Schneider in Jour. Arnold Arb. 4: 225 (1923).
- Berberis vulgaris* (subf.) *albo-variegata* Zabel in Beissner et al., Handb. Laubh.-Ben. 111 (1903), nom. — Rehder in Bailey, Stand. Cycl. Hort. 1: 489 (1914) "var."
- Berberis vulgaris* f. *albimarginata* et f. *albiariegata* Voss in Putlitz & Meyer, Landlex. 5: 709 (1913).
- B. vulgaris** f. *aureo-marginata* Regel in Act. Hort. Petrop. 2: 412 (1873) "*a. normalis* l. a." — Voss in Putlitz & Meyer, Landlex. 5: 709 (1913) "*f. aureimarginata*". — Schneider in Jour. Arnold Arb. 4: 226 (1923).
- Berberis vulgaris* var. *marginata* aurea Jäger, Ziergeh. 127 (1865).
- Berberis vulgaris* 4c. *marginata* Kuntze, Taschen-fl. Leipz. 170 (1867), p. p.
- Berberis vulgaris* var. a. *B. marginata* Mouillefert, Traité Arb. Arbriss. 1: 146 (1891).
- Berberis vulgaris* *variegata* Nicholson in Garden, 35: 265 (1889).
- B. vulgaris** f. *atropurpurea* Regel in Gartenfl. 9: 2, t. 278, fig. 1 (1860); in Act. Hort. Petrop. 2: 412 (1873) "*a. normalis* n. a." — Voss in Putlitz & Meyer, Landlex. 5: 709 (1913) "*f. atropurpurea*".
- Berberis vulgaris* var. *purpurea* Bertin ex Jacques & Herincq, Man. Pl. Arb. 1: 52 (1847), non De Candolle (1821).
- Berberis vulgaris* o. *B. purpurea* Hort. ex Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 4: 75 (1861).
- Berberis vulgaris* g. *B. atropurpurea* Lauche, Deutsch. Dendr. 367 (1880).
- B. vulgaris** f. *lutea* (DC.) Voss in Putlitz & Meyer, Landlex. 5: 709 (1913). — Schneider in Jour. Arnold Arb. 4: 228 (1923).
- Berberis vulgaris* β. *lutea* De Candolle, Reg. Veg. Syst. 2: 6 (1821).
- Berberis vulgaris* (f.) *normalis* (subf.) *xanthocarpa* Zabel in Beissner et al., Handb. Laubh.-Ben. 111 (1903).
- B. vulgaris** f. *alba* [Weston] Voss in Putlitz & Meyer, Landlex. 5: 709 (1913). — Schneider in Jour. Arnold Arb. 4: 227 (1923).
- Berberis vulgaris* 3. *alba* Weston, Bot. Univ. 1: 20 (1770). — De Candolle, Reg. Veg. Syst. 2: 6 (1821) "γ."
- Berberis alba* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 3: B. no. 2, t. 52, fasc. 9 [1808].
- Berberis vulgaris* δ. *flava* Schrader in Linnaea, 12: 364 (1838).
- Berberis vulgaris* 1c. *leucocarpa* Kuntze, Taschen-fl. Leipz. 170 (1867).

- B. vulgaris** f. *enuclea* (West.) Schneider in Jour. Arnold Arb. 4: 227 (1923).
- Berberis vulgaris enuclea* Weston, Fl. Angl. (Engl. Fl.) 4 (1775).
- Berberis vulgaris* γ. *asperma* Willdenow, Berlin. Baumz. 34 (1796). — Stokes, Bot. Mat. Med. 2: 297 (1812) "*β. asperma*". — Voss in Putlitz & Meyer, Landlex. 5: 709 (1913) "f."
- Berberis abortiva* Renault, Fl. Dép. Orne, 179 (1804).
- Berberis vulgaris* var. *sterilis* Desfontaines, Hist. Arb. 2: 27 (1809).
- Berberis vulgaris* e. *apyrena* Schrader in Linnaea, 12: 364 (1838).
- Berberis vulgaris* 3b. *degener* Kuntze, Taschen-fl. Leipzig, 170 (1867).
- B. vulgaris** f. *dulcis* (Loud.) Zabel in Beissner et al., Handb. Laubh.-Ben. 111 (1903) "(f.)" — Schneider in Jour. Arnold Arb. 4: 227 (1923).
- Berberis vulgaris* var. 7. *dulcis* Loudon, Arb. Brit. 1: 301 (1838). — Regel in Act. Hort. Petrop. 2: 411 (1873) "*a. normalis* c. d."
- Berberis dulcis* Hort. Angl. ex Schrader in Linnaea, 12: 374 (1838), pro syn.; non Sweet (1823).
- Berberis vulgaris* f. *B. mitis* Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 4: 75 (1861), non *B. mitis* Schrader (1838).
- Berberis vulgaris* var. *edulis* et var. *mitis* Jäger, Ziergeh. 127 (1865).
- Berberis vulgaris* 2b. *glycyarpa* Kuntze, Taschen-fl. Leipzig, 170 (1867).
- B. emarginata** [*B. sibirica* × *vulgaris*] Willdenow, Enum. Pl. Hort. Berol. 395 (1809). — Schneider in Jour. Arnold Arb. 4: 193 (1923).
- Berberis dentata* Tausch in Flora, 21: 799 (1838).
- Berberis vulgaris* var. *emarginata* Gordon in Gard. Mag. (London), 16: 2 (1840).
- Berberis vulgaris* ξ. *microphylla* Regel in Act. Hort. Petrop. 2: 414 (1873).
- B. emarginata** var. *britzensis* Schneider in Jour. Arnold Arb. 4: 195 (1923).
- B. provincialis** [*B. ?sibirica* × *vulgaris*] (Audib.) Schrader in Linnaea, 12: 381 (1838). — Schneider in Jour. Arnold Arb. 4: 195 (1923).
- Berberis vulgaris* var. *provincialis* Audibert, Cat. Pépin. 1831/2 (pt. 2): 6 (1831), nom.
- B. provincialis** var. *serrata* (Koehne) Schneider in Jour. Arnold Arb. 4: 196 (1923).
- ?*Berberis Fischeri* Hort. ex K. Koch, Dendr. 1: 399 (1869), pro syn.
- Berberis serrata* Koehne, Deutsche Dendr. 170 (1893).
- Berberis microphylla* var. *serrata* Hort. Kew. ex Schneider in Jour. Arnold Arb. 4: 196 (1923), pro syn.
- B. aetnensis** Presl, Fl. Sicul. 1: 28 (1826). — Schneider in Bull. Herb. Boissier, n. sér. 5: 660 (1905).
- Berberis vulgaris* η. *aetnensis* Regel in Act. Hort. Petrop. 2: 414 (1873).
- Berberis aetnensis* var. *typica* Schneider, l. c. (1905).

Fam. **MENISPERMACEAE**

- MENISPERMACEAE** De Candolle, Prodr. 1: 95 (1824), exclud. trib. I et III. — Bentham & Hooker f., Gen. Pl. 1: 30, 958 (1862, 1867). — Diels in Engler, Pflanzenreich, IV. 94 (Heft 46): 1–345, fig. (1910).
- Menispermaceae* Jaume St. Hilaire, Expos. Fam. Nat. 2: 82

- (1805), exclud. gen. nonnull. — De Candolle, Reg. Veg. Syst. 1: 509 [1817].
- Menispermaceae* trib. *Menispermeae* De Candolle, Prodr. 1: 96 (1824).
- Menispermideae* Juss. trib. 2. *Menispermeae* Dumortier, Anal. Fam. Pl. 50 (1829), nom. subnud.
- Laurineae* 1. *Menispermeae* Reichenbach, Handb. Nat. Pflanzensyst. 176 (1837), nom. subnud.
- CALYCOCARPUM** Nuttall ex Torrey & Gray, Fl. N. Am. 1: 48 (1838). — Bentham & Hooker f., Gen. Pl. 1: 35 (1862). — Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 128 (1910).
- Typus: *Menispermum Lyoni* Pursh = *C. Lyoni* (Pursh) Gray.
- C. Lyoni** (Pursh) Gray in Torrey & Gray, l. c. (1838). — Britton & Brown, Ill. Fl. N. U. S. 2: 93, fig. 1647 (1897). — Diels, l. c. fig. 46 (1910).
- Menispermum Lyoni* Pursh, Fl. Am. Sept. 2: 370 (1814). — De Candolle, Reg. Veg. Syst. 1: 541 (1818).
- COCCULUS** De Candolle, Reg. Veg. Syst. 1: 515 [1817]. — Bentham & Hooker f., Gen. Pl. 1: 36 (1862). — Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 227 (1910). — Nom. Conserv.; cf. Regl. Intern. Nomencl. Bot. 79, no. 2570 (1906).
- Cebatha* Forskål, Fl. Aegypt.-Arab. 171 (1775). — Kuntze, Rev. Gen. Pl. 1: 9 (1891).
- Leæba* Forskål, op. cit. 172 (1775).
- Epibaterium* Forskål, Char. Gen. 107 (1776).
- Nephroia* Loureiro Fl. Cochinch. 2: 565 (1790). — Miers in Ann. Mag. Nat. Hist. ser. 2, 7: 42 (1851); Contrib. Bot. 3: 259, t. 125 (1871) "*Nephroica*".
- Baumgartia* Moench, Meth. Pl. 650 (1794).
- Androphylax* Wendland, Bot. Beobacht. 37 (1798).
- Wendlandia* Willdenow, Sp. Pl. 2: 275 (1799).
- Braunea* Willdenow, Sp. Pl. 4: 2: 797 [1806].
- Cocculidium* Spach, Hist. Nat. Vég. Phan. 8: 16 (1839).
- Adenocheton* Fenzl in Flora, 27: 312 (1844).
- Holopeira* Miers in Ann. Mag. Nat. Hist. ser. 2, 7: 42 (1851); Contrib. Bot. 3: 270 (1871).
- Bricchetia* Pax in Ann. Istit. Bot. Roma, 6: 181 (1897).
- LECTOTYPUS: *Menispermum villosum* Lam. = *C. villosus* (Lam.) DC.
- C. carolinus** (L.) De Candolle, Reg. Veg. Syst. 1: 524 (1818). — Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 230 (1910).
- Menispermum virginicum* Linnaeus, Sp. Pl. 340 (1753).
- Menispermum carolinum* Linnaeus, l. c. (1753).
- Baumgartia scandens* Moench, Meth. Pl. 650 (1794).
- Androphylax scandens* Wendland, Bot. Beobacht. 2: 38 (1798); Hort. Herrenh. 3: t. 16 (1798).
- Wendlandia populifolia* Willdenow, Sp. Pl. 2: 275 (1799).
- Cocculus enneandra* Eichler in Martius, Fl. Brasil. 13, 1: 184, t. 42, fig. 5 (1864).
- Cocculus sagittaeifolius* Miers in Ann. Mag. Nat. Hist. ser. 3, 19: 23 (1867), nom.; Contrib. Bot. 3: 255 (1871).
- Menispermum enneandrum* Miers, Contrib. Bot. 3: 392 (1871).
- Cebatha virginica* Kuntze, Rev. Gen. Pl. 1: 9 (1891).
- Cebatha carolina* Britton in Mem. Torrey Bot. Club, 5: 162 (1894).
- C. trilobus** (Thunb.) De Candolle, Reg. Veg. Syst. 1: 522 (1818). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 388 (1913).
- Menispermum orbiculatum* Thunberg, Fl. Jap. 194 (1784), non Linnaeus (1753).
- Menispermum trilobum* Thunberg, l. c. (1784).
- Cocculus Thunbergii* De Candolle, Reg. Veg. Syst. 1: 524 [1817]. — Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 29: 70 (in Mém. Biol. 11: 651) (1883).
- Cocculus cynanchoides* Presl, Reliq. Haenk. 2: 79 (1930).
- Nephroica triloba* Miers in Ann. Mag. Nat. Hist. ser. 2, 7: 42 (1851); Contrib. Bot. 3: 266 (1871).
- Nephroica caudata* Miers in op. cit., ser. 3, 19: 26 (1867), nom.; op. cit. 3: 263 (1871).
- Nephroica Thunbergii* Miers, l. c. (1867); op. cit. 263 (1871).
- Nephroica dilatata* Miers, l. c. (1867), nom.; op. cit. 264 (1871).
- Nephroica cynanchoides* Miers, l. c. (1867), nom.; op. cit. 267 (1871).
- Nephroica pycnantha* Miers, l. c. (1867), nom.; op. cit. 268 (1871).
- Holopeira fecunda* Miers in op. cit. 29 (1867); op. cit. 275 (1871).
- Cebatha orbiculata* Kuntze, Rev. Gen. Pl. 1: 9 (1891).
- Cocculus orbiculatus* Schneider, Ill. Handb. Laubh. 1: 806 (1906).
- SINOMENIUM** Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 254 (1910).
- Typus: *Cocculus diversifolius* Miq. = *S. acutum* (Thunb.) Rehder & Wils.
- S. acutum** (Thunb.) Rehder & Wilson in Sargent, Pl. Wilson. 1: 387 (1913).
- Menispermum acutum* Thunberg, Fl. Jap. 193 (1784). — De Candolle, Reg. Veg. Syst. 1: 541 [1817].
- Cocculus diversifolius* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 10 (Prol. Fl. Jap. 198) (1867). — Franchet & Savatier, Enum. Fl. Jap. 1: 20 [1873]. — Non De Candolle [1817].
- Cebatha Miqueliana* Kuntze, Rev. Gen. Pl. 1: 9 (1891).
- Cocculus heterophyllus* Hemsley & Wilson in Kew Bull. 1906: 150 (1906).
- Menispermum diversifolium* Gagnepain in Bull. Soc. Bot. France, 55: 38 (1908), non Prantl (1891).
- Cocculus* ? *acutus* Makino in Bot. Mag. Tokyo, 22: 172 (1908).
- Sinomenium diversifolium* Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 254 (1910).
- S. acutum** var. *cinereum* (Diels) Rehder & Wilson in Sargent, Pl. Wilson. 1: 387 (1913).
- Cocculus diversifolius* var. *cinereus* Diels in Bot. Jahrb. 36, Beibl. 82: 45 (1905).
- Menispermum diversifolium* var. *molle* Gagnepain in Bull. Soc. Bot. France, 55: 39 (1908).
- Sinomenium diversifolium* var. *cinereum* Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 255 (1910).
- MENISPERMUM** Linnaeus, Sp. Pl. 240 (1753); Gen. Pl. ed. 5, 158, no. 413 (1754). — De Candolle, Prodr. 1: 102 (1824). — Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 255 (1910).
- LECTOTYPUS: *M. canadense* L.
- M. canadense** Linnaeus, Sp. Pl. 340 (1753). — Torrey & Gray, Fl. N. Am. 1: 47 (1838). — Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 257, fig. 86 (1910).
- Cissampelos smilacina* Linnaeus, Sp. Pl. 1032 (1753).
- Menispermum smilacinum* De Candolle, Reg. Veg. Syst. 1: 541 [1817].
- Menispermum diversifolium* Prantl in Engler & Prantl, Nat. Pflanzenfam. III. 2: 83 (1891).

**Menispermum** (continued)

**M. dauricum** De Candolle, Reg. Veg. Syst. 1: 540 [1817]; Prodr. 1: 102 (1824).—Ledebour, Fl. Ross. 1: 78 [1841] "*davuricum*".—Turczaninov, Fl. Baical.-Dahur. 1: 90 (1842) "*dahuricum*".—Komarov in Act. Hort. Petrop. 22: 332 (1904).—Diels in Engler, Pflanzenreich, IV. 94 (Heft 48): 258 (1910) "*dahuricum*".—Komarov, Fl. S. S. R. 7: 563, t. 38, fig. 11–17 (1937) "*dahuricum*".

*Menispermum canadense* var. *β*. Lamarck, Encycl. Méth. Bot. 4: 95 (1797).

Fam. **TROCHODENDRACEAE**

TROCHODENDRACEAE Prantl in Nat. Pflanzenfam. III. 2: 21 [1888], p. p. quoad *Trochodendron*.—Harms in Nat. Pflanzenfam. Nachtr. 3: 110 (1908), p. p. quoad *Trochodendron*.—Hutchinson, Fam. Flow. Pl. 1: 85 (1926), p. p. quoad *Trochodendron*.—Makino & Nemoto, Nippon-Shokub.-Sôran, ed. 2, 307 (1931).—A. C. Smith in Jour. Arnold Arb. 26: 129 (1945).—Croizat in Bull. Torrey Bot. Club, 74: 62 (1947).

Magnoliaceae subord. *Illiciaceae* Endlicher, Enchir. Bot. 428 (1841), p. p. quoad *Trochodendron*.—Walpers, Repert. Bot. Syst. 1: 72 (1842) "trib.", quoad *Trochodendron*.

Magnoliaceae *π*. *Winteraeae* Lindley, Veg. Kingd. 419 (1846), quoad *Trochodendron*.

*Trochodendreae* Seemann in Jour. Bot. 2: 238 (1864), exclud. *Euptelea*; nom. tentat.—Eichler in Flora 48: 12 (1865), exclud. *Euptelea*.

Magnoliaceae trib. *Trochodendreae* Benth. & Hooker f., Gen. Pl. 1: 954 (1867), exclud. *Euptelea*.

*Trochodendraceae* *π*. *Trochodendroideae* Harms in Ber. Deutsch. Bot. Ges. 15: 359 (1897).

**TROCHODENDRON** Siebold & Zuccarini, Fl. Jap. 1: 83, t. 39 [1838].—Benth. & Hooker f., Gen. Pl. 1: 954 (1867).—Harms in Nat. Pflanzenfam. Nachtr. 3: 111 (1908).

*Gymnanthus* Junghuhn in Tijdschr. Nat. Geschied. Phys. 7: 308 (1840).

Typus: *T. aralioides* Sieb. & Zucc.

**T. aralioides** Siebold & Zuccarini, Fl. Jap. 1: 84, t. 39 [1838].—Hooker f. in Bot. Mag. 120: t. 7375 (1874).—A. C. Smith in Jour. Arnold Arb. 26: 131 (1945).—Bailey & Nast in Jour. Arnold Arb. 26: 150, t. 5 (1945).

*Gymnanthus paradoxus* Junghuhn, l. c. (1840).

*Trochodendron longifolium* Maximowicz in Ind. Sem. Hort. Petrop. 1865: 34 (1865), nom.—Nakai in Jour. Jap. Bot. 3: 86, fig. (1926).

*Trochodendron aralioides* var. *longifolium* Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 145 (in Mém. Biol. 8: 371. 1871) (1872).

*Trochodendron aralioides* var. *genuinum* Maximowicz in op. cit. 146 (372. 1871) (1872).

Fam. **CERCIDIPHYLLACEAE**

CERCIDIPHYLLACEAE [Van Tieghem in Jour. de Bot. 14: 274 (1900) "Cercidiphyllacées".—] Harms in Nat. Pflanzenfam. Nachtr. 3: 111, in textu (1906).—Graebner in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,2: 544 (1923) "*Cercidiphyllaceae*".—Hutchinson, Fam. Flow. Pl. 1: 86 (1926).

*Trochodendraceae* Prantl in Nat. Pflanzenfam. III. 2: 21 [1888], quoad gen. 1.

*Trochodendraceae* subfam. I. *Eupteleoideae* Harms in Ber.

Deutsch. Bot. Ges. 15: 359 (1897, June), quoad. gen. 1. *Hamamelidaceae* trib. *iv*. Solereder in Ber. Deutsch. Bot. Ges. 17: 398, 405 (1899).

**CERCIDIPHYLLUM** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,3: 238 (Fl. Jap. Fam. Nat. 2: 114) (1846).—Graebner in Ascherson & Graebner, Syn. Mitteleur. Fl. 5,2: 544 (1923) "*Cercidiphyllum*".

Typus: *C. japonicum* Sieb. & Zucc.

**C. japonicum** Siebold & Zuccarini ex J. Hoffmann & Schultes in Jour. Asiatique, sér. 4, 20: 282 (Noms Indig. Pl. Jap. China, 26. 1853) (1852).—Solereder in Ber. Deutsch. Bot. Ges. 17: 387 (1899).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 316 (1913).—Harms in Mitt. Deutsch. Dendr. Ges. 1917(26): 72, fig., t. 1–5 (1918).

**C. japonicum** var. *sinense* Rehder & Wilson in Sargent, Pl. Wilson. 1: 316 (1913).

Fam. **TETRACENTRACEAE**

TETRACENTRACEAE [Harms in Ber. Deutsch. Bot. Ges. 15: 357 (1897), nom. provis.—Van Tieghem in Jour. de Bot. 14: 355 (1900) "Tetracentracées".—] A. C. Smith in Jour. Arnold Arb. 26: 135 (1945).—Croizat in Bull. Torrey Bot. Club, 74: 64 (1947).

Magnoliaceae *iv*. *Tetracentreae* Harms in Nat. Pflanzenfam. 1: 158 (1897).

Magnoliaceae *v*. *Tetracentroideae* Harms in Ber. Deutsch. Bot. Ges. 15: 359 (1897).

**TETRACENTRON** Oliver in Hooker's Icon. Pl. 19: t. 1892 (1889).—Harms in Ber. Deutsch. Bot. Ges. 15: 350 (1897).

Typus: *T. sinense* Oliv.

**T. sinense** Oliver in Hooker's Icon. Pl. 19: t. 1892 (1889).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 417 (1913).—A. C. Smith in Jour. Arnold Arb. 26: 137 (1945).—Bailey & Nast in Jour. Arnold Arb. 26: 150, t. 6 (1945).

Fam. **EUPTELEACEAE**

EUPTELEACEAE [Van Tieghem in Jour. de Bot. 14: 274 (1900) "Euptéléacées".—Harms in Nat. Pflanzenfam. Nachtr. 2: 111 [1906], pro syn.—Hayata in Bot. Mag. Tokyo, 39 (230) (1925) "*Eupteleaceae*".—] Makino & Nemoto, Nippon-Shokub.-Sôran, ed. 2, 306 (1931).—A. C. Smith in Jour. Arnold Arb. 27: 175 (1946).

Magnoliacées *iv*. *Eupteleaeae* Baillon, Hist. Pl. 1: 191 (1867–69), exclud. *Trochodendron*.

Euptélées Parmentier in Bull. Sci. Bot. France Belg. 27: 175, 318 (1896), exclud. *Trochodendron*.

*Trochodendraceae* Lee, For. Bot. China, 449 (1935), quoad *Euptelea*.—Chen, Ill. Man. Chin. Trees Shrubs, 257 (1937), quoad *Euptelea*.

**EUPTELEA** Siebold & Zuccarini, Fl. Jap. 1: 133 (1835).—Benth. & Hooker f., Gen. Pl. 1: 954 (1867).—A. C. Smith in Jour. Arnold Arb. 27: 176 (1946).

Typus: *E. polyandra* Sieb. & Zucc.

**E. polyandra** Siebold & Zuccarini, Fl. Jap. 1: 133, t. 72 (1835).—A. C. Smith in op. cit. 177 (1946).

*Euptelea polygama* Sieb. & Zucc. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 565 (1900), sphalm.

- E. pleiosperma** Hooker & Thomson in Jour. Linn. Soc. Lond. Bot. 7: 240, t. (1864).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 313 (1913).—A. C. Smith in op. cit. 180 (1946).  
*Euptelea Griffithii* Hook. f. & Thoms. ex Baillon, Hist. Pl. 1: 162 (1867–9).  
*Euptelea Davidiana* Baillon in Adansonia, 11: 305 (1875).—Hemsley in Hooker's Icon. Pl. 28: t. 2787 (1905).  
*Euptelea pleurosperma* Groppler in Bibl. Bot. 6(Heft 31): 21, t. 1, 2, fig. 8, t. 3, fig. 9 (1894), sphalm.  
*Euptelea Francheti* Van Tieghem in Jour. de Bot. 14: 271, 273 (1900).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 314 (1913) "*Franchetii*".  
*Euptelea Delavayi* Van Tieghem, l. c. (1900).  
*Euptelea polyandra* sensu Diels in Bot. Jahrb. 29: 346 (1900).—Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 267 (1910).—Non Siebold & Zuccarini (1835).  
*Euptelea minor* Ching in Sunyatsenia, 6: 15, t. 1 (1941).

Fam. **MAGNOLIACEAE**

- MAGNOLIACEAE** Jaume St. Hilaire, Expos. Fam. Nat. 2: 74 (1805).—Bentham & Hooker f., Gen. Pl. 1: 16 (1862).—Nakai, Fl. Sylv. Kor. 20: 96 (1833).  
*Magnolia* Jussieu, Gen. Pl. 28 (1789).  
*Tulipiferae* Ventenat, Tab. Règne Vég. 3: 68 (1799), p. p. typ.  
*Magnoliaceae* trib. *Magnolieae* De Candolle in De Candolle, Prodr. 1: 79 (1824).  
*Ranunculaceae* 3. *Magnolieae* Reichenbach, Handb. Nat. Pflanzensyst. 278 (1837).  
*Magnoliaceae* sect. *Magnolineae* Spach, Hist. Nat. Vég. Phan. 7: 433 (1839).  
*Paeoniaceae* trib. *Dillenariiae* d. *Magnolieae* Horaninov, Char. Ess. Fam. Reg. Veg. 175 (1847).  
*Magnoliaceae* subfam. *Magnolioideae* Harms in Ber. Deutsch. Bot. Ges. 15: 358 (1897).

- MAGNOLIA** Linnaeus, Sp. Pl. 535 (1753); Gen. Pl. 140, no. 610 (1754).—De Candolle, Prodr. 1: 79 (1824), exclud. sp. 13, 15, 17.—Dandy in Jour. Roy. Hort. Soc. 52: 260 (1927).—Millais, Magnolias, 251 pp., 34 t. (1927).—Nakai, Fl. Sylv. Kor. 20: 116 (1933).  
*Kobus Kaempfer* ex Nieuwland in Am. Midland Nat. 3: 297 (1914), nom. prae-Linn.  
 TYPUS: *M. virginiana* L.

Subgen. I. **MAGNOLIA** (DC.), grad. nov.

- Magnolia* sect. I. *Magnolia* De Candolle, Reg. Veg. Syst. 1: 450 [1817].  
*Magnolia* sect. *Magnoliastrum* De Candolle, Prodr. 1: 81 (1824).—Rehder, Man. Cult. Trees Shrubs, 253 (1927) "subgen."  
*Tulipastrum* Spach, Hist. Nat. Vég. Phan. 7: 481 (1839).  
*Magnolia* sect. *Oyama* Nakai, Fl. Sylv. Kor. 20: 117 (1933).  
*Magnolia* sect. *Cophanthera* Dandy in Bot. Mag. 159: t. 9467, p. [2] (1936).  
**M. acuminata** (L.) Linnaeus, Syst. Nat. ed. 10, 2: 1082 (1759).—Sargent, Silva N. Am. 1: 7, t. 4, 5 (1891).—Pampanini in Bull. Soc. Tosc. Ort. 40: 151 (1915).  
*Magnolia virginiana* e. *acuminata* Linnaeus, Sp. Pl. 536 (1753).  
*Magnolia Decandollii* Savi in Bibl. Ital. (Milano) 16: 224, t. (1819).  
*Magnolia maxima* Lodd. ex Loudon, Hort. Brit. 226 (1830), nom.—C. de Vos, Handb. Boom. Heest. ed. 2, 113 (1887).

*Tulipastrum americanum* var. *vulgare* Spach, Hist. Nat. Vég. Phan. 7: 483 (1839).

*Magnolia gigantea* [Hort. ex] C. de Vos, l. c. (1887), pro syn.

*Tulipastrum acuminatum* (L.) Small, Fl. Southeast. U. S. 451, 1331 (1903).

*Kobus acuminata* Nieuwland in Am. Midland Nat. 3: 297 (1914).

**M. cordata** Michaux, Fl. Bor.-Am. 1: 328 (1803).—Torrey & Gray, Fl. N. Am. 1: 43 (1838).—Sargent, Man. Trees N. Am. ed. 2, 344, fig. 311 (1922).

*Magnolia acuminata* var. *cordata* Sargent in Am. Jour. Sci. ser. 3, 32: 473 (1886); Silva N. Am. 1: 8, t. 6 (1891).—W. C. Coker in Jour. Elisha Mitchell Sci. Soc. 59: 87, fig. 5, 6, t. 17, 19 (1943).

*Tulipastrum cordatum* (Michx.) Small, Fl. Southeast. U. S. 451, 1331 (1903).

**M. macrophylla** Michaux, Fl. Bor.-Am. 1: 327 (1803).—Sargent, Silva N. Am. 1: 11, t. 7, 8 (1891).

*Magnolia Michauxia* Hort. ex De Candolle, Reg. Veg. Syst. Nat. 1: 455 [1817], pro syn.

*Magnolia Michauxii* [Hort. ex] C. de Vos, Handb. Boom. Heest. 112 (1885), pro syn.

*Magnolia Michauxiana* Hort. ex DC. ex B. D. Jackson in Index Kew. 2: 146 [1894], pro syn.

**M. Ashei** Weatherby in Rhodora, 28: 35 (1926).—Small in Jour. New York Bot. Gard. 34: 150, fig. 1 (1933).

**M. Fraseri** Walter, Fl. Carol. 159 (1788).—Sargent, Silva N. Am. 1: 15, t. 11, 12 (1891).

*Magnolia auriculata* Bartram, Travels N. & S. Carol. 320 (nom.), 339 (descr. "*M. auriculato*") (1791).—Desrousseaux in Lamarck, Encycl. Méth. Bot. 3: 673 [1791].—Merrill in Bartonica, 23: 28 (1945).

*Magnolia auricularis* Salisbury, Parad. Londin. t. 43 [1806].

**M. pyramidata** Bartram, Travels N. & S. Carol. 6(nom.), 340 (*Magnolia* [sp. nov.] e Georgia), 408 (1791).—Pursh, Fl. Am. Sept. 2: 282 (1814).—Sargent, Trees Shrubs, 1: 101, t. 51 (1903).—Merrill in Bartonica, 23: 29 (1945).

*Magnolia auriculata* β. *pyramidata* Nuttall, Gen. Pl. 2: 13 (1818).

*Magnolia Fraseri* sensu Chapman, Fl. South. U. S. 14 (1865), p. p.—Sargent, Silva N. Am. 1: 15 (1891), p. p.—Non Walter (1788).

*Magnolia Fraseri* var. *pyramidata* (Bartr.) Pampanini in Bull. Soc. Tosc. Ort. 40: 230 (1915).

**M. tripetala** Linnaeus, Syst. Nat. ed. 10, 2: 1082 (1759).—Sargent, Silva, N. Am. 1: 13, t. 9, 10 (1891).

*Magnolia virginiana* δ. *tripetala* Linnaeus, Sp. Pl. 536 (1753).

*Magnolia Umbrella* Desrousseaux in Lamarck, Encycl. Méth. Bot. 3: 673 [1791].

*Magnolia frondosa* Salisbury, Prodr. Stirp. Chap. Allert. 379 (1797).

*Magnolia umbellata* Hort. ex Schneider, Ill. Handb. Laubh. 1: 333 (1905) pro syn.

*Kobus tripetala* Nieuwland in Am. Midland Nat. 3: 297 (1914).

**M. Thompsoniana** (*M. tripetala* × *virginiana*) (Loud.) C. de Vos in Nederl. Fl. & Pomon. 131, t. 43 (1876).—Sargent in Gard. & For. 1: 268, fig. 43 (1888).

*Magnolia glauca* γ. *major* Sims in Bot. Mag. 47: t. 2164 (1820).

**Magnolia Thompsoniana** (*continued*)

- Magnolia glauca* var. *Thompsoniana* in Trans. Hort. Soc. Lond. **3**: 205 (1822).
- Magnolia glauca* var. *Thompsoniana* Loudon, Arb. Brit. **1**: 267 (1838).
- Magnolia major* Schneider, Ill. Handb. Laubh. **1**: 334 (1905).
- M. obovata** Thunberg in Trans. Linn. Soc. Lond. **2**: 336 (1794), exclud. syn. "Mokkwuren." — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 406 (1913). — Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, **2**: 27, t. 44 (1927).
- Magnolia glauca* sensu Thunberg, Fl. Jap. 236 (1784), quoad descr. et syn. "Fo-no-ki"; non Linnaeus (1753).
- Magnolia hypoleuca* Siebold & Zuccarini in Abh. Math.-Phys. Akad. Wiss. Münch. **4**: 187 (Fl. Jap. Fam. Nat. **1**: 79) (1843). — Skan in Bot. Mag. **132**: t. 8077 (1906).
- M. officinalis** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 391 (1913).
- Magnolia hypoleuca* sensu Diels in Bot. Jahrb. **29**: 311 (1900), non Siebold & Zuccarini (1843).
- M. Sieboldii** K. Koch, Hort. Dendr. **4** (1853). — Hara in Jour. Jap. Bot. **16**: 255 (1940).
- Magnolia parviflora* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 187 (1845). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 406 (1913). — Nakai, Fl. Sylv. Kor. **20**: 118, t. 23 (1933). — Non Blume (1825).
- Magnolia Oyama* Kort in Rev. Hort. Belg. **31**: 258 (1905).
- Magnolia verecunda* Koidzumi in Bot. Mag. Tokyo, **40**: 339 (1926).
- M. Watsonii** [*M. obovata* × *Sieboldii*] Hooker f. in Bot. Mag. **117**: t. 7157 (1891). — Millais, Magnol. 245 (1927) "*M. hypoleuca* × *parviflora*."
- Magnolia Watsoniana* Graebner in Mitt. Deutsch. Dendr. Ges. **1909**(18): 150 [1910?].
- M. Wilsonii** (Finet & Gagnep.) Rehder in Sargent, Pl. Wilson. **1**: 395 (1913). — Dandy in Notes Bot. Gard. Edinb. **17**: 126 (1928).
- Magnolia parviflora* var. *Wilsoni* Finet & Gagnepain in Bull. Soc. Bot. France, **52**, (Mém. **4**): 39 (1905); Contr. Fl. As. Or. **2**: 39 (1907).
- Magnolia globosa* sensu Wilson in Gard. Chron. ser. 3, **39**: 234 (1906), non Hooker f. & Thomson (1855).
- M. Wilsonii** f. *taliensis* (W. W. Sm.) Rehder in Man. Cult. Trees Shrubs, ed. 2, 249 (1940).
- Magnolia Nicholsoniana* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 394 (1913).
- Magnolia taliensis* W. W. Smith in Notes Bot. Gard. Edinb. **8**: 341 (1915).
- Magnolia liliifera* (L.) Baill. var. *taliensis* Pampanini in Bull. Soc. Tosc. Ort. **41**: 137 (1916).
- Magnolia Wilsonii* f. *Nicholsoniana* (Rehd. & Wils.) Rehder in Jour. Arnold Arb. **20**: 91 (1939).
- M. Wilsonii** × *sinensis* F. C. Stern in New Fl. & Silva, **10**: 105, fig. 33 (1938).
- M. globosa** Hooker f. & Thomson, Fl. Ind. **1**: 77 (1855); Hooker f., Fl. Brit. Ind. **1**: 41 (1872). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 393 (1913). — Dandy in Bot. Mag. **159**: t. 9467 (1936).
- Yulania japonica* var. 3. *M. globosa* (Hook.) Parmentier in Bull. Sci. France Belg. **27**: 258 (1896). — Dandy in Bot. Mag. **159**: t. 9467, p. [1] (1936) "var. *g.*", pro syn.
- Magnolia tsarongensis* W. W. Smith & Forrest in Notes Bot. Gard. Edinb. **12**: 215 (1920).
- M. sinensis** (Rehd. & Wils.) Stapf in Bot. Mag. **149**: t. 9004, p. [1] (1924).
- Magnolia globosa* var. *sinensis* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 393 (1913).
- Magnolia Nicholsoniana* Hort. ex Dandy in Bot. Mag. **159**: t. 9467, p. [2] (1936), pro syn.; non Rehder & Wilson (1913).
- M. virginiana** Linnaeus, Sp. Pl. 535 (1753), exclud.  $\beta$ ,  $\delta$ ,  $\epsilon$ . — Britton & Brown, Ill. Fl. N. U. S. Can. **2**: 48, fig. 1540 (1897). — Sargent, Man. Trees N. Am. ed. 2, 346, fig. 313 (1922).
- Magnolia virginiana* a. *glauca* Linnaeus, Sp. Pl. 535 (1753).
- Magnolia virginiana*  $\gamma$ . *grisea* Linnaeus, op. cit. 536 (1753).
- Magnolia glauca* Linnaeus, Sp. Pl. ed. 2, 755 (1762). — Sargent, Silva N. Am. **1**: 5, t. 3 (1891).
- Magnolia glauca*  $\beta$ . *longifolia* Aiton, Hort. Kew. **2**: 251 (1789).
- Magnolia fragrans* Salisbury, Prodr. Stirp. Chap. Allert. 379 (1796). — Rafinesque, Fl. Ludovic. 91 (1817).
- ?*Magnolia glauca* var. *microphylla* Millet in Mém. Soc. Agric. Sci. Arts Angers, **3**: 84 (1835).
- Magnolia palustris* Hort. ex Pampanini in Bull. Soc. Tosc. Ort. **40**: 230 (1915), pro syn.
- Magnolia longifolia* Sweet, Hort. Brit. **11** (1826). — G. Don, Gen. Hist. Dichlam. Pl. **1**: 83 (1831).
- M. virginiana** var. *australis* Sargent in Bot. Gaz. **67**: 231 (1919).
- Magnolia australis* Ashe in Torreya, **31**: 39 (1931).
- M. virginiana** × *grandiflora* Freeman in Nat. Hort. Mag. **16**: 161, fig. (1937).
- M. grandiflora** Linnaeus, Syst. Nat. ed. 10, **2**: 1082 (1759). — Pampanini in Bull. Soc. Tosc. Ort. **41**: 7, t. 1-4 (1916). — Sargent, Man. Trees N. Am. ed. 2, 345, fig. 312 (1922).
- Magnolia virginiana*  $\beta$ . *foetida* Linnaeus, Sp. Pl. 536 (1753), p. p.
- Magnolia obovata* (Ait.) Link, Handb. Erkenn. Gewächs. **2**: 375 (1831), pro syn. vel var.; non Thunberg (1784).
- Magnolia elliptica* (Ait.) Link, l. c. (1831), pro syn. vel var.
- Magnolia foetida* (L.) Sargent in Gard. & For. **2**: 615 (1889); Silva N. Am. **1**: 3, t. 1, 2 (1891).
- M. grandiflora** f. *lanceolata* (Ait.), grad. nov.
- Magnolia grandiflora*  $\gamma$ . *lanceolata* Aiton, Hort. Kew. **2**: 251 (1789). — Scanlon in Trees, **6**: 13, fig. (1946) "*M. g. l.*"
- Magnolia lanceolata* Link, Handb. Erkenn. Gewächs. **2**: 375 (1831) "var. ?"; pro syn.
- Magnolia grandiflora* var. *exoniensis* Hort. ex Loudon, Arb. Brit. **1**: 261 (1838).
- M. grandiflora** f. *galissoniensis* K. Koch, Dendr. **1**: 368 (1869) "(f.)"
- Magnolia grandiflora* *Gallissonieri* Nicholson & Mottet, Dict. Prat. Hort. **3**: 232, t. 35, fig. 1 (1895).
- M. Delavayi** Franchet, Pl. Delavay. **1**: 33, t. 9, 10 (1889). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 405 (1913).

- Subgen. II. *GWILLIMA* (DC.) Rehder, Man. Cult. Trees Shrubs, 256 (1927).  
*Lassonia* Buc'hoz, Pl. Nouv. Découv. 21 (1779), sine descript. generis.  
*Magnolia* sect. *Gwillimia* Rottler ex De Candolle, Reg. Veg. Syst. 1: 455 [1817].—Loudon, Arb. Brit. 1: 278 (1838).  
*Gwillimia* Rottler ex De Candolle, l. c. [1817], pro syn.—C. de Vos, Handb. Boom. Heest. ed. 2, 114 (1887).  
*Yulania* Spach, Hist. Nat. Vég. Phan. 7: 462 (1839).  
*Buergeria* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 187 (Fl. Jap. Fam. Nat. 1: 79) (1843).
- M. salicifolia** (Sieb. & Zucc.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 419 (in Mém. Biol. 8: 509) (1872).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 408 (1913).  
*Buergeria salicifolia* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 187 (Fl. Jap. Fam. Nat. 1: 79) (1843).  
*Talauma* ? *salicifolia* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 258 (Prol. Fl. Jap. 145) (1866).
- M. salicifolia** f. *fasciata* (Millais), grad. nov.  
*Magnolia salicifolia* var. *fasciata* Millais, Magnolias, 213, t. (1927), var. *fastigiata* sub tab.
- M. Proctoriana** (*M. salicifolia* × *stellata*) Rehder in Jour. Arnold Arb. 20: 412 (1939).
- M. Biondii** Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 275 (1910); 18: t. 3 (1911).—Dandy in Notes Bot. Gard. Edinb. 16: 123 (1928).  
*Magnolia obovata* sensu Pavolini in Nuov. Giorn. Bot. Ital. n. ser., 15: 403 (1908), non Thunberg (1794).  
*Magnolia aulacosperma* Rehder & Wilson in Sargent, Pl. Wilson. 1: 396 (1913).—Bois in Rev. Hort. n. sér., 24: 40, fig. 10, 11 (1924).
- M. Kobus** De Candolle, Reg. Veg. Syst. 1: 456 (1818), exclud. syn. *M. gracilis*; Prodr. 1: 81 (1824).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 408 (1913).—Rehder in Mitt. Deutsch. Dendr. Ges. 42: 41 (1930).—Nakai, Fl. Sylv. Kor. 20: 120, t. 24 (1933).  
*Magnolia glauca* a. *flore albo* Thunberg, Fl. Jap. 236 (1784), p. p.  
*Magnolia tomentosa* Thunberg in Trans. Linn. Soc. Lond. 2: 336 (1794), quoad syn. *Kobus*; Icon. Pl. Jap. 5: t. 8 (1805), nom.  
*Yulania Kobus* Spach, Hist. Nat. Vég. Phan. 7: 467 (1839).  
*Buergeria obovata* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 187 (Fl. Jap. Fam. Nat. 1: 79) (1845), p. p.  
*Talauma* ? *Sieboldii* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 257 (Prol. Fl. Jap. 145) (1866), p. p.  
*Magnolia Thurberi* Parsons in Garden, 13: 572 (1878), nom.—Sargent in Gard. & For. 6: 65 (1893), pro syn.  
*Magnolia kobushi* Mayr, Fremdl. Wald- & Parkbäume, 484, fig. 207 (1906).  
*Magnolia praecocissima* Koidzumi in Bot. Mag. Tokyo, 43: 386 (1929).
- M. Kobus** var. *borealis* Sargent, Trees & Shrubs, 2: 57 (1908).—Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, 2: 29, t. 45 (1927).  
*Magnolia Kobus* Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 417 (in Mém. Biol. 8: 507) (1872), quoad specim. e Hokkaido.—Sargent in Gard. & For. 6: 64, fig. 11 (1893); For. Fl. Jap. 9, fig. 3 (1894).
- Magnolia praecocissima* var. *borealis* (Sarg.) Koidzumi in Bot. Mag. Tokyo, 43: 387 (1929).
- M. liliflora** Desrousseaux in Lamarck, Encycl. Méth. Bot. 3: 675 (1791), exclud. syn. "Mokkwuren fl. albo Kaempfer."—Rehder & Wilson in Sargent, Pl. Wilson. 1: 402 (1913).—Rehder in Mitt. Deutsch. Dendr. Ges. 1929 (41): 344, t. 31 [1930].—Suringar in Mitt. Deutsch. Dendr. Ges. 43(1931): 202, t. 24 (1931), non Suringar [1930].—Nakai, Fl. Sylv. Kor. 20: 123, t. 25 (1933) "*liliflora*".  
*Lassonia quinquepeta* Buc'hoz, Pl. Nouv. Découv. 21, t. 19, fig. 2 (1779), descr. manca falsaque.  
*Magnolia glauca* β. *flore magno atropurpureo* Thunberg, Fl. Jap. 236 (1784), exclud. Syn. "Fonoki" et descr. fol.  
*Magnolia obovata* Thunberg in Trans. Linn. Soc. Lond. 2: 336 (1794), quoad syn. "Mokkwuren" et Kaempfer, Icon. Sel. t. 44.—K. Koch, Dendrol. 1: 377 (1868).  
*Magnolia purpurea* Curtis in Bot. Mag. 11: t. 390 (1797).  
*Magnolia discolor* Ventenat, Jard. Malmaison. t. 24 (1803).  
*Magnolia denudata* sensu Lamarck, Encycl. Méth. Bot. Suppl. 13: 572 (1813), p. p.—Schneider, Ill. Handb. Laubh. 1: 330, fig. 208a, b (1905).—Non Desrousseaux (1791).  
*Magnolia obovata* β. *discolor* De Candolle, Reg. Veg. Syst. 1: 457 [1817].  
*Magnolia obovata* γ. *liliflora* De Candolle, l. c. [1817], p. p.  
*Yulania japonica* a. *purpurea* Spach, Hist. Nat. Vég. Phan. 7: 466 (1839).  
*Buergeria obovata* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 187 (Fl. Jap. Fam. Nat. 1: 79) (1845).  
*Talauma* ? *Sieboldii* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 257 (Prol. Fl. Jap. 145) (1866), p. p. typ.  
*Talauma obovata* Hance in Jour. Bot. 20: 2 (1882), non Korthals (1851).  
*Gwillimia purpurea* C. de Vos, Handb. Boom. Heest. ed. 2, 115 (1887).  
*Magnolia denudata* var. a. *typica* Schneider, Ill. Handb. Laubh. 1: 330 (1905), non *M. d.* Desrousseaux (1791).  
*Magnolia denudata* ? var. b. *purpurea* Schneider, l. c. (1905).  
*Magnolia obovata* var. *purpurea* Bean, Trees Shrubs Brit. Isl. 2: 72 (1914).  
*Magnolia quinquepeta* (Buc'hoz) Dandy in Jour. Bot. 72: 103 (1934).
- M. liliflora** var. *gracilis* (Salisb.) Rehder in Bailey, Stand. Cycl. Hort. 4: 1968 (1915); in Mitt. Deutsch. Dendr. Ges. 1915(24): 219 [1916].  
*Magnolia gracilis* Salisbury, Parad. Londin. 2: t. 87 (1807).  
*Gwillimia gracilis* C. de Vos, Handb. Boom. Heest. ed. 2, 115 (1887).  
*Magnolia denudata* f. *gracilis* Schneider, Ill. Handb. Laubh. 1: 330 (1905).
- M. liliflora** var. *nigra* (Nichols.) Rehder in Bailey, Stand. Cycl. Hort. 4: 1968 (1916).  
*Magnolia Soulangeana nigra* Nicholson in Gard. 25: 276 (1884).—Veitch ex Bean, Trees Shrubs Brit. Isl. 2: 74 (1914).  
*Gwillimia purpurea nigricans* C. de Vos, Handb. Boom. Heest. ed. 2, 115 (1887).
- M. Soulangeana** [*M. denudata* × *liliflora*] Soulange-Bodin in Mém. Soc. Linn. Paris, 1826: 269 (Nouv. Esp. Magnolia) (1826); in Jour. Agric. Med. Evreux, 5: 338 (1828); in Ann. Inst. Fromont, 6: 46 (1834).—

**Magnolia Soulangeana** (*continued*)

- Hamelin in Ann. Soc. Hort. Paris, **1**: 90, t. (1827). — Sweet, Brit. Flow. Gard. **3**: t. 260 (1828) "*Soulangeana*".
- Magnolia Yulan* var. *Soulangeana* Lindley in Bot. Reg. **14**: t. 1164 (1828).
- Magnolia speciosa* Van Geel, Sert. Bot. cl. **xiii**, t. (1832). — H. G. L. Reichenbach, Fl. Exot. **5**: t. 343 (1836).
- Yulania japonica* γ. *incarnata* Spach, Hist. Nat. Vég. Phan. **7**: 466 (1839).
- Magnolia cyathiformis* Rinz ex K. Koch, Dendr. **1**: 376 (1869), pro syn. sub *M. Yulan*.
- Gwillimia cyathiflora* C. de Vos, Handb. Boom. Heest. ed. 2, 115 (1887).
- Gwillimia Soulangeana* C. de Vos, op. cit. 116 (1887).
- Gwillimia speciosa* C. de Vos, op. cit. 116 (1887).
- Magnolia hybrida* var. *Soulangeana* Dippel, Handb. Laubh. **3**: 151 (1893).
- Magnolia conspicua* var. *Soulangeana* Hort. ex Pampanini in Bull. Soc. Tosc.ortic. **40**: 216 (1915), pro syn.
- M. Soulangeana** var. **Lennei** [Van Houtte] Rehder in Bailey, Cycl. Am. Hort. [3]: 966 (1900).
- Magnolia Lennei* Topf ex Van Houtte in Flore des Serr. **16**: 159, t. 1693/4 [1866]. — Pampanini in Bull. Soc. Tosc.ortic. **40**: 214 (1915).
- Magnolia Lennea* hort. ex Koch, Dendr. **1**: 378 (1869), sub *M. obovata*.
- Magnolia obovata* var. *Lennei* Lavallée, Arb. Segrez. **8** (1877).
- Magnolia purpurea* var. *M. Lennei* Mouillefert, Traité Arb. Arbriss. 120; Atl. t. II [1895].
- M. Soulangeana** f. **rubra** (Nichols.) Rehder in Jour. Arnold Arb. **21**: 276 (1940).
- Magnolia rustica rubra* Nicholson in Fl. & Silva, **1**: 16, t. (1903).
- Magnolia Soulangeana* var. *rustica* Rehder in Bailey, Stand. Cycl. Hort. **4**: 1969 (1916).
- For the numerous garden forms of *M. Soulangeana* see Pampanini in Bull. Soc. Tosc.ortic. **40**: 151, etc. (1915); **41**: 6 etc. (1916) and Millais, Magnolias (1927), partly listed as binomials.
- M. denudata** Desrousseaux in Lamarck, Encycl. Méth. Bot. **3**: 675 (1791), exclud. syn. "Mokkwuren" Kaempfer. — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 399 (1913). — Rehder in Mitteil. Deutsch. Dendr. Ges. **1929**(41): 342, t. 31 [1930].
- "Yu-lan" in Mém. Concern. Hist. Sci. Arts Chinois, **3**: 441 (1778).
- Lassonia heptapeta* Buc'hoz, Pl. Nouv. Découv. **21**, t. 19, fig. 1 (1779), descr. manca falsaque.
- Magnolia obovata* Thunberg in Trans. Linn. Soc. Lond. **2**: 336 (1794), quoad syn. "Kaempfer Icon. t. 43".
- Magnolia precia* Correa de Serra ex Ventenat, Jard. Malmaison. sub t. 24, nota 2 (1803), nom. — Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], **2**: 224 (1804).
- Magnolia conspicua* Salisbury, Parad. Londin. **1**: t. 38 (1806). — Finet & Gagnepain in Bull. Soc. Bot. France, **52**(Mém. **4**): 38 (1905); Contr. Fl. As. Or. **2**: 38 (1907).
- Magnolia Yulan* Desfontaines, Hist. Arb. **2**: 6 (1809). — Bonpland, Descr. Pl. Malmaison. **53**, t. 20 (1813). — De Candolle, Reg. Veg. Syst. **1**: 455 (1818).
- Magnolia obovata* a. *denudata* De Candolle, Reg. Veg. Syst. **1**: 457 (1818), exclud. syn.
- Magnolia hirsuta* Thunberg, Pl. Jap. Nov. Spec. **8** (1824), nom.; secund. specim. typ.
- Yulania conspicua* Spach, Hist. Nat. Vég. Phan. **7**: 464 (1839).
- Magnolia Kobus* sensu Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 187 (Fl. Jap. Fam. Nat. **1**: 79) (1845), p. p.; non De Candolle [1817].
- Gwillimia Yulan* C. de Vos, Handb. Boom. Heest. ed. 2, 116 (1887).
- Magnolia liliflora* Suringar in Meded. Rijk's Landbouwhoogesch. **32**, Verh. **5**: 43 (1928); in Mitt. Deutsch. Dendr. Ges. **1929**(41): 42 [1930]. — Non Desrousseaux (1791).
- Magnolia heptapeta* (Buc'hoz) Dandy in Jour. Bot. **72**: 103 (1934).
- M. denudata** var. **purpurascens** (Maxim.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 401 (1913), exclud. pl. chin.
- Magnolia conspicua* var. *purpurascens* Maximowicz in Bull. Acad. Sci. St. Pétersb. **17**: 419 (in Mém. Biol. **8**: 509) (1872).
- Magnolia obovata* sensu Keisuke Ito, Fig. Descr. Pl. Koishik. Bot. Gard. **1**: t. 8 (1884), non Thunberg (1794).
- M. Veitchii** (*M. Campbelli* × *denudata*) Bean in Jour. Hort. Soc. Lond. **46**: 321, fig. 190 (1921). — Cocker in Gard. Chron. ser. 3, **107**: 245, fig. 104, 105 (1940).
- M. Sprengeri** Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **22**: 295 (1915); Stapf in Bot. Mag. **152**: t. 9116, p. [1] (1927).
- Magnolia denudata* var. *purpurascens* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 401 (1913), quoad pl. chinens.
- Magnolia conspicua* var. *purpurascens* sensu [Bean in] Kew Hand-list Trees Shrubs, ed. 3, 10 (1925), non Maximowicz (1872).
- Magnolia Sprengeri* diva Stapf in Bot. Mag. **152**: t. 9116 (1927).
- Magnolia Sprengeri purpurascens* Stapf in op. cit. p. [2] in nota (1927).
- M. Sprengeri** var. **elongata** [Rehd. & Wils.] Bean, Trees Shrubs Brit. Isl. **3**: 225 (1933).
- Magnolia denudata* var. *elongata* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 402 (1913).
- Magnolia Sprengeri* c. *elongata* Stapf in Bot. Mag. **152**: t. 9116, p. [2] in nota (1927).
- M. Sargentiana** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 398 (1913). — Bean in Kew Bull. **1920**: 121 (1920); in New Fl. & Silva, **5**: 13, fig. 4, 5 (1932).
- M. Dawsoniana** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 397 (1913). — Bean in Kew Bull. **1920**: 120 (1920). — Johnstone in New Fl. & Silva, **12**: 43, fig. 13 (1939).
- M. stellata** (Sieb. & Zucc.) Maximowicz in Bull. Acad. Sci. St. Pétersb. **17**: 419 (in Mém. Biol. **8**: 509) (1872). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 409 (1913). — Pampanini in Bull. Soc. Tosc.ortic. **41**: 172 (1916).
- Buergeria stellata* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 186 (Fl. Jap. Fam. Nat. **1**: 78) (1845).
- Talauma stellata* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 257 (Prol. Fl. Jap. 145) (1866).
- Magnolia Halleana* Parsons in Garden, **13**: 572, t. (1878).
- Gwillimia Halleana stellata* C. de Vos, Handb. Boom. Heest. ed. 2, 115 (1887).
- M. stellata** f. **rosea** (Veitch) Schelle in Beissner et al., Handb. Laubh.-Ben. 99 (1903) "(f.)"
- Magnolia stellata* var. *rosea* Veitch in Jour. Hort. Soc. Lond. **27**: 865, fig. 196 (1902). — Pynaert in Rev. Hort. Belge, **30**: 85, t. (1904).



**M. Loebneri** (*M. Kobus* × *stellata*) Kache in Garten-schönh. 1: 20 (1920).

**LIRIODENDRON** Linnaeus, Sp. Pl. 535 (1753); Gen. Pl. ed. 5, 139, no. 609 (1754) "*Liriodendrum*".—De Candolle, Reg. Veg. Syst. 1: 461 [1817] "*Lyriodendron*".—Bentham & Hooker f., Gen. Pl. 1: 19 (1862).—Sargent, Silva N. Am. 1: 17 (1891).

*Tulipifera* Miller, Gard. Dict., abridg. ed. 4, 3 (1754).—Adanson, Fam. Pl. 2: 365 (1763).

Typus: *L. Tulipifera* L.

**L. Tulipifera** Linnaeus, Sp. Pl. 535 (1753).—De Candolle, Reg. Veg. Syst. 1: 461 [1917].—Sargent, Silva N. Am. 1: 19, t. 13, 14 (1891).

*Tulipifera Liriodendron* Miller, Gard. Dict. ed. 8 (1768).  
*Liriodendron procerum* Salisbury, Prodr. Stirp. Chap. Allert. 379 (1797).

*Liriodendron Tulipifera* a. *acutiloba* Michaux, Fl. Bor.-Am. 1: 326 (526, err.) (1803).

*Liriodendron truncatifolium* Stokes, Bot. Mat. Med. 3: 233 (1812).

*Liriodendron Tulipifera* var. 1. *alba acutiloba* Rafinesque, Fl. Med. 2: 239 (1830), nom.

*Liriodendron tulipiflora* St. Lager ex B. D. Jackson, Index Kew. 2: 96 (1895), sphalm.; *L. Tulipifera* apud St. Lager, l. c.

**L. Tulipifera** f. *aureo-marginatum* [Dipp.] Schelle in Beissner et al., Handb. Laubh.-Ben. 101 (1903).—Schwerin in Mitt. Deutsch. Dendr. Ges. 1919(28): (1919) "var. *variegatum* (f.) 8. *aureimarginatum*".

*Liriodendron Tulipifera* d. *variegata* Dippel, Handb. Laubh. 3: 155 (1893), p. p.

**L. Tulipifera** f. *obtusilobum* [Michx.] Schelle in Beissner et al., Handb. Laubh.-Ben. 101 (1903) "(f.)".—Schwerin in Mitt. Deutsch. Dendr. Ges. 1919(28): 140 (1919) "var. *deformatum* (f.) 4. o."

*Liriodendron Tulipifera* β. *obtusiloba* Michaux, Fl. Bor.-Am. 1: 326 (526, err.) (1803).

*Liriodendron Tulipifera* var. 2. *flava obtusiloba* Rafinesque, Fl. Med. 2: 239 (1830), nom.

**L. Tulipifera** f. *integrifolium* (Kirchn.) Schelle in Beissner et al., Handb. Laubh.-Ben. 101 (1903) "(f.)".—Schwerin in Mitt. Deutsch. Dendr. Ges. 1919(28): 140 (1919) "var. *deformatum* (f.) 5. i."

*Liriodendron integrifolia* [Hort.] ex Steudel, Nomencl. Bot. 486 (1821), pro syn.

*Liriodendron Tulipifera* var. 2. *integrifolia* Hort. ex Loudon, Arb. Brit. 1: 285 (1838), pro syn.—Kirchner in Petzold & Kirchner, Arb. Muscav. 118 (1864).

**L. Tulipifera** f. *fastigiatum* [Jäg.] Schelle in Beissner et al., Handb. Laubh.-Ben. 101 (1903) "(f.)".—Schwerin in Mitt. Deutsch. Dendr. Ges. 1919(28): 140 (1919) "var. *irregulare* (f.) 14. f."—Anon. in Florists Exch. 101, 9: 17, fig. (1943).

*Liriodendron tulipifera* var. *fastigiatum* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 203 (1884).

*Liriodendron Tulipifera* var. *pyramidalis* Lavallée, Arb. Segrez. 9 (1877), nom.

**L. chinense** (Hemsl.) Sargent, Trees & Shrubs, 1: 103, t. 52 (1903).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 410 (1913).

*Liriodendron Tulipifera* var. ? *chinense* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 25 (1886).

*Liriodendron Tulipifera* var. *sinensis* Diels in Bot. Jahrb. 29: 322 (1900).

## Fam. ILLICIACEAE

ILLICIACEAE [Van Tieghem in Jour. de Bot. 14: 353 (1900) "Illiciées".—Pilger in Nat. Pflanzenfam. Nachtr. 3: 108 (1906), pro syn.—Hu in Bull. Chin. Bot. Soc. 1: 86 (1935), nom. subnud.—] A. C. Smith in Sargentia, 7: 8 (1947).

*Tulipiferae* Ventenat, Tabl. Reg. Vég. 3: 68 (1799), p. p. quoad *Illicium*.

*Winteraceae* R. Brown ex A. De Candolle, Reg. Veg. Syst. 1: 548 [1817], p. p. quoad *Illicium*.

*Magnoliaceae* trib. *Illicieae* De Candolle in De Candolle, Prodr. 1: 77 (1824), p. p. typ.—Endlicher, Gen. Pl. 838 [1839], p. p. typ.—Prantl in Nat. Pflanzenfam. III. 2: 18 [1888], p. p. typ.

*Ranunculaceae* b. *Dilleniaceae* a. *Illicieae* Reichenbach, Consp. Reg. Veg. 192 (1828), nom. subnud.

*Magnoliaceae* b. *Illicieae* Bartling, Ord. Nat. Pl. 249 (1830), p. p. typ.

*Winteraceae* Lindley, Nat. Syst. Bot. ed. 2 enl., 17 (1836), p. p. quoad *Illicium*.—Pilger in Nat. Pflanzenfam. Nachtr. 3: 108 (1906), pro syn.—Hutchinson, Fam. Flow. Pl. 1: 81 (1926), p. p.\*

*Magnoliaceae* trib. *Winteraceae* Meissner, Pl. Vasc. Gen. 1: 3; 2: 5 (1836). quoad *Illicium*.—Gray, Gen. Pl. U. S. 1: 54 (1849) "subord."

*Ranunculaceae* 3. *Magnolieae* b. *Illicieae genuinae* Reichenbach, Handb. Nat. Pflanzensyst. 278 (1837).

*Magnoliaceae* trib. *Illicieae* sect. *Illicineae* Spach, Hist. Nat. Vég. Phan. 7: 433, 439 (1839).

*Paoniaceae* trib. *Dilleniariae* c. *Illicieae* Horaninov, Char. Ess. Fam. Reg. Veg. 175 (1847), p. p. quoad *Illicium*.

*Magnoliaceae* subfam. *Illicioideae* Harms in Ber. Deutsch. Bot. Ges. 15: 358 (1897).

**ILLICIUM** Linnaeus, Syst. Nat. ed. 10, 2: 1050 (1759); Gen. Pl. ed. 6, 244, no. 611 (1764).—Bentham & Hooker f., Gen. Pl. 1: 18 (1862).—Nakai, Fl. Sylv. Kor. 20: 111 (1933).

*Skimmi* Adanson, Fam. Pl. 2: 364 (1763).

Typus: *I. anisatum* L.

**I. floridanum** J. Ellis in Philos. Trans. Roy. Soc. Lond. 60: 529, t. 12 (1771).—Michaux, Fl. Bor.-Am. 1: 326 (526) (1803).—Small, Fl. Southeast. U. S. 450 (1903).

## Fam. SCHISANDRACEAE

SCHISANDRACEAE G. Don, Gen. Hist. Dichlam. Pl. 1: 101 (1831) "*Schizandriaceae*".—Blume ex Martius, Consp. Reg. Veg. 39 (1835) "*Schizandraceae*".—Torrey & Gray, Fl. N. Am. 1: 45 (1838) "*Schizandraceae*".—A. C. Smith in Sargentia, 7: 81 (1947).

*Menispermaceae* trib. *Spuriae* De Candolle, Reg. Veg. Syst. 1: 543 (1818).

*Anonaceae* De Candolle, op. cit. 1: 543 (1818), p. p. quoad *Kadsura*.—Horaninov, Prim. Lin. Syst. Nat. 103 (1834) "*Annonaceae*".

*Menispermaceae* trib. *Schizandreae* De Candolle, Prodr. 1: 104 (1824).—Blume ex Spach, Hist. Nat. Vég. Phan. 8: 8 (1839).

*Laurineae* a. *Menispermaceae* cc. *Schizandreae* Reichenbach, Consp. Reg. Veg. 86 (1828), nom. subnud.

*Menispermideae* trib. *Schizandreae* De Candolle ex Dumortier, Anal. Fam. Pl. 50 (1829).

\* *Winteraceae* sensu stricto cf. A. C. Smith in Jour. Arnold Arb. 24: 120 (1943). To the numerous synonyms cited may be added: *Ranunculaceae* 3. *Magnolieae* b. *Illicieae* v. *Winteraceae* Reichenbach, Handb. Nat. Pflanzensyst. 278 (1837), p. p. typ.—*Paoniaceae* trib. *Dilleniariae* c. *Illicieae* Horaninov, Char. Ess. Fam. Reg. Veg. 175 (1847), p. p. quoad *Drimys*.

**Schisandraceae** (continued)

- Schizandreae* Guillemain in Dict. Class. Hist. Nat. 15: 239 (1829). — Blume, Fl. Java, fasc. 33 (Schizand.): 1–19, t. 1–5 [1830, cf. Danser in Blumea, 3: 1]. — Lindley, Nat. Syst. Bot. ed. 2 enl., 19 (1836).
- Menispermaceae* Horaninov, Prim. Lin. Syst. Nat. 95 (1834), quoad *Schizandra*.
- Menispermaceae* trib. *Schizandraceae* Meissner, Pl. Vasc. Gen. 1: 5; 2: 7 (1836).
- Paeoniaceae* d. *Annoneae*, *Schizandreae* Horaninov, Tetractis Nat. 31 (1843).
- Paeoniaceae* trib. *Anonariae* d. *Schizandreae* Horaninov, Char. Ess. Fam. Reg. Veg. 176 (1847).
- Magnoliaceae* subord. *Schizandreae* Gray, Gen. Pl. U. S. 1: 54 (1849). — Benthams & Hooker f., Gen. Pl. 1: 19 (1862) "trib." — Koehne, Deutsche Dendr. 145, 147 (1893) "subfam." — Nakai, Fl. Sylv. Kor. 20: 99 (1933) "trib."
- Magnoliaceae* II. *Schizandroideae* Harms in Ber. Deutsch. Bot. Ges. 15: 358 (1897). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 246 (1940) "subfam."
- SCHISANDRA** Michaux, Fl. Bor.-Am. 2: 218 (1803, March?). — De Candolle, Reg. Veg. Syst. 1: 544 [1817] "*Schizandra*". — Benthams & Hooker f., Gen. Pl. 1: 19 (1862) "*Schizandra*". — Nakai, Fl. Sylv. Kor. 20: 100 (1933) "*Schizandra*". — A. C. Smith in Sargentia, 7: 86 (1947). — NOM. CONSERV. PROPOS.; cf. Rehder in Jour. Arnold Arb. 25: 129 (1944).
- Schizandra* (*Euschizandra*) Baillon, Hist. Pl. 1: 189 (1867) sensu lato.
- TYPE: *S. coccinea* Michx. = *S. glabra* (Brickell) Rehd.
- Sect. I. PLEIOSTEMA A. C. Smith in Sargentia, 7: 93 (1947).
- S. Henryi** Clarke in Gard. Chron. ser. 3, 38: 162, fig. 35 (1905) "*Schizandra H.*" — A. C. Smith in Sargentia, 7: 111 (1947).
- Schizandra hypoglauca* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 459 (1911).
- Schizandra Henryi* var. *typica* A. C. Smith in op. cit. 114 (1947).
- S. glaucescens** Diels in Bot. Jahrb. 29: 323 (1900) "*Schizandra g.*" — A. C. Smith in Sargentia, 7: 123 (1947).
- S. pubescens** Hemsley & Wilson in Kew Bull. 1906: 150 (1906) "*Schizandra p.*" — A. C. Smith in op. cit. 116 (1947).
- Schizandra vestita* Pax & Hoffmann in Repert. Sp. Nov. Beih. 12: 381 (1922).
- Schizandra pubescens* var. *typica* A. C. Smith in op. cit. 118 (1947).
- S. grandiflora** (Wall.) Hooker f. & Thomson ex Hooker f., Fl. Brit. Ind. 1: 44 (1872) "*Schizandra g.*" — Rehder & Wilson in Sargent. Pl. Wilson. 1: 411 (1913), p. p. — A. C. Smith in Sargentia, 7: 100 (1947).
- Kadsura grandiflora* Wallich, Tent. Fl. Nepal. 10, t. 14 (1824), p. p.
- Kadsura grandiflora* Wallich ex Sprengel, Syst. Veg. 4: 345 (1827).
- Sphaerostema grandiflorum* Blume, Fl. Jav. fasc. 33 (Schizandreae): 14 in Obs., 17 sub *S. elongatum* [1830], nom. — Hooker f. & Thomson, Fl. Ind. 1: 84 (1855). — Parmentier in Bull. Sci. France Belg. 27: 236 (1896).
- S. sphaerandra** Stapf in Bot. Mag. 152: t. 9146 (1922) "*Schizandra*". — A. C. Smith in Sargentia, 7: 107 (1947).
- Schizandra japonica* sensu Hance in Jour. Bot. 18: 258 (1880), non Siebold & Zuccarini ex Gray (1859), nom. *Schizandra chinensis* sensu Maximowicz in Act. Hort. Petrop. 11: 39 (1889). — Diels in Bot. Jahrb. 29: 322 (1900).
- Schizandra grandiflora* sensu Finet & Gagnepain in Bull. Soc. Bot. France, 52 (Mém. 4): 48 (1905); Contr. Fl. As. Or. 2: 48 (1907), p. p. quoad pl. chin.; non Hooker f. (1872).
- Schizandra grandiflora* var. *cathayensis* Schneider in Bot. Gaz. 63: 522 (1917).
- Schizandra glaucescens* sensu Wilson in Jour. Arnold Arb. 7: 237 (1926), non Diels (1900).
- Schizandra rubriflora* sensu Wilson in op. cit. 238 (1926), non Rehder & Wilson (1913).
- Schizandra sphaerandra* f. *typica* A. C. Smith in Sargentia, 7: 109 (1947).
- S. rubriflora** (Franch.) Rehder & Wilson in Sargent, Pl. Wilson. 1: 412 (1913) "n. sp."; typus speciei est specimen Davidi, non Wilson no. 921b ut propositus a Rehder & Wils. — A. C. Smith in Sargentia, 7: 102 (1947).
- Schizandra grandiflora* sensu Franchet in Bull. Soc. Bot. France, 33: 385 (1886), non Hooker f. & Thomson (1872).
- Schizandra chinensis* var. *rubriflora* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, ser. 2, 8: 192 (Pl. David. 2: 10. 1886) (1888).
- Schizandra grandiflora* var. *rubriflora* Schneider in Bot. Gaz. 63: 523 (1917).
- Schizandra chinensis* var. *rubra* Sprenger in Mitt. Deutsch. Dendr. Ges. 1907(16): 68 [1908], nom. subnud. — Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 6: 3110 (1917). — Leray in Rev. Hort., n. ser., 19: 449 (1925).
- Schizandra sphenanthera* sensu Kanjilal et al., Fl. Assam, 1: 28 (1935), non Rehder & Wilson (1913).
- S. sphenanthera** Rehder & Wilson in Sargent, Pl. Wilson. 1: 414 (1913). — Leray in Rev. Hort. n. sér., 19: 450 (1925) "*Schizandra sphaenantha*". — Dandy in Bot. Mag. 147: t. 8912 (1938). — A. C. Smith in Sargentia, 7: 124 (1947).
- S. lancifolia** (Rehd. & Wils.) A. C. Smith in op. cit. 133 (1947).
- Schizandra sphenanthera* var. *lancifolia* Rehder & Wilson in Sargent, Pl. Wilson. 1: 415 (1913). — Rehder in Bailey, Stand. Cycl. Hort. 6: 3111 (1917) "*Schizandra*". — Bean, Trees Shrubs Brit. Isl. 3: 454 (1933) "*Schizandra*".
- Schizandra sphenanthera* sensu Wilson in Jour. Arnold Arb. 7: 237 (1926), non Rehder & Wilson (1913).
- Sect. II. EUSCHISANDRA (Baill.) Nakai, Fl. Sylv. Kor. 20: 101 (1933). "*Schizandra* sect. *Eu-Schizandra*". — A. C. Smith in Sargentia, 7: 95 (1947).
- Stellandria* Brickell in Med. Repos. New York, 6: 327 (1803, Feb.).
- Schizandra* Michaux, Fl. Bor.-Am. 2: 218 (1803).
- S. repanda** (Sieb. & Zucc.) A. C. Smith in Sargentia, 7: 143 (1947).
- Trochostigma repanda* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 3: 728 (1843).
- Schizandra nigra* Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 144 (in Mém. Biol. 8: 370) (1872). — Schneider, Ill. Handb. Laubb. 1: 341, fig. 218b (1905). — Nakai, Fl. Sylv. Kor. 20: 101, t. 19 (1933).
- Schizandra discolor* Nakai, op. cit. 103 (1933).
- S. glabra** (Brickell) Rehder in Jour. Arnold Arb. 25: 131 (1944). — A. C. Smith in Sargentia, 7: 141 (1947).

- Stellandria glabra* Brickell in Med. Repos. New York, 6: 327 (1803, Feb.?)
- Schisandra coccinea* Michaux, Fl. Bor.-Am. 2: 219, t. 47 (1803, March?). — De Candolle, Prodr. 1: 104 (1824) "*Schizandra*". — A. Gray, Syn. Fl. N. Am. 1: 58 (1895). — Small, Fl. Southeast. U. S. 451 (1903) "*Schizandra*".
- Sect. MAXIMOWICZIA (Rupr.) Nakai, Fl. Sylv. Kor. 20: 101 (1933) "*Schizandra* sect. *M.*". — A. C. Smith in Sargentia, 7: 94 (1947).
- Maximowiczia* Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 142, t. (in Mém. Biol. 2: 439, t. 1857) (1856) "*Maximowitschia*" in tab. — Bentham & Hooker f., Gen. Pl. 1: 19 (1862) "*Maximowitszia*", pro syn. — Baillon, Hist. Pl. 1: 148 (1867) "*Maximowitszia*", pro syn.
- S. chinensis** (Turcz.) Baillon, Hist. Pl. 1: 148 [1868] "*Schizandra*". — Schneider, Ill. Handb. Laubh. 1: 341, f. 218a, 219a-i (1905). — Rehder in Jour. Arnold Arb. 5: 147 (1924). — A. C. Smith in Sargentia, 7: 136 (1947).
- Kadsura chinensis* Turczaninow in Bull. Soc. Nat. Moscou, 1837 [vol. 10], no. 7: 149 (1837).
- Sphaerostema japonica* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4: 188, (Fl. Jap. Fam. Nat. 1: 80) (1845), nom.
- Maximowiczia amurensis* Ruprecht in Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 124 (in Mém. Biol. 2: 412) (1856), nom. subnud. — K. Koch, Dendr. 1: 386 (1869) "*Maximowitschia*" pro syn.
- Maximowiczia chinensis* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 31, t. 1 (Prim. Fl. Amur.) (1859). — Regel in Gartenfl. 11: 406, t. 382, fig. 2, 3 (1862). — Baillon, Hist. Pl. 1: 148 [1868] "*Maximowitszia*", pro syn. — K. Koch, Dendr. 1: 386 (1869) "*Maximowitschia*", pro syn.
- Sphaerostema japonicum* A. Gray in Mem. Am. Acad. Arts Sci., n. ser. 6: 380 (1859).
- Schizandra japonica* Sieb. & Zucc. ex A. Gray, l. c. (1859), pro syn.
- Maximowitschia japonica* A. Gray ex K. Koch, Dendr. 1: 386 (1869), pro syn. — Lauche, Deutsche Dendr. 1: 360 (1880), "*Maximowiczia*", pro syn.
- Maximowiczia sinensis* [W. Robinson] in Garden, 6: 583, fig. (1874). — Rupr. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1625 (1902), pro syn.
- Polycarpa Maximowiczii* Rgl. ex Morren & A. de Vos, Index Bibl. Hort. Belg. 437 (1887), pro syn.; non Carrière (1868).
- Idesia polycarpa* Hort. ex Morren & A. de Vos, l. c. (1887), pro syn.; non Maximowicz (1866).
- Schizandra chinensis* var. *glabrata* Nakai ex Mori, Enum. Pl. Corea, 166 (1922). — Nakai, Fl. Sylv. Kor. 20: 106 (1933).
- Schizandra chinensis* var. *typica* Nakai, op. cit. 105 (1933).
- Sect. SPHAEROSTEMA (Bl.) Nakai, Fl. Sylv. Kor. 20: 101 (1933) "*Schizandra* sect. *S.*".
- Sphaerostema* Blume, Bijdr. Fl. Nederl. Ind. 22 (1825), quoad *S. axillare*. — Reichenbach, Consp. Reg. Veg. 86 (1828) "*Sphaerostemma*".
- Schizandra* sect. *Sphaerostemma* Stapf in Bot. Mag. 152: t. 9146, p. [1] (1928).
- S. propinqua** (Wall.) Baillon, Hist. Pl. 1: 148, fig. 183, 184 [1868] "*Schizandra*". — Hooker f. & Thomson ex Hooker f., Fl. Brit. Ind. 1: 45 (1872) "*Schizandra*". — A. C. Smith in Sargentia, 7: 149 (1947).
- Kadsura propinqua* Wallich, Tent. Fl. Nepal. 2: t. 15 (1824). — Sprengel, Syst. Veg. 4: 345 (1827) "*Cadsura*".
- Sphaerostema propinquum* Blume, Fl. Jav., Schizandreae [fasc. 33], 15 [1830]. — Hooker in Bot. Mag. 77: t. 4614 (1851). — Lindley in Bot. Reg. 20: t. 201 (1852). — Hooker f. & Thomson, Fl. Ind. 1: 85 (1855).
- Schizandra propinqua* var. *typica* A. C. Smith in Sargentia, 7: 151 (1947).
- S. propinqua** var. *intermedia* A. C. Smith in op. cit. 151 (1947).
- Sphaerostema axillare* sensu Hooker f. & Thomson, Fl. Ind. 1: 86 (1855), non Blume [1830].
- Schizandra axillaris* Hooker f. & Thomson in Hooker f., Fl. Brit. Ind. 1: 45 (1872), tantum quoad basonym.
- Schizandra propinqua* sensu Rehder & Wilson in Sargent, Pl. Wilson. 1: 416 (1913), p. p. — Kanjilal et al., Fl. Assam, 1: 28 [1935] "*Schizandra*". — Non Baillon [1868].
- Schizandra propinqua* var. *sinensis* sensu Handel-Mazetti, Symb. Sin. 7: 245 (1931), non Oliver (1887).
- S. propinqua** var. *sinensis* Oliver in Hooker's Icon. Pl. 18: t. 1715 (1887) "*Schizandra*". — Rehder & Wilson in Sargent, Pl. Wilson. 1: 416 (1913). — Rehder in Jour. Arnold Arb. 10: 191 (1929).
- Schizandra propinqua* var. *linearis* Finet & Gagnepain in Bull. Soc. Bot. France, 52 (Mém. 4): 51 (1905); Contr. Fl. As. Or. 2: 51 (1907).
- Embelia Valbrayii* Léveillé, Cat. Pl. Yun-Nan, 177 (1916).
- KADSURA** Jussieu in Ann. Mus. Hist. Nat. Paris, 16: 340 (1810). — Bentham & Hooker f., Gen. Pl. 1: 20 (1862). Nakai, Fl. Sylv. Kor. 20: 107 (1933). — Sugimoto, Key Trees Shrubs Japan, 87 (1936) "*Kadzura*". — A. C. Smith in Sargentia, 7: 156 (1947).
- Pulcheria Noronha* in Verh. Batav. Genoot. Kunst. Wetensch. 5: 3 (1790), nom. — Hasskarl, Cat. Pl. Hort. Bot. Bogor. 177 (1844), pro syn.
- Cadsura* Jussieu ex Sprengel, Syst. Veg. 2: 642 (1825); Gen. Pl. 1: 45 (1830).
- Sarcocarpon* Blume, Bijdr. Fl. Nederl. Ind. 1: 21 (1825). — G. Don, Gen. Hist. Dichlan. Pl. 1: 101 (1831) "*Sarcocarpum*".
- Pauslowia* Wight ex Arnott in Mag. Zool. Bot. 2: 546 (1838), pro syn.
- Cosbaea* Hort. ex Lemaire in Ill. Hort. 2 (Misc.): 71, fig. (1855).
- Schizandra* [sect.] *Kadsura* Baillon, Hist. Pl. 1: 189 (1868).
- Panslowia* Wight ex Pfeiffer, Nomencl. Bot. 2: 581 (1874), pro syn.
- Sarcocarpos* Blume ex Parmentier in Bull. Sci. France Belg. 27: 312 (1896), pro syn.
- Kadsura* sect. *Eukadsura*, sect. *Sarcocarpon* (Bl.), sect. *Cosbaea* (Lem.) A. C. Smith in Sargentia, 7: 162, 163 (1947).
- Typus: *Uvaria japonica* L. = *K. japonica* (L.) Dunal (sect. *Eukadsura*).
- K. japonica** (L.) Dunal, Monog. Fam. Anonac. 57 (1817). — Nakai, Fl. Sylv. Kor. 20: 108, t. 21 (1933).
- Uvaria japonica* Linnaeus, Sp. Pl. 536 (1753).
- Cadsura japonica* Dun. ex Sprengel, Syst. Veg. 2: 642 (1825).

## Fam. CALYCANTHACEAE

CALYCANTHACEAE Horaninow, Prim. Lin. Syst. Nat. 81 (1834). — Lindley, Nat. Syst. Bot. ed. 2, 159 (1836). — Bentham & Hooker f., Gen. Pl. 1: 15 (1862).

**Calycanthaceae** (continued)

- Calycanthaceae* Lindley in Bot. Reg. 5: t. 404, p. [1] (1819).  
— De Candolle, Prodr. 3: 1 (1828).
- Nyctagineae* 3. *Otherospermeae* b. *Chimonantheae* et c. *Calycanthaceae* Reichenbach, Handb. Nat. Pflanzensyst. 174 (1837), nom. subnud.
- CALYCANTHUS** Linnaeus, Syst. Nat., ed. 10, 2: 1066 (1759). — Bentham & Hooker f., Gen. Pl. 1: 16 (1862).  
— NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. 79, no. 2663 (1906).
- Butneria* Duhamel, Traité Arb. Arbust. 1: 113, t. 45 (Sept. 1755). — Jaume St.-Hilaire in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 1: 217 [1801] "*Butneria*", pro syn. — Kearney in Bull. Torrey Bot. Club, 21: 173 (1894) "*Büttneria*"; non *Buettneria* Gmelin (1791). — Schneider, Dendrol. Winterstud. 241 (1903); Ill. Handb. Laubh. 1: 343 (1905).
- Basteria* Miller, Fig. Pl. t. 60 (Dec. 1755); Gard. Dict. ed. 7 (1759).
- Beureria* Ehret, Pl. Papil. Rar. t. 13 (1755). — Kuntze, Rev. Gen. Pl. 1: 5 (1891) "*Beurera*". — Non *Beurrieria* Jacquin (1760).
- Calycanthus* sect. i. *Eucalycanthus* Prantl in Nat. Pflanzenfam. III. 2: 94 (1888).
- Typus: *C. floridus* L.
- C. floridus** Linnaeus, Syst. Nat. ed. 10, 2: 1066 (1759). — De Candolle, Prodr. 3: 2 (1828). — Pollard in N. Am. Fl. 22: 236 (1908).
- Calycanthus mollis* Rafinesque, Alsogr. Am. 7 (1838).
- Calycanthus sterilis* Walter, Fl. Carol. 151 (1788).
- Beurera florida* Kuntze, Rev. Gen. Pl. 1: 5 (1891).
- Büttneria florida* Kearney in Bull. Torrey Bot. Club, 21: 173 (1894). — Britton, Man. Fl. N. St. Can. 435 (1901) "*Butneria* f."
- Butneria florida* f. *typica* Schneider, Ill. Handb. Laubh. 1: 343 (1905).
- C. floridus** var. *ovatus* (Ait.) De Candolle, Prodr. 3: 2 (1828) "β." — Schelle in Beissner et al., Handb. Laubh.-Ben. 120 (1903) "(f.)"
- Calycanthus ovatus* Aiton, Hort. Kew. 2: 220 (1789).
- Butneria florida* f. *ovata* Schneider, Ill. Handb. Laubh. 1: 343, fig. 222b (1905).
- C. Mohrii** (Small) Pollard in N. Am. Fl. 22: 238 (1908).
- Butneria Mohrii* Small, Fl. Southeast. U. S. 528, 1331 (1903).
- ?*Calycanthus tomentosus* Rafinesque, Alsogr. Am. 7 (1838).
- C. fertilis** Walter, Fl. Carol. 151 (1788). — Pollard in N. Am. Fl. 22: 238 (1908).
- Calycanthus floridus* a. *oblongatus* Aiton, Hort. Kew. 2: 220 (1789).
- Calycanthus glaucus* Willdenow, Enum. Pl. Hort. Berol. 559 (1809).
- Calycanthus glaucus* β. *oblongifolius* Nuttall, Gen. N. Am. Pl. 1: 312 (1818).
- Calycanthus floridus* δ. *glaucus* Torrey & Gray, Fl. N. Am. 1: 475 (1840).
- Beurera fertilis* Kuntze, Rev. Gen. Pl. 1: 5 (1891).
- Büttneria fertilis* Kearney in Bull. Torrey Bot. Club, 21: 173 (1894). — Britton, Man. Fl. N. St. Can. 435 (1901) "*Butneria* f."
- Calycanthus glaucus* (f.) *oblongus* (Ait.) Schelle in Beissner et al., Handb. Laubh.-Ben. 121 (1903).
- Butneria fertilis* f. *oblongifolia* Schneider, Ill. Handb. Laubh. 1: 344 (1905).

- Butneria fertilis* var. a. *glauca* Schneider, l. c. (1905).
- Calycanthus fertilis* var. *glaucus* Rehder in Bailey, Stand. Cycl. Hort. 2: 638 (1914).
- Calycanthus fertilis* var. *oblongifolius* Rehder in Bailey, l. c. (1914); in Mitt. Deutsch. Dendr. Ges. 1915(26): 219 [1916].
- C. fertilis** var. *laevigatus* (Willd.) Bean, Trees Shrubs Brit. Isl. 1: 283 (1914).
- Calycanthus ferax* Michaux, Fl. Bor.-Am. 1: 305 (1803).
- Calycanthus laevigatus* Willdenow, Enum. Pl. Hort. Berol. 559 (1809).
- Calycanthus inodorus* Elliott, Sketch Bot. S. Carol. 1: 576 [1817].
- Calycanthus reticulatus* Rafinesque, Alsogr. Am. 7 (1838).
- Calycanthus verrucosus* Rafinesque, op. cit. 8 (1838).
- Calycanthus pennsylvanicus* Loddiges ex Loudon, Arb. Brit. 2: 937 (1838), pro syn.
- Calycanthus floridus* β. *inodorus* Torrey & Gray, Fl. N. Am. 1: 475 (1840).
- Calycanthus floridus* γ. *laevigatus* Torrey & Gray, l. c. (1840).
- Beurera ferax* Kuntze, Rev. Gen. Pl. 1: 5 (1891).
- Butneria nana* Small, Fl. Southeast. U. S. 528 (1903), non *C. nanus* Loiseleur (1801).
- Butneria fertilis* var. *ferax* Schneider, Ill. Handb. Laubh. 1: 344 (1905).
- Calycanthus fertilis* var. *ferax* (Michx.) Rehder in Jour. Arnold Arb. 1: 143 (1919).
- C. fertilis** f. *nanus* [Loisel.] Schelle in Beissner et al., Handb. Laubh.-Ben. 121 (1903) "(f.)".
- Calycanthus nanus* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 219, t. 48 (1801).
- Butneria nana* (Loisel.) Small, Fl. Southeast. U. S. 528 (1903), quoad basonym., exclud. descr.
- Butneria fertilis* f. *nana* Schneider, Ill. Handb. Laubh. 1: 344 (1905).
- C. occidentalis** Hooker & Arnott, Bot. Capt. Beechey Voy. 340, t. 84 (1841). — Pollard in N. Am. Fl. 22: 238 (1908).
- Butneria occidentalis* Greene in Erythraea, 1: 207 (1893). — Schneider, Ill. Handb. Laubh. 1: 345, fig. 220p-s, 221p-t, 222e-f (1905).
- Calycanthus macrophyllus* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 121 (1903), pro syn.
- CHIMONANTHUS** Lindley in Bot. Reg. 5: t. 404, p. [3] in nota (1819). — De Candolle, Prodr. 3: 2 (1828). — Bentham & Hooker f., Gen. Pl. 1: 16 (1862). — NOM. CONSERV. cf. Intern. Rul. Bot. Nomencl., ed. 3, 134, no. 2663, p. p. (1935); Kew Bull. 1940: 101.
- Meratia* Loiseleur, Herb. Amat. 3: 173, t. (1818). — T. Fr. Nees von Esenbeck in Verh. Leop.-Carol. Akad. Naturf. 11: 107, t. 10 (1823). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 419 (1913).
- Calycanthus* sect. *Chimonanthus* Prantl in Nat. Pflanzenfam. III. 2: 94 (1888).
- Typus: *C. fragrans* Lindl. = *C. praecox* (L.) Link.
- C. praecox** (L.) Link, Enum. Pl. Hort. Berol. 2: 66 (1822). — Schneider, Ill. Handb. Laubh. 1: 346, fig. 220i-o, 221a-d, 222h (1905).
- Calycanthus praecox* Linnaeus, Sp. Pl. ed. 2, 718 (1762). — Curtis in Bot. Mag. 13: t. 466 (1799).
- Meratia fragrans* Loiseleur, Herb. Amat. 3: 173, t. (1818).
- Chimonanthus fragrans* Lindley in Bot. Reg. 6: t. 451, fig. a, 1-9, p. [1] (1820), ram. florifero exclud. — Finet &

Gagnepain in Bull. Soc. Bot. France, 52 (Mém. 4): 22 (1905); Contr. Fl. As. Or. 2: 22 (1907).

*Chimonanthus parviflorus* Rafinesque, Alsogr. Am. 6 (1838).

*Butneria praecox* Schneider in Dendr. Winterstud. 204, 241, fig. 222i-o (1903).

*Meratia praecox* Rehder & Wilson in Sargent, Pl. Wilson. 1: 419 (1913).

**C. praecox f. grandiflorus** (Lindl.), grad. nov.

*Chimonanthus fragrans* β. *grandiflora* Lindley in Bot. Reg. 6: t. 451 (1820), quoad ram. florif.

*Chimonanthus fragrans* sensu Rafinesque, Alsogr. Am. 6 (1838), non Lindley (1820).

*Calycanthus praecox* (f.) *grandiflorus* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 121 (1903).

*Chimonanthus praecox* var. *grandiflorus* Makino in Bot. Mag. Tokyo, 24: 301 (1910).

*Meratia praecox* var. *grandiflora* Rehder & Wilson in Sargent, Pl. Wilson. 1: 420 (1913).

Fam. **ANNONACEAE**

ANNONACEAE [L. C. Richard, Demonstr. Bot. Anal. Fruit, 17 (1811) "Annonacées"; nom. —] R. Brown in Flinders, Voy. Terra Austral. 2: 597 (1814), nom. subnud. — Dunal, Monog. Anon. 53 (1817) "Anonaceae". — De Candolle, Reg. Veg. Syst. 1: 463 (1818); in Mém. Soc. Phys. Hist. Nat. Genève, 5: 177, 5 pl. (1830) "Anonaceae". — Horaninov, Prim. Lin. Syst. Nat. 103 (1834). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 83 (1913).

*Glyptosperma* Ventenat, Tabl. Règ. Vég. 3: 75 (1799).

*Anoneae* Jaume St. Hilaire, Exp. Fam. Nat. 2: 79, t. 85 (1805).

*Ranunculaceae* 3. *Magnolieae* c. *Annoneae* Reichenbach, Handb. Nat. Pflanzensyst. 278 (1837).

*Paeoniaceae* trib. *Anonariae* c. *Anoneae* Horaninov, Char. Ess. Fam. Reg. Veg. 176 (1847).

**ASIMINA** Adanson, Fam. Pl. 2: 365 (1810). — Bentham & Hooker f., Gen. Pl. 1: 24 (1862).

*Annona* Linnaeus, Sp. Pl. 573 (1753), p. p.; Gen. Pl. ed. 5, 241, no. 613 (1754), p. p.

*Orchidocarpum* Michaux, Fl. Bor.-Am. 1: 329 (1803).

*Deeringothamnus* Small in Bull. Torrey Bot. Club, 51: 389 (1924).

*Pityothamnus* Small, Man. Southeast. Fl. 530, 1504 (1933). LECTOTYPUS: *Annona triloba* L. = *Asimina triloba* (L.) Dunal.

**A. triloba** (L.) Dunal, Monog. Anon. 83 (1817). — De Candolle, Reg. Veg. Syst. 1: 479 [1817]. — Sargent, Silva N. Am. 1: 23, t. 15 (1891).

*Annona triloba* Linnaeus, Sp. Pl. 537 (1753). — Michaux f., Hist. Arb. For. Am. 3: 161, t. 9 (1813).

*Anona pendula* Salisbury, Prodr. Stirp. Chap. Allert. 380 (1797).

*Orchidocarpum arietinum* Michaux, Fl. Bor.-Am. 1: 329 (1803).

*Porcelia triloba* Persoon, Syn. Pl. 2: 95 (1807).

*Assimina virginiana* Poiteau & Turpin in Duhamel, Traité Arb. fruit. nouv. éd. 3: t. 54, fasc. 9 [1808].

*Uvaria triloba* Torrey & Gray, Fl. N. Am. 1: 45 (1838).

*Asimina campaniflora* Spach, Hist. Nat. Vég. Phan. 7: 528 (1839).

Fam. **LAURACEAE**

LAURACEAE Lindley, Nat. Syst. Bot. ed. 2, 200 (1836). — Meissner in De Candolle, Prodr. 15, 1: 1 (1864). —

Pax in Nat. Pflanzenfam. III. 2: 106–126 (1888). — NOM. CONSERV. cf. Sprague, Syn. Propos. Sixth Intern. Bot. Congr. 64 (1935) et Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Laurinae* Ventenat, Tabl. Reg. Veg. 2: 245 (1799). — R. Brown, Prodr. Fl. Nov. Holl. 401 (1810). — Nees, Syst. Laurin. 1 (1836).

*Laurineae* De Candolle in Lamarck & De Candolle, Fl. Franç. 3: 361 (1805). — Jussieu in Ann. Mus. Hist. Nat. Paris, 6: 199 (1805) "Laurinées". — Bentham & Hooker f., Gen. Pl. 3: 146 (1880), exclud. trib. 4.

*Laureae* Reichenbach, Consp. Reg. Veg. 87 (1828).

*Perseaceae* (*Laurinae*) Horaninov, Prim. Lin. Syst. Nat. 61 (1834).

**PERSEA** Gaertner f., Fruct. Sem. 3: 222, t. 221 (1805). — Bentham & Hooker f., Gen. Pl. 3: 156 (1880), exclud. sect. plur.

*Borbonia* Miller, Gard. Dict. abridg. ed. 4, 1 (1754), non Linnaeus (1753).

*Farnesia* Heister in Fabricius, Enum. Pl. Helmstad. ed. 2, 400 (1763).

*Menestrata* Vellozo, Fl. Flum. 199 (1825); Icon. 5: t. 2 (1827).

*Tamala* Rafinesque, Sylv. Tellur. 136 (1838).

TYPE: *Laurus Persea* L. = *Persea gratissima* Gaertn. f.

**P. Borbonia** (L.) Sprengel, Syst. 2: 268 (1825). — Sargent, Silva N. Am. 7: 4, t. 301 (1895). — Fernald in Rhodora, 47: 149 (1945).

*Laurus Borbonia* Linnaeus, Sp. Pl. 370 (1753).

*Laurus Caroliniensis* Michaux, Fl. Bor.-Am. 1: 245 (1803).

*Laurus Caroliniana* Poiret, Encycl. Méth. Bot. Suppl. 3: 323 (1813).

*Laurus Carolinensis* a. *glabra* Pursh, Fl. Am. Sept. 1: 276 (1814).

*Persea Carolinensis* Nees, Syst. Laur. 150 (1836), exclud. var. a.

*Tamala borbonia* Rafinesque, Sylv. Tellur. 136 (1838).

*Tamala carolinensis* Rafinesque, l. c. (1838).

*Persea Carolinensis* a. *glabriuscula* Meissner in De Candolle, Prodr. 15, 1: 51 (1864).

*Notaphoebe borbonica* Pax in Nat. Pflanzenfam. III. 2: 116 [1889].

*Persea palustris* f. *laevifolia* Fernald in Rhodora, 44: 399 (1942).

**UMBELLULARIA** (Nees) Nuttall, N. Am. Sylva, 1: 87 (1842); (ed. Michaux & Nuttall, vol. 4) 1: 103 (1865). — Bentham & Hooker f., Gen. Pl. 3: 162 (1880).

*Oreodaphne* subgen. *Umbellularia* Nees, Syst. Laurin. 462 (1836).

*Drimophyllum* Nuttall, N. Am. Sylva, 1: 85 (1842).

TYPE: *Tetranthera* ? *Californica* Hook. & Arn. = *U. californica* (Hook. & Arn.) Nutt.

**U. californica** (Hook. & Arn.) Nuttall, N. Am. Sylva, 1: 87 (1842). — Sargent, Silva N. Am. 7: 21, t. 306 (1895). — Brush in Am. For. 52: 378, fig. (1946).

*Tetranthera* ? *Californica* Hooker & Arnott, Bot. Beechey Voy., 159 (1833).

*Oreodaphne Californica* Nees, Syst. Laurin. 463 (1836).

*Drimophyllum pauciflorum* Nuttall, N. Am. Sylva, 1: 85, t. 22 (1842); (in Michaux & Nuttall, vol. 4), 1: 101, t. 22 (1865).

**U. californica** f. *pendula* Rehder in Jour. Arnold Arb. 1: 143 (1919).

**SASSAFRAS** T. F. L. Nees & Ebermaier, Handb. Med.-Pharm. Bot. 2: 418 (1831). — C. G. Nees, Pl. Laurin.

**Sassafras** (*continued*)

- Expos. 17 (1833). — Bentham & Hooker f., Gen. Pl. 1: 160 (1880).  
*Laurus* Linnaeus, Sp. Pl. 154 (1753); Gen. Pl., ed. 5, 239, no. 609 (1754); p. p.  
*Laurus* subgen. *Euosmus* Nuttall, Gen. N. Am. Pl. 1: 258 (1818), p. p.  
*Pseudosassafras* Lecomte in Notul. Syst. Mus. Hist. Nat. Paris, 2: 268 (1912).  
 TYPUS: *Laurus Sassafras* L. = *S. albidum* (Nutt.) Nees.
- S. albidum** (Nutt.) Nees, Syst. Laurin. 490 (1836). — Fernald in Rhodora, 38: 179 (1936).  
*Laurus* (*Euosmus*) *albida* Nuttall, Gen. N. Am. Pl. 1: 259 (1818).  
*Euosmus albida* Nuttall, l. c. (1818), in textu.  
*Tetranthera albida* Sprengel, Syst. Veg. 2: 267 (1825).  
*Euosmus albida* Nuttall ex Sprengel, l. c. (1825), pro syn. — B. D. Jackson, Index Kew. 2: 914 [1893] "*Euosmus a.*", pro syn.  
*Sassafras triloba* Rafinesque, Autik. Bot. 85 (1840).  
*Sassafras variifolium* var. *albidum* (Nutt.) Fernald in Rhodora, 15: 16 (1913).  
*Sassafras albidum* var. *glauca* Nieuwland in Am. Midland Nat. 3: 347 (1914).  
*Sassafras officinale* var. *albidum* (Nutt.) Blake in Rhodora, 20: 99 (1918).
- S. albidum** var. *molle* (Raf.) Fernald in Rhodora, 38: 179 (1936).  
*Laurus Sassafras* Linnaeus, Sp. Pl. 371 (1753). — Noronha in Verh. Batav. Genoot. Kunst. Wetensch. 54: 19 (1790) "*L. Salsafraz*".  
*Laurus variifolia* Salisbury, Prodr. Stirp. Chap. Allert. 344 (1796).  
*Laurus diversifolia* Stokes, Bot. Mat. Med. 2: 426 (1812).  
*Euosmus Sassafras* Nuttall, Gen. N. Am. Pl. 1: 259 (1818), in textu.  
*Persea Sassafras* Sprengel, Syst. Veg. 2: 270 (1825).  
*Sassafras officinarum* Berchtold & Presl, Pflroz. Rostl. 2: 68 (1825). — J. S. Presl, Wšob. Rostl. 2: 1307 (1846).  
*Sassafras officinale* Nees & Ebermaier, Handb. Med.-Pharm. Bot. 2: 418 (1831).  
*Sassafras rubra* Rafinesque, Sylv. Tellur. 134 (1838), nom.  
*Sassafras triloba* var. *mollis* Rafinesque, Autik. Bot. 85 (1840).  
*Sassafras Sassafras* Karsten, Pharm.-Med. Bot. 505 (1882). — Sargent, Silva N. Am. 7: 17, t. 304-5 (1895), p. p.  
*Sassafras variifolium* (Salisb.) Kuntze, Rev. Gen. Pl. 2: 574 (1891).  
*Euosmus Sassafras* Nuttall ex B. D. Jackson, Index Kew. 1: 914 [1893], pro syn.  
*Sassafras Laurus* Macloskie in Torreya, 5: 198 (1905).  
*Sassafras Sassafras officinale* (Nees & Eberm.) Clute in Am. Bot. 11: 72 (1906).
- S. Tzumu** (Hemsl.) Hemsley in Kew Bull. 1907: 55 (1907). — Gamble in Sargent, Pl. Wilson. 2: 74 (1914), 622 (1916). — Allen in Jour. Arnold Arb. 17: 328 (1936).  
*Lindera Tzumu* Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 392 (1891).  
*Litsaea laxiflora* Hemsley in op. cit. 383, t. 8 (1891).  
*Pseudosassafras Tzumu* Lecomte in Notul. Syst. Mus. Hist. Nat. Paris, 2: 269 (1912); in Nouv. Arch. Mus. Hist. Nat. Paris. sér. 5, 5: 108 (1913).  
*Lindera camphorata* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 459 (1911).

- LINDERA** Thunberg, Diss. Nov. Gen. 44 (1783); Fl. Jap. 9, 145, t. 21 (1784), p. p. typ. — Bentham & Hooker f., Gen. Pl. 3: 163 (1880). — Non Adanson (1763). — NOM. CONSERV.; cf. Intern. Rules Bot. Nomencl. ed. 3, 134, no. 2821 (1935); Kew Bull. 1940: 102 (1940).  
*Laurus* Linnaeus, Sp. Pl. 154 (1753); Gen. Pl. ed. 5, 239, no. 609 (1754), p. p.  
*Benzoin* Fabricius, Enum. Meth. Pl. Helmstad., ed. 2, 401 (1763). — Nees in Wallich, Pl. As. Rar. 2: 61, 63 (1831); Syst. Laurin. 493 (1836). — Gray, Man. Bot. N. U. S. 394 (1848).  
*Laurus* subgen. *Euosmus* Nuttall, Gen. N. Am. Pl. 1: 258 (1818), p. p.  
*?Calosmon* Berchtold & Presl, Pflroz. Rostlin, 2: 71 (1825).  
*Daphnidium* Nees in Wallich, Pl. As. Rar. 2: 61, 63 (1831); Laurin. Expos. 19 (1833).  
*Ozanthus* Rafinesque, Sylv. Tellur. 133 (1838).  
*Evelyna* Rafinesque, op. cit. 164 (1838), non Poeppig & Endlicher (1835).  
*Aperula* Blume, Mus. Bot. Lugd.-Bat. 1: 365 (1851).  
*Parabenzoin* Nakai in Bull. Soc. Bot. France, 71: 1177, 1180 (1925).  
 TYPUS: *L. umbellata* Thunb.

- L. Benzoin** (L.) Blume, Mus. Bot. Lugd.-Bat. 1: 324 (1851). — Gray, Man. Bot. N. U. S. ed. 5, 423 (1867). — Fernald in Rhodora, 47: 141, t. 889 (1945).  
*Laurus aestivalis* Linnaeus, Sp. Pl. 370 (1753), p. p. quoad syn. "Gron. virg. 46."  
*Laurus Benzoin* Linnaeus, l. c. (1753).  
*Euosmus aestivalis* Nuttall, Gen. N. Am. Pl. 1: 259 (1818).  
*Euosmus Benzoin* Nuttall, l. c. (1818), in textu.  
*Calosmon Benzoin* Berchtold & Presl, Pflroz. Rostlin, 2: 71 (1825).  
*Benzoin odoriferum* Nees in Wallich, Pl. As. Rar. 63 (1830). — Gray, Man. Bot. N. U. S. 394 (1848).  
*Calosmon aestivale* Kosteletzki, Allg. Med.-Pharm. Fl. 2: 478 [1833].  
*Benzoin aestivale* Nees, Syst. Laurin. 495 (1836). — Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 414 (1908).  
*Ozanthus benzoin* Rafinesque, Sylva Tellur. 133 (1838).  
*Lindera aestivalis* Blume, Mus. Bot. Lugd.-Bat. 1: 324 (1851).  
*Lindera Benzoin* β. *aestivalis* Meissner in De Candolle, Prodr. 15, 1: 244 (1864).  
*Benzoin benzoin* Coulter in Mem. Torrey Bot. Club, 5: 164 (1894). — Britton & Brown, Ill. Fl. N. U. S. 2: 98, fig. 1656 (1897).
- L. Benzoin** f. *xanthocarpa* (G. S. Torrey) Rehder in Jour. Arnold Arb. 20: 413 (1939).  
*Benzoin aestivale* f. *xanthocarpum* G. S. Torrey in Rhodora, 16: 91 (1914).  
*Lindera aestivalis* f. *xanthocarpa* (G. S. Torrey) Rehder in Jour. Arnold Arb. 20: 92 (1939).
- L. Benzoin** var. *pubescens* (Palm. & Steyerl.) Rehder in op. cit. 20: 412 (1939).  
*Benzoin aestivale* var. *pubescens* Palmer & Steyerl. in Ann. Missouri Bot. Gard. 22: 545 (1935).
- L. praecox** (Sieb. & Zucc.) Blume, Mus. Bot. Lugd.-Bat. 1: 324 (1851).  
*Benzoin praecox* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 43: 205 (Fl. Jap. Fam. Nat. 2: 81) (1846).  
*Parabenzoin praecox* Nakai in Bull. Soc. Bot. France, 71: 1181, fig. (1925).

- L. megaphylla** Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 388 (1891).—Rehder in Jour. Arnold Arb. **18**: 275 (1937).  
*Benzoin grandifolium* Rehder in op. cit. **1**: 145 (1919), non *Benzoin megaphyllum* Kuntze (1891).  
*Benzoin touyunense* (Lévl.) Rehder in op. cit. **10**: 194 (1929), p. p.  
*Benzoin touyunense* f. *megaphyllum* (Hemsl.) Rehder in op. cit. **11**: 158 (1930).
- L. umbellata** Thunberg, Fl. Jap. 145, t. 21 (1784).  
*Sassafras Thunbergii* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**, **1**: 23 (Syn. Pl. Oec. Jap.) (1830), nom.  
*Benzoin Thunbergii* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**, **3**: 204 (Fl. Jap. Fam. Nat. **2**: 80) (1846), p. p.  
*Lindera membranacea* Maximowicz in Bull. Acad. Sci. St. Pétersb. **12**: 72 (in Mém. Biol. **6**: 275. 1868) (1867).  
*Benzoin membranaceum* Kuntze, Rev. Gen. Pl. **2**: 569 (1891).  
*Benzoin umbellatum* Kuntze, l. c. (1891).—Rehder in Jour. Arnold Arb. **1**: 146 (1919).
- L. umbellata** var. *hypoglauc*a (Maxim.) Makino in Bot. Mag. Tokyo, **14**: 185 (1900).  
*Lindera hypoglauc*a Maximowicz in Bull. Acad. Sci. St. Pétersb. **12**: 72 (in Mém. Biol. **6**: 274. 1868) (1867).  
*Benzoin hypoleucum* (Maxim.) Kuntze, Rev. Gen. Pl. **2**: 569 (1891).  
*Benzoin hypoglaucum* Rehder in Bailey, Cycl. Am. Hort. [**1**]: 153 (1900).
- L. obtusiloba** Blume, Mus. Bot. Lugd.-Bat. **1**: 325 (1851).  
*Benzoin obtusilobum* Kuntze, Rev. Gen. Pl. **2**: 569 (1891).
- L. triloba** (Sieb. & Zucc.) Blume, Mus. Bot. Lugd.-Bat. **1**: 325 (1851).  
*Benzoin trilobum* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**, **3**: 202 (Fl. Jap. Fam. Nat. **2**: 78) (1846).  
*Parabenzoin trilobum* Nakai in Bull. Soc. Bot. France, **71**: 1181 (1925).
- L. cercidifolia** Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 387 (1891).  
*Benzoin cercidifolium* Rehder in Jour. Arnold Arb. **1**: 144 (1919).
- LAURUS** Linnaeus, Sp. Pl. 369 (1753), p. p. typ.; Gen. Pl. ed. 5, 173, no. 452 (1754).—Bentham & Hooker f., Gen. Pl. **3**: 163 (1880).  
LECTOTYPUS: *L. nobilis* L.
- L. nobilis** Linnaeus, Sp. Pl. 369 (1753).
- Fam. **CRUCIFERAE**
- CRUCIFERAE** Necker in Act. Acad. Elect. Sci. Theod.-Palat. **2**: 479 (1770), nom. subnud.—B. Jussieu, Ord. Nat. Hort. Trianon. 1759 [nom. subnud.] in A. L. Jussieu, Gen. Pl. lxxvii (1789); A. L. Jussieu, op. cit. 237 (1789).—Bentham & Hooker f., Gen. Pl. **1**: 57 (1862).—Janchen in Oester. Bot. Zeitschr. **91**: 2–28 (1942).—NOM. ALTERN. CONSERV. cf. Syn. Propos. Nomencl. Sixth Intern. Congr. 64 (1935); Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936).  
*Siliquosa* P. F. Gmelin, Otia Bot. 56, 166 (1760, pref. Sept.).  
*Brassicaceae* Lindley, Nat. Syst. Bot. ed. 2, enl. 58 (1836).
- Tetradynamae* Reichenbach, Handb. Nat. Pflanzensyst. 256 (1837).  
*Raphanaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 169 (1847), nom. altern.
- IBERIS** Linnaeus, Sp. Pl. 648 (1753); Gen. Pl. ed. 5, 292, no. 721 (1754).—Bentham & Hooker f., Gen. Pl. **1**: 92 (1862).  
*Biauricula* Bubani, Fl. Pyren. **3**: 217 (1901).  
LECTOTYPUS: *I. semperflorens* L.
- I. gibraltarica** Linnaeus, Sp. Pl. 649 (1753).—De Candolle, Reg. Veg. Syst. **2**: 395 (1821).—Willkomm & Lange, Prodr. Fl. Hisp. **3**: 766 (1880).  
*Iberis speciosa* Salisbury, Prodr. Stirp. Chap. Allert. 267 (1791).  
*Iberis dentata* Moench, Suppl. Meth. Pl. 88 (1802).
- I. Tenoreana** De Candolle, Reg. Veg. Syst. **2**: 404 (1821).—Willkomm & Lange, Prodr. Fl. Hisp. **3**: 771 (1880).  
*Iberis rhodocarpa* Willkomm in Bot. Zeit. **5**: 235 (1847).
- I. Pruitii** Tineo, Pl. Rar. Sicil. Pugill. **1**: 11 (1817).—De Candolle, Reg. Veg. Syst. **2**: 404 (1821).—Parlatore, Fl. Ital. **9**: 717 [1890?].  
*Iberis Tenoreana* f. *hirsuta* Tenore, Fl. Med. 518 (1823).
- I. saxatilis** Linnaeus, Cent. Pl. **2**: 23 (1755); Amoen. Acad. **4**: 321 (1759); Sp. Pl. ed. 2, 905 (1763).—Willkomm & Lange, Prodr. Fl. Hisp. **3**: 772 (1880).  
*Iberis arbuscula* β. *angustifolia* Spach, Hist. Nat. Vég. Phan. **6**: 562 (1838).  
*Iberis Zanardinii* Visiani in Mem. Istit. Venet. Sci. **16**: 119 (Fl. Dalmat. Suppl. 1872) (1871).  
*Biauricula saxatilis* Bubani, Fl. Pyren. **3**: 226 (1901).  
*Iberis sempervirens* subsp. *I. saxatilis* (L.) Bonnier, Fl. Compl. France Suisse Belg. **1**: 96 [1912].
- I. corifolia** (Sims) Sweet, Hort. Brit. 22 (1826).  
*Iberis saxatilis* β. *corifolia* Sims in Bot. Mag. **40**: t. 1642 (1814).—De Candolle, Reg. Veg. Syst. **2**: 396 (1821).  
? *Iberis correaefolia* Nicholson, Ill. Dict. Gard. **2**: 171 (1885).
- I. sempervirens** Linnaeus, Sp. Pl. 648 (1753).—Boissier, Fl. Or. **1**: 333 (1867).  
*Iberis arbuscula* α. *latifolia* Spach, Hist. Nat. Vég. Phan. **6**: 562 (1838).  
*Biauricula sempervirens* Bubani, Fl. Pyren. **3**: 225 (1901).
- I. sempervirens** var. *Garrexiana* (All.) Cesati & al., Comp. Fl. Ital. 828 [1884?].—Nicholson, Ill. Dict. Gard. **2**: 172 (1885).  
*Iberis Garrexiana* Allioni, Fl. Pedem. **1**: 250 (1785).—Willkomm & Lange, Prodr. Fl. Hisp. **3**: 772 (1880).
- I. semperflorens** Linnaeus, Sp. Pl. 648 (1753).—De Candolle, Reg. Veg. Syst. **2**: 394 (1821).
- AETHIONEMA** R. Brown ex Aiton f., Hort. Kew. ed. 2, **4**: 80 (1812).—Bentham & Hooker f., Gen. Pl. **1**: 88 (1862).  
*Thlaspi* Linnaeus, Sp. Pl. 901 (1753); Gen. Pl. 292, no. 719 (1754), p. p.  
*Diastrophis* Fischer & Meyer in Ind. Sem. Hort. Petrop. **2**: 35 (1835).  
*Morrera* Boissier in Ann. Sci. Nat. Bot. sér. 2, **16**: 380 (1841).  
*Iberidella* Boissier in op. cit. **17**: 188 (1842).  
*Crenularia* Boissier in Ann. Sci. Nat. Bot. sér. 2, **17**: 181 (1842).



**Aethionema** (continued)

*Campyloptera* Boissier in op. cit. 194 (1842).

*Lipophragma* Schott & Kotschy ex Boissier, Diagn. Pl. Or. ser. 2, 5: 42 (1856).

*Aethionema* sect. *Euaethionema* Boissier, Fl. Or. 1: 341 (1867).

LECTOTYPUS: *Thlaspi saxatile* L. = *A. saxatilis* (L.) Ait. f.

**A. grandiflorum** Boissier & Hohenacker ex Boissier, Diagn. Pl. Or. ser. 1, 8: 42 (1849), exclud. var.  $\beta$ .; Fl. Or. 1: 346 (1867).

**A. pulchellum** Boissier & Huet ex Boissier, Diagn. Pl. Or. ser. 2, 5: 43 (1856); Fl. Or. 1: 346 (1867). — Busch in Komarov, Fl. S. S. S. R. 8: 558, t. 31, fig. 1 (1939).

*Aethionema coridifolium* Hort. Berol. ex Boissier, Fl. Or. 1: 346 (1867), pro syn. — Hort. ex Nicholson, Ill. Dict. Gard. 1: 34, fig. 37, t. (1885), non De Candolle (1821).

**A. diastrophis** Bunge in Del. Sem. Hort. Dorpat. 1841: 7 (1841). — Boissier, Fl. Or. 1: 347 (1867). — Busch in Komarov, Fl. S. S. S. R. 8: 559 (1939).

*Diastrophis cristata* Fischer & Meyer in Ind. Sem. Hort. Petrop. 2: 36 (1835).

**A. coridifolium** De Candolle, Reg. Veg. Syst. 2: 561 (1821). — Boissier, Fl. Or. 1: 347 (1867).

*Lepidium leiocarpum* De Candolle, Reg. Veg. Syst. 2: 536 (1821).

*Iberis jucunda* Schott & Kotschy ex Boissier, Fl. Or. 1: 347 (1867), pro syn.

**A. membranaceum** De Candolle, Reg. Veg. Syst. 2: 561 (1821). — Boissier, Fl. Or. 1: 346 (1867). — Busch in Komarov, Fl. S. S. S. R. 8: 560, t. 31, fig. 5 (1939).

**A. gracile** De Candolle, Reg. Veg. Syst. 2: 559 (1821), exclud. syn. — Boissier, Fl. Or. 1: 351 (1867).

**A. iberideum** Boissier in Ann. Sci. Nat. Bot. sér. 2, 17: 191 (1842); Fl. Or. 1: 351 (1867).

*Aethionema schistosum* Boissier & Kotschy ex Boissier, Diagn. Pl. Or. sér. 2, 5: 42 (1856); Fl. Or. 1: 347 (1867). — Busch in Komarov, Fl. S. S. S. R. 8: 559 (1939).

**PSEUDOCYTISUS** Kuntze in Post & Kuntze, Lex. Gen. Phan. 464 (1904). — Rehder in Jour. Arnold Arb. 8: 22 (1927).

*Vella* Linnaeus, Sp. Pl. 641 (1753), p. p.; Gen. Pl. 289, no. 714 (1754), p. p. — De Candolle, Reg. Veg. Syst. 2: 639, 841 (1821), p. p. — Bentham & Hooker f., Gen. Pl. 1: 85 (1862), p. p.

Typus: *Vella Pseudocytisus* L. = *Pseudocytisus integrifolius* (Salisb.) Rehd.

**P. spinosus** (Boiss.) Rehder in Jour. Arnold Arb. 8: 23 (1927), p. p.

*Vella spinosa* Boissier in Bibl. Univ. Genève, nouv. sér., 13: 407 (1838, March); Elench. Pl. Nov. 14 (1838). — Purpus in Gartenfl. 75: 436, fig. (1926).

**P. integrifolius** (Salisb.) Rehder in Jour. Arnold Arb. 8: 23 (1927).

*Vella Pseudocytisus* Linnaeus, Sp. Pl. 641 (1753). — Purpus in Gartenfl. 75: 437, fig. (1926).

*Vella integrifolia* Salisbury, Prodr. Stirp. Chap. Allert. 265 (1796).

**ALYSSUM** Linnaeus, Sp. Pl. 650 (1753); Gen. Pl. 293, no. 722 (1754). — Bentham & Hooker f., Gen. Pl. 1: 73 (1862).

*Meniocus* Desvaux in Jour. de Bot. (Desvaux) 3: 173 (1814).

*Aurinia* Desvaux in op. cit. 162 (1814).

*Psilonema* C. A. Meyer in Ledebour, Fl. Alt. 3: 50 (1831).

*Odontarrhena* C. A. Meyer in op. cit. 58 (1831).

*Ptilotrichum* C. A. Meyer in op. cit. 64 (1831).

LECTOTYPUS: *A. montanum* L.

**A. saxatile** Linnaeus, Sp. Pl. 650 (1753). — Koch, Syn. Fl. Germ. Helv. ed. 2, 63 (1843). — Busch in Komarov, Fl. S. S. S. R. 8: 348 (1939).

*Aurinia saxatilis* Desvaux in Jour. de Bot. (Desvaux) 3: 162 (1813).

*Odontarrhena saxatilis* Jordan & Fourreaux, Brev. Pl. Nov. 2: 2 (1868).

**A. saxatile** f. *variegatum* (Nichols.), grad. nov.

*Alyssum saxatile variegatum* Nicholson, Ill. Dict. Gard. 1: 60, fig. 71 (1884).

**A. petraeum** Arduino, Animadv. Bot. Spec. Alt. 30, t. 14 (1764). — Koch, Syn. Fl. Germ. Helv. ed. 2, 1: 63 (1843).

*Alyssum gemonense* Linnaeus, Mant. Pl. 92 (1767).

*Alyssum edentulum* Waldstein & Kitaibel, Descr. Icon. Pl. Rar. Hung. 1: 95, t. 92 (1802).

*Aurinia gemonensis* Grisebach, Spicil. Fl. Rumel. 1: 272 (1843).

**A. argenteum** Vitman, Summ. Pl. 4: 30 (1790). — Koch, Syn. Fl. Germ. Helv. ed. 2, 1: 64 (1843).

*Odontarrhena argentea* Ledebour, Fl. Ross. 1: 141 [1841].

**A. spinosum** Linnaeus, Sp. Pl. 650 (1753). — Rouy, Fl. France, 2: 188 (1895).

*Ptilotrichum spinosum* Boissier, Voy. Bot. Esp. 2: 46 (1837). — Willkomm & Lange, Prodr. Fl. Hisp. 3: 835 (1880).

Fam. **CRASSULACEAE**

CRASSULACEAE De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 382 (1805). — Bentham & Hooker f., Gen. Pl. 1: 656 (1865). — Nom. Conserv.; cf. Sprague, Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 64 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Sedaceae* Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 487 (1770), nom. subnud. — Barnhart in Bull. Torrey Bot. Club, 22: 13 (1895).

*Corniculatae* 2. *Crassulariae* a. *Sedeae* Reichenbach, Handb. Nat. Pflanzensyst. 230 (1837).

*Semperviveae* Presl, Wšeb. Rostlin. 1: 655 (1846).

**SEDUM** Linnaeus, Sp. Pl. 430 (1753); Gen. Pl. 197, no. 513 (1754). — Bentham & Hooker f., Gen. Pl. 1: 659 (1865).

Synonyma vide Dalla Torre & Harms, Gen. Siphonog. 197 (1901).

LECTOTYPUS: *S. acre* L.

**S. populifolium** Pallas, Reise Russ. Reich. 3: 730 (1776). — Borisova in Komarov, Fl. S. S. S. R. 9: 67 (1939).

Fam. **SAXIFRAGACEAE**

SAXIFRAGACEAE De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 358 (1805). — Dumortier, Anal. Fam. Pl. 38 (1829). — Endlicher, Gen. Pl. 813 [1839]. — Engler in Nat. Pflanzenfam. III. 2a: 41–93 (1891); ed. 2, 18a: 74–226 (1930).

- Saxifrageae* Ventenat, Tabl. Reg. Vég. **3**: 277 (1799).—Bentham & Hooker f., Gen. Pl. **1**: 629 (1865).  
*Baueraceae* Lindley, Introd. Nat. Syst. Bot. **50** (1830).  
*Francoaceae* Jussieu in Ann. Sci. Nat. **25**: 9 (1832).  
*Cunoniaceae* Horaninov, Prim. Lin. Syst. Nat. **85** (1834).  
*Parnassiaceae* Gray, Introd. Struct. Syst. Bot. ed. 5, 394 (1858).
- Subfam. I. HYDRANGEOIDEAE A. Braun in Ascherson, Fl. Prov. Brandenb. **1**: 61 (1864).—Engler in Nat. Pflanzenfam. III. **2a**: 46–69 (1891).  
*Myrtoideae* Ventenat, Tabl. Reg. Vég. **317** (1799), p. p. quoad *Philadelphus*.  
*Philadelphaeae* D. Don in Edinb. New Philos. Jour. [1]: 132 (1826).—De Candolle & A. De Candolle in De Candolle, Prodr. **3**: 205 (1828).  
*Hydrangeaceae* Dumortier, Anal. Fam. Pl. **38** (1829).  
*Philadelphineae* Dumortier, l. c. **36**, 97 (1829), err. typogr. "*Phyladelphineae*" p. 36.  
*Caprifoliaceae* sect. *Hydrangeaceae* Lindley, Introd. Nat. Syst. Bot. **207** (1830).  
*Epilobiaceae* Horaninov, Prim. Lin. Syst. Nat. **81** (1834), quoad *Philadelphus* et *Decumaria*.  
*Cunoniaceae* Horaninov, op. cit. **85** (1834), quoad *Hydrangea*.  
*Philadelphaceae* Lindley, Nat. Syst. Bot. ed. 2, 47 (1836).  
*Corniculatae* 1. *Saxifragariae* b. *Philadelphaeae* et c. *Hydrangeae* Reichenbach, Handb. Nat. Pflanzensyst. **230** (1837).  
*Saxifragaceae* subord. *Hydrangeae* et subord. *Philadelphaeae* Gray, Bot. Textb. **284**, **285** (1842).  
*Ribesiaceae* . . . *Hydrangeae* et *Philadelphaeae* Horaninov, Tetractys Nat. **29** (1843), nom.  
*Hortensieae* Presl, Wseob. Rostlin. **1**: 690 (1846), p. p.  
*Saxifragaceae* 7. *Hydrangeae* s. *Hortensieae* Horaninov, Char. Ess. Fam. Reg. Nat. **146** [145] (1847).  
*Saxifragaceae* 4. *Hydranginae* Drude in A. Schenk, Handb. Bot. **32**: 381 (1887).
- CARPENTERIA** Torrey in Smithson. Inst. Contrib. Knowl. **6**: 12, t. 7 (Pl. Frémont.) (1884).—Bentham & Hooker f., Gen. Pl. **1**: 643 (1865).  
 Typus: *C. californica* Torr.
- C. californica** Torrey, l. c. (1854).—Small & Rydberg in N. Am. Fl. **22**: 177 (1905).
- PHILADELPHUS** Linnaeus, Sp. Pl. **470** (1753); Gen. Pl. ed. 5, **211**, no. **540** (1754).—Bentham & Hooker f., Gen. Pl. **1**: 642 (1865).—Koehne in Gartenfl. **45**: 450–1, 486–8, 506–8, 541–2, 561–3, 596–7, 618–9, 651–2 (1896).  
*Syringa* Adanson, Fam. Pl. **2**: 244 (1763).—Moench, Meth. Pl. **678** (1794).—Non Linnaeus (1753).  
 LECTOTYPUS: *P. coronarius* L.
- Ser. 1. GORDONIANI (Koehne) Rehder, Man. Cult. Trees Shrubs, ed. 2, **266** (1940).  
*Philadelphus* sect. *Stenostigma* subsect. *Gordoniani* Koehne in Gartenfl. **45**: 450 (1896).  
*Philadelphus* sect. *Stenostigma* subsect. *Gemmati* Koehne in Gartenfl. **45**: 450 (1896), p. p.
- P. cordifolius** J. Lange, Forteg. Veter.- & Landboh. Fri-landstr. **66** (1871); in Bot. Tidskr. ser. 3, **2**: 132, t. 3 (1878).—Small & Rydberg in N. Am. Fl. **22**: 164 (1905).
- P. californicus** Bentham, Pl. Hartweg. **309** [1849].—Small & Rydberg in N. Am. Fl. **22**: 164 (1905).  
 ?*Philadelphus Lewisii* var. *parvifolius* Torrey in U. S. Rep. Explor. Surv. Railr. Mississippi Riv. Pacif. Oc. **4**: 90 (1856).  
*Philadelphus Lewisii* var. *californicus* Gray, Bot. Calif. **1**: 202 (1876).
- P. insignis** [*P. cordifolius* vel *californicus*?  $\times$  *pubescens*] Carrière in Rev. Hort. **1870**: 40 (1870).—Schneider, Ill. Handb. Laubh. **1**: 367, fig. 236g (1905).  
*Philadelphus Billardi* Koehne in Gartenfl. **45**: 508 (1896).
- P. Lewisii** Pursh, Fl. N. Am. **1**: 239 (1814).—Small & Rydberg in N. Am. Fl. **22**: 165 (1905).
- P. confusus** Piper in Bull. Torrey Bot. Club, **29**: 225 (1902).  
*Philadelphus globosus* hort. ex K. Koch, Dendr. **1**: 344 (1869), pro syn.  
*Philadelphus Lewisii* hort. ex Rehder, Man. Cult. Trees Shrubs, **272** (1927), pro syn.
- P. Gordonianus** Lindley in Bot. Reg. **24**(Misc.): 21 (1838); **25**: t. 32 (1839).—Small & Rydberg in N. Am. Fl. **22**: 167 (1905).  
*Philadelphus cordatus* Kirchner in Petzold & Kirchner, Arb. Muscav. **203** (1864).  
*Philadelphus Grahami* Kirchner, l. c. (1864).  
*Philadelphus californicus* sensu Carrière in Rev. Hort. **1866**: 339 (1866), non Bentham (1849).
- P. Gordonianus** var. *columbianus* (Koehne) Rehder in Jour. Arnold Arb. **1**: 196 (1920).  
*Philadelphus Gordonianus* var. *californicus* (hort.) Dippel, Handb. Laubh. **3**: 342 (1893), p. p.; non *P. californicus* Benth. (1849).  
*Philadelphus columbianus* Koehne in Gartenfl. **44**: 542 (1896).—Small & Rydberg in N. Am. Fl. **22**: 166 (1905).
- P. pubescens** Loiseleur, Herb. Gén. Amat. **4**: t. 268 (1820).—Rehder in Jour. Arnold Arb. **2**: 153 (1921).  
*Philadelphus grandiflorus* sensu Ker in Bot. Reg. **7**: t. 570 (1821).—Watson, Dendr. Brit. **1**: t. 46 (1824).—Non Willdenow (1809).  
*Philadelphus latifolius* Schrader ex De Candolle, Prodr. **3**: 206 (1828).—Small & Rydberg in N. Am. Fl. **22**: 168 (1905).  
*Philadelphus grandiflorus*  $\gamma$ . *floribunda* Gray, Fl. N. Am. **1**: 595 (1840), p. p. typ.  
*Philadelphus latifolius* a. *pubescens* Dippel, Handb. Laubh. **3**: 339 (1893), p. p. quoad syn.
- P. pubescens** var. *intectus* (Beadle) A. H. Moore in Rhodora, **17**: 123 (1915).  
*Philadelphus intectus* Beadle in Biltmore Bot. Stud. **1**: 160 (1902).—Small & Rydberg in N. Am. Fl. **22**: 167 (1905).
- P. nivalis** [*P. coronarius*  $\times$  *pubescens*] Jacques in Hortic. Univ. **2**: 19 (1841) "*P. latifolius*  $\times$  ?"  
*Philadelphus verrucosus* var. *nivalis* (Jacques) Rehder in Jour. Arnold Arb. **1**: 199 (1920).  
*Philadelphus verrucosus* Hort. ex Rehder, l. c. (1920) pro syn., non Schrader (1828).
- P. nivalis** f. *plenus* [Späth] Rehder, Man. Cult. Trees Shrubs, ed. 2, **267** (1940).  
*Philadelphus coronarius* (f.)? *nivalis plenus* (Späth) Schelle in Beissner et al., Handb. Laubh.-Ben. **128** (1903), nom.  
*Philadelphus coronarius nivalis spectabilis plenus* hort. Späth ex Schelle l. c. (1903), pro syn.

**Philadelphus nivalis f. plenus** (continued)

*Philadelphus verrucosus* var. *nivalis* f. *plenus* Rehder in Jour. Arnold Arb. 1: 199 (1920).

*Philadelphus nivalis spectabilis plenus* Hort. ex Rehder, l. c. (1920), pro syn.

*Philadelphus nivalis* var. *plenus* Rehder, Man. Cult. Trees Shrubs, 273 (1927).

**P. pendulifolius** [*P. laxus* × *pubescens*] Carrière in Rev. Hort. 1875: 360 (1875).

*Philadelphus verrucosus* var. *pendulifolius* A. H. Moore in Bailey, Stand. Cycl. Hort. 5: 2581 (1916).

**P. verrucosus** Schrader ex De Candolle, Prodr. 3: 205 (1828), exclud. syn.; [Schrader] in Linnaea, 12: 392 (1838) exclud. β.—Rehder in Jour. Arnold Arb. 2: 154 (1921).

?*Philadelphus speciosus* sensu Lindley in Bot. Reg. 23: t. 2003 (1837), non Schrader (1828).

*Philadelphus grandiflorus* γ. *floribunda* Torrey & Gray, Fl. N. Am. 1: 595 (1840), quoad syn. *P. verrucosus*.

*Philadelphus latifolius* a. *verrucosus* Dippel, Handb. Laubh. 3: 340 (1893).

*Philadelphus latifolius* b. *pubescens* Dippel, l. c. (1893), p. p.

*Philadelphus pubescens* sensu Koehne, Deutsche Dendr. 181 (1893); in Gartenfl. 45: 542 (1896).—Rydberg in N. Am. Fl. 22: 174 (1905).—Non Loiseleur (1820).

**P. congestus** (*P. laxus* × *verrucosus*) Rehder in Jour. Arnold Arb. 1: 200 (1920).**P. monstrosus** (Späth) Rehder (*P. Gordonianus* × *pubescens*) in Jour. Arnold Arb. 1: 199 (1920).

*Philadelphus Gordonianus monstrosus* Hort. ex Späth, Kat. no. 100: 95 (1897), nom.

*Philadelphus monstrosus* Schelle in Beissner et al., Handb. Laubh.-Ben. 129 (1903), nom. subnud.

*Philadelphus Gordonianus* × *Ph. latifolius* Schelle, l. c. (1903), pro syn.

Ser. 2. **SERICANTHI** Rehder in Jour. Arnold Arb. 1: 196 (1920).

*Philadelphus* sect. *Stenostigma* subsect. *Satsumani* Koehne in Gartenfl. 45: 450 (1896), p. p.

**P. Magdalenae** Koehne in Mitt. Deutsch. Dendr. Ges. 1904 (13): 83 (1905); in Sargent, Pl. Wilson. 1: 145 (1912).

—Rehder in Jour. Arnold Arb. 12: 275 (1931).  
*Philadelphus coronarius* var. *chinensis* Léveillé, Fl. Kouy-Tchéou, 389 (1916), nom. nud.

**P. incanus** Koehne in Gartenfl. 45: 562 (1896), exclud. specim. Henry 8823; in Sargent, Pl. Wilson. 1: 5 (1911).**P. subcanus** Koehne in Mitt. Deutsch. Dendr. Ges. 1904 (13): 83 [1905]; in Sargent, Pl. Wilson. 1: 4 (1911).**P. subcanus** var. **Wilsonii** (Koehne) Rehder in Jour. Arnold Arb. 1: 196 (1920).

*Philadelphus Wilsonii* Koehne in Sargent, Pl. Wilson. 1: 4 (1911).—A. O[sborn] in Gard. Chron. ser. 3, 114: 186, fig. 93 (1943).

**P. sericanthus** Koehne in Gartenfl. 45: 561 (1896).—Schneider, Ill. Handb. Laubh. 1: 370, fig. 236p, 237m-o (1905).**P. sericanthus** var. **Rehderianus** Koehne in Repert. Sp. Nov. Reg. Veg. 10: 127 (1911).**P. purpurascens** (Koehne) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 220 (1916).

*Philadelphus brachybotrys* var. *purpurascens* Koehne in Sargent, Pl. Wilson. 1: 6 (1911).

*Philadelphus Delavayi* sensu Hutchinson in Bot. Mag. 136: t. 8324 (1910), non L. Henry (1903).

**P. venustus** Koehne in Mitt. Deutsch. Dendr. Ges. 1906 (15): 53 [1907?]; in Repert. Sp. Nov. Reg. Veg. 6: 335 (1909).**P. Delavayi** L. Henry in Rev. Hort. 1903: 12, fig. 3 (1903).—Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 51 [1907?].**P. Delavayi** f. **melanocalyx** (Lemoine) Rehder, Man. Cult. Trees Shrubs, ed. 2, 269 (1940) "(f.)."

*Philadelphus Delavayi melanocalyx* Lemoine ex Rehder, Man. Cult. Trees Shrubs, 275 (1927) "var."

**P. Delavayi** var. **calvescens** Rehder in Jour. Arnold Arb. 1: 196 (1920); 5: 236 (1924).

*Philadelphus nepalensis* sensu Diels in Notes Bot. Gard. Edinb. 7: 291, 292 (1912), non Koehne (1896).

*Philadelphus Delavayi* sensu Stapf in Bot. Mag. 144: t. 9022 (1924), non L. Henry (1903).

Ser. 3. **CORONARI** (Koehne) Rehder, Man. Cult. Trees Shrubs, ed. 2, 269 (1940).

*Philadelphus* sect. *Stenostigma* subsect. *Coronarii* Koehne in Gartenfl. 45: 451 (1896).

*Philadelphus* sect. *Stenostigma* subsect. *Satsumani* Koehne, l. c. (1896), p. p.

**P. satsumanus** Siebold ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 99 (1867).—Rehder in Mitt. Deutsch. Dendr. Ges. 1910(19): 249 [1911?]

*Philadelphus coronarius* γ. *Satsumi* Maximowicz in Mém. Acad. Sci. St. Pétersb. 10,16: 40 (1867), exclud. syn.

*Philadelphus acuminatus* J. Lange, Forteg. Veter. Landboh. Frilandstr. 65 (1871); in Bot. Tidsskr. ser. 3, 2: 131, t. 2 (1877).

*Philadelphus coronarius* var. *satsumanus* Jäger, Ziergeh. ed. 2, 236 (1884).

*Philadelphus Satsumi* Siebold ex Koehne, Deutsche Dendr. 180 (1893), non Lindley (1851–2).

*Philadelphus coronarius* var. *acuminatus* (Lge.) A. H. Moore in Rhodora, 17: 122 (1915).

*Philadelphus Yokohamae* hort. ex A. H. Moore, l. c. (1915), pro syn.

**P. satsumanus** var. **nikoënsis** Rehder in Mitt. Deutsch. Dendr. Ges. 1910(19): 249 [1911?]; in Repert. Sp. Nov. Reg. Veg. 13: 362 (1914).**P. tomentosus** Wallich, Num. List, no. 3653 [1830], nom.—Royle, Ill. Bot. Himal. 1: 216 (1835); 2: t. 46, fig. 1 (1839).—Koehne in Gartenfl. 45: 562 (1896).

*Philadelphus triflorus* Wallich, Num. List, no. 3653 [1830], pro syn.

*Philadelphus nepalensis* Loddiges Cat. 1836 ex Loudon, Arb. Brit. 2: 955 (1838), pro syn.

*Philadelphus coronarius* δ. *tomentosus* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10,16: 41 (Rev. Hydrang. As. Or.) (1867).—Hooker f. & Thomson, Fl. Brit. Ind. 2: 407 (1878).

**P. maximus** [*P. pubescens* × *tomentosus*] Rehder in Mitt. Deutsch. Dendr. Ges. 1913(22): 255 [1914] "*P. latifolius* × *t.*"**P. nepalensis** hort. ex Koehne, Deutsche Dendr. 183 (1893); in Gartenfl. 45: 618 (1896); non Loudon (1838), pro syn.

- P. pekinensis** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 365 (in Mém. Biol. **2**: 543. 1858) (1857). — Hu & Chun, Icon. Fl. Sin. **1**: 29, t. (1927). — Rehder in Jour. Arnold Arb. **12**: 275 (1931).  
*Philadelphus coronarius* f. *pekinensis* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10,16**: 42 (Rev. Hydrang. As. Or.) (1867).  
*Philadelphus rubricaulis* Carrière in Rev. Hort. **1870**: 460 (1871).  
*Deutzia Chaneti* Léveillé in Repert. Sp. Nov. Reg. Veg. **9**: 451 (1911).
- P. pekinensis** var. *brachybotrys* Koehne in Mitt. Deutsch. Dendr. Ges. **1904**(13): 84 [1905].  
*Philadelphus brachybotrys* Koehne in Sargent, Pl. Wilson. **1**: 5 (1911).
- P. pekinensis** var. *kansuensis* Rehder in Jour. Arnold Arb. **9**: 49 (1928).
- P. tenuifolius** Ruprecht & Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 133 (in Mém. Biol. **2**: 425. 1857) (1856). — Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 365 (in Mém. Biol. **2**: 542. 1858) (1857). — Yabe, Icon. Fl. Manch. **1**: t. 18 (1920). — Nakai, Fl. Sylv. Kor. **15**: 52 (1926). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 221, t. 13, fig. 1 (1939).  
*Philadelphus coronarius* f. *tenuifolius* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10,16**: 38 (Rev. Hydrang. As. Or.) (1867).  
*Philadelphus coronarius* var. *Satsumi* Nakai in Jour. Coll. Sci. Tokyo, **31**: 485 (1911), non Maximowicz (1867).
- P. Viki** Zamelis in Act. Hort. Bot. Univ. Latv. **11-12**: 232, t. 1 (1939).
- P. Schrenkii** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 365 (in Mém. Biol. **2**: 542. 1858) (1857). — Nakai, Fl. Sylv. Kor. **15**: 53, t. 12 (1926). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 222 (1939).  
*Philadelphus coronarius* f. *mandshuricus* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10,16**: 41 (Rev. Hydrang. As. Or.) (1867).  
*Philadelphus coronarius* f. *Satsumi* Maximowicz in op. cit. **40** (1867), p. p.  
*Philadelphus mandshuricus* Nakai in Bot. Mag. Tokyo, **29**: 66 (1915).  
*Philadelphus Schrenkii* var. *mandshuricus* (Maxim.) Kitagawa in Rep. Inst. Sci. Res. Manchoukuo, vol. **3**, Appx. **1**: 253 (Lin. Fl. Manshur.) (1939).
- P. Schrenkii** var. *Jackii* Koehne in Repert. Sp. Nov. Reg. Veg. **10**: 127 (1911).  
*Philadelphus lasiogynus* Nakai in Bot. Mag. Tokyo, **29**: 67 (1915); Fl. Sylv. Kor. **15**: 54, t. 13 (1926).
- P. coronarius** Linnaeus, Sp. Pl. **470** (1753). — Koch, Syn. Fl. Germ. Helv. **249** (1837).  
*Syringa suaveolens* Moench, Meth. Pl. **678** (1794).  
*Philadelphus coronarius* a. *vulgaris* De Candolle, Prodr. **3**: 205 (1828).  
*Philadelphus coronarius* a. *genuinus* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10,16**: 37 (Rev. Hydrang. As. Or.) (1867), p. p.  
*Philadelphus pallidus* Hayek in litt. ex Schneider, Ill. Handb. Laubh. **1**: 373, fig. 237x-z, 238h-k (1905). — Hayek, Fl. Steierm. **1**: 725 (1909).
- P. coronarius** f. *aureus* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **128** (1903) "(f.)"  
*Philadelphus coronarius* var. *fol. aureis* Hartwig, Ill. Genölbz. **259** (1892).
- Philadelphus coronarius* var. *aureus* hort. ex Rehder in Bailey, Cycl. Am. Hort. **[3]**: 1298 (1901).
- P. coronarius** f. *variegatus* [West.] hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **128** (1903) "(f.)"  
*Philadelphus coronarius* 3. *variegatus* Weston, Univ. Bot. **1**: 205 (1770). — Bean, Trees Shrubs Brit. Isl. **2**: 134 (1914).
- P. coronarius** f. *duplex* (West.), grad. nov.  
*Philadelphus nanus* Miller, Gard. Dict. ed. 8, *P.* no. 2 (1768).  
*Philadelphus coronarius* 2. *duplex* Weston, Univ. Bot. **1**: 205 (1770).  
*Philadelphus coronarius nanus* Franz Schmidt, Oester. Allg. Baumz. **1**: 57, t. 60 (1792).  
*Philadelphus coronarius* γ. Schrader in Linnaea, **12**: 389 (1838).  
*Philadelphus coronarius* var. *fl. pleno* Loddiges Cat. ex Loudon, Arb. Brit. **2**: 951 (1838).  
*Philadelphus coronarius* var. *semiplenus* Hartwig, Ill. Genölbz. **258** (1892).
- P. coronarius** f. *deutziaeflorus* (Hartwig) Rehder in Jour. Arnold Arb. **1**: 201 (1920).  
*Philadelphus coronarius* var. *deutziaeflorus* plenus Hartwig, Ill. Genölbz. **258** (1892). — Schelle in Beissner et al., Handb. Laubh.-Ben. **128** (1903), nom. "(f.) *deutziaeflorus* pl."
- Philadelphus coronarius* var. *dianthiflorus* [hort. ex] Rehder in Bailey, Cycl. Am. Hort. **[3]**: 1298 (1901), nom. — Bean, Trees Shrubs Brit. Isl. **2**: 133 (1914).  
*Philadelphus coronarius* var. *multiflorus* plenus [hort. ex] Rehder in Bailey, Cycl. Am. Hort. **[3]**: 1298 (1901), nom.
- P. coronarius** f. *primulaeflorus* [Carr.] Nicholson, Ill. Dict. Gard. **3**: 94, fig. 106 (1887) "(f.)"  
*Philadelphus primulaeflorus* Carrière in Rev. Hort. **1870**: 305, fig. 47 (1871). — T. M[oore] in Flor. & Pomol. **1873**: 181, fig. (1873).  
*Philadelphus coronarius* var. *primulaeflorus* plenus Hartwig, Ill. Genölbz. **258** (1892). — Schelle in Beissner et al., Handb. Laubh.-Ben. **128** (1903) "(f.) *primuliflorus* pl."
- Philadelphus coronarius* var. *rosaeiflorus* plenus hort. ex Hartwig, l. c. (1892). — Schelle in Beissner et al., l. c. **128** (1903) "(f.) *rosiflorus* pl." nom.
- P. coronarius** f. *salicifolius* [K. Koch] Voss, Vilmor. Blumengärt. **1**: 290 (1894).  
*Philadelphus salicifolius* K. Koch, Dendr. **1**: 337 (1869).  
*Philadelphus coronarius* var. *salicifolius* Jäger, Ziergeh. ed. 2, **236** (1884). — Dippel, Handb. Laubh. **3**: 337 (1893).
- P. coronarius** f. *pumilus* (West.), grad. nov.  
*Philadelphus coronarius* 4. *pumilus* Weston, Univ. Bot. **1**: 205 (1770).  
*Philadelphus coronarius* β. *nanus* sensu De Candolle, Prodr. **3**: 205 (1828), p. p. — Schrader in Linnaea, **12**: 390 (1838) "γ." — Voss, Vilmor. Blumengärt. **1**: 290 (1894) "f." Non *P. n.* Miller (1768).
- P. caucasicus** Koehne in Gartenfl. **45**: 619 (1896). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 220 (1939).
- P. Zeyheri** [*P. coronarius* × *inodorus* vel *grandiflorus*] Schrader ex De Candolle, Prodr. **3**: 205 (1828). — Schrader in Linnaea, **12**: 390 (1838).  
*Philadelphus coronarius* var. *Zeyheri* Hartwig & Rümpler, Bäume Sträuch. **391** (1875).

*Philadelphus* (continued)

**P. Zeyheri** var. **Kochianus** (Koehne) Rehder in Jour. Arnold Arb. 1: 201 (1920).

*Philadelphus Kochianus* Koehne, Deutsche Dendr. 183 (1893).

**P. Zeyheri** var. **umbellatus** (Koehne) Rehder, l. c. (1920).

*Philadelphus umbellatus* Koehne, l. c. (1893).

**P. floribundus** [*P. coronarius* × *Gordonianus*?] Schrader ex De Candolle, Prodr. 3: 205 (1828).—Schrader in Linnaea, 12: 388 (1838).—Rydborg in N. Am. Fl. 22: 174 (1905) “*P. grandiflorus* × *coronarius*”.—Non Usteri (1790).

**P. Falconeri** [*P. coronarius* × ?*laxus*] Sargent in Gard. & For. 8: 494, fig. 68 (1895).—Schneider, Ill. Handb. Laubh. 1: 371, fig. 237v, 238d (1905).

Ser. 4. SPECIOSI (Koehne) Rehder, Man. Cult. Trees Shrubs, ed. 2, 272 (1940).

*Philadelphus* sect. *Poecilostigma* subsect. *Speciosi* Koehne in Gartenfl. 45: 451 (1896).

**P. laxus** Schrader ex De Candolle, Prodr. 3: 206 (1828).—Schrader in Linnaea, 12: 398 (1838).—Koehne in Mitt. Deutsch. Dendr. Ges. 1904(13): 79 [1905].—Rydborg in N. Am. Fl. 22: 174 (1905).

*Philadelphus grandiflorus* β. *laxus* Torrey & Gray, Fl. N. Am. 1: 595 (1840).

*Philadelphus humilis* Hort. ex Schrader in Linnaea, 12: 398 (1838), pro syn.

*Philadelphus speciosus* Schrader ex De Candolle, Prodr. 3: 206 (1828).—Schrader in Linnaea, 12: 397 (1838).

*Philadelphus Satsumi* Lindley in Paxton's Fl. Gard. 2: 103, fig. 188 (1851–2).

*Philadelphus undulatus* Kirchner in Petzold & Kirchner, Arb. Muscav. 205 (1864).

**P. laxus** var. **strigosus** (Beadle) Rehder in Jour. Arnold Arb. 1: 198 (1920).

*Philadelphus inodorus strigosus* Beadle, Biltmore Bot. Stud. 1: 159 (1902).

*Philadelphus strigosus* Rydborg in N. Am. Fl. 22: 168 (1905).

**P. inodorus** Linnaeus, Sp. Pl. 470 (1753).—De Candolle, Prodr. 3: 206 (1828).—Rydborg in N. Am. Fl. 22: 206 (1905).

*Syringa inodora* Moench, Meth. Pl. 678 (1794).

**P. grandiflorus** Willdenow, Enum. Pl. Hort. Berol. 511 (1809).—Rydborg in N. Am. Fl. 22: 168 (1905).

*Philadelphus inodorus* β. *grandiflorus* A. Wood, Am. Bot. Flor. 116 [1870].

*Philadelphus gloriosus* Beadle, Biltmore Bot. Stud. 1: 159 (1902).—Koehne in Mitt. Deutsch. Dendr. Ges. 1904(13): 80 [1905].—Rydborg in N. Am. Fl. 22: 169 (1905).

**P. splendens** (*P. ? Gordonianus* × *grandiflorus*) Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 185 [1913].

**P. magnificus** [*P. grandiflorus* × *pubescens*] Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 52 [1907?] “*P. inodorus* × *latifolius*”.—Rehder, Man. Cult. Trees Shrubs, 278 (1927).

*Philadelphus speciosus* sensu Lindley in Bot. Reg. 23: t. 2003 (1837), non Schrader ex De Candolle (1828).

**P. floridus** Beadle, Biltmore Bot. Stud. 1: 160 (1902).—Rehder in Jour. Arnold Arb. 1: 198 (1920).

*Philadelphus speciosus* sensu Rydborg in N. Am. Fl. 22: 169 (1905); non Schrader ex De Candolle (1828).

**P. floridus** var. **Faxonii** Rehder in Jour. Arnold Arb. 1: 199 (1920).

Ser. 5. MICROPHYLLI (Koehne) Rehder, Man. Cult. Trees Shrubs, ed. 2, 273 (1940).

*Philadelphus* sect. *Poecilostigma* subsect. *Microphylli* Koehne in Gartenfl. 45: 450 (1896).

**P. microphyllus** Gray in Mem. Am. Acad. Arts Sci., n. ser., 4: 54 (1849).—Rydborg in N. Am. Fl. 22: 169 (1905).

*Philadelphus microphyllus* var. *typicus* Koehne ex Schneider, Ill. Handb. Laubh. 1: 365 (1905).—C. L. Hitchcock in Madroño, 7: 49 (1943) “subsp.”

**P. latvicus** (*P. microphyllus* × *pubescens*) Pochlaks & Zamelis in Act. Hort. Bot. Univ. Latv. 11–12: 230, t. 2 (1939).

**P. argyrocalyx** Wootton in Bull. Torrey Bot. Club, 25: 452 (1898).—Rydborg in N. Am. Fl. 22: 169 (1905).

*Philadelphus serpyllifolius* var. Gray, Pl. Wright. 2: 64 (in Smithson. Inst. Contrib. Knowl. 5,6) (1853).

*Philadelphus ellipticus* Rydborg in op. cit. 172 (1905).

*Philadelphus microphyllus* subsp. *argyrocalyx* C. L. Hitchcock in Madroño, 7: 55 (1943).

**P. serpyllifolius** Gray, Pl. Wright. 1: 77 (in Smithson. Inst. Contrib. Knowl. 3,5) (1852).—C. L. Hitchcock in Madroño, 7: 55 (1943).

**P. Lemoinei** (*P. coronarius* × *microphyllus*) Lemoine, Cat. ? (1887); 109:24 (1888), sum descr. “*P. hyb. Lemoinei*”—Sargent in Gard. & For. 2: 616 (1889).

**P. polyanthus** (*P. insignis* × *Lemoinei*) Rehder in Jour. Arnold Arb. 1: 201 (1920).

*Philadelphus Lemoinei* (f.) *multiflorus* Schelle in Beissner et al., Handb. Laubh.-Ben. 129 (1903).

**P. cymosus** (*P. ? grandiflorus* × *Lemoinei*) Rehder in Jour. Arnold Arb. 1: 201 (1920).

**P. virginialis** (*P. Lemoinei* × ? *nivalis* f. *plenus*) Rehder in Jour. Arnold Arb. 1: 202 (1920).

**P. purpureo-maculatus** (*P. Coulteri* × *Lemoinei*) Lemoine, Cat. 152: viii (1902).—Rehder in Jour. Arnold Arb. 1: 203 (1920).

*Philadelphus phantasia* A. H. Moore in Bailey, Stand. Cycl. Hort. 5: 2582 (1916), nom.

*Philadelphus Lemoinei* var. *maculatus* Anon. in Gard. Chron. ser. 3, 36: 14 (1904).

**P. Burkwoodii** [*P. purpureo-maculatus* × *virginialis*] Burkwood & Skipworth, Flow. Shrubs [Cat.] 8, fig. (1929) “Etoile rose × Virginal”.—Anon. in Gard. Chron. ser. 3, 89: 438 (1931).

?**P. maculiflorus** Koehne ex Schneider, Ill. Handb. Laubh. 1: 363 (1905); 2: 929 (1912).

Ser. 6. GEMMATI (Koehne) Rehder, Man. Cult. Trees Shrubs, ed. 2, 275 (1940).

*Philadelphus* sect. *Poecilostigma* subsect. *Gemmati* Koehne in Gartenfl. 45: 450 (1896).

**P. hirsutus** Nuttall, Gen. Am. Pl. 1: 301 (1817).—Rydborg in N. Am. Fl. 22: 169 (1905).

*Philadelphus hirsutus* β. *gracilis* (Schrader) De Candolle, Prodr. 3: 206 (1828).

- Philadelphus gracilis* hort. ex De Candolle, l. c. (1828), pro syn.  
*Philadelphus trinervius* Schrader in Linnaea, **12**: 399 (1838).  
*Philadelphus trinervius*  $\beta$ . *gracilis* Schrader, l. c. (1838).  
*Philadelphus pubescens* Bosc ex Torrey & Gray, Fl. N. Am. **1**: 595 (1840), pro syn.; non Loiseleur (1820).  
*Philadelphus Godohokeri* Kirchner in Petzold & Kirchner, Arb. Muscav. 202 (1864).  
*Philadelphus inodorus*  $\gamma$ . *hirsutus* A. Wood, Am. Bot. Flor. 116 [1870].
- P. Coulteri** S. Watson in Proc. Am. Acad. Arts Sci. **22**: 472 (1887). — Rydberg in N. Am. Fl. **22**: 170 (1905).  
*Philadelphus mexicanus Coulteri* Burbidge in Gard. Chron. ser. 3, **34**: 218 (1903).
- P. mexicanus** Schlechtendal in Linnaea, **13**: 418 (1839). — Rydberg in N. Am. Fl. **22**: 170 (1905).
- JAMESIA** Torrey & Gray, Fl. N. Am. **1**: 593 (1840). — Bentham & Hooker f., Gen. Pl. **1**: 643 (1865). — Non Rafinesque (1832). — NOM. CONSERV.; cf. Intern. Rules Bot. Nomencl. ed. 3, 134, no. 3209 (1935); Kew Bull. **1940**: 103 (1940).  
*Edwinia* Heller in Bull. Torrey Bot. Club, **24**: 477 (1897).  
 TYPUS: *J. americana* Torr. & Gr.
- J. americana** Torrey & Gray Fl. N. Am. **1**: 593 (1840). — Schneider, Ill. Handb. Laubh. **1**: 375, fig. 239, 240a-f (1906).  
*Edwinia americana* Heller in Bull. Torrey Bot. Club, **24**: 477 (1897). — Small in N. Am. Fl. **22**: 175 (1905).
- J. americana** f. *rosea* (Schneid.), grad. nov.  
*Jamesia americana* var. *rosea* Schneider, Ill. Handb. Laubh. **1**: 375 (1905), nom. — Purpus ex Rehder in Bailey, Stand. Cycl. Hort. **3**: 1716 (1915).
- FENDLERIA** Engelm. & Gray, Pl. Wright. **1**: 77 (Smithson. Inst. Contr. Knowl. **3,5**) (1852). — Bentham & Hooker f., Gen. Pl. **1**: 643 (1865).  
*Fendlera* sect. *Eufendlera* Greene in Bull. Torrey Bot. Club, **8**: 25 (1881).  
 TYPUS: *F. rupicola* Gray.
- F. rupicola** Gray, Pl. Wright, **1**: 77, t. 5 (1852), exclud. fig. 2, 6, 7. — Small in N. Am. Fl. **22**: 177 (1905).  
*Fendlera rupicola* var. *a. Lindheimeri* Gray, l. c. (1852).
- F. rupicola** var. *falcata* (Thornber) Rehder in Jour. Arnold Arb. **1**: 204 (1920).  
*Fendlera falcata* Thornber in Contrib. U. S. Nat. Herb. **16**: 129 (1913).
- F. Wrightii** (Gray) Heller in Bull. Torrey Bot. Club, **24**: 537 (1897). — Small in N. Am. Fl. **22**: 177 (1905). — Rehder in Jour. Arnold Arb. **1**: 204 (1920).  
*Fendlera rupicola* var.  $\beta$ . *Wrightii* Gray, Pl. Wright. **1**: 77, t. 5, fig. 2, 6, 7 (Smithson. Inst. Contr. Knowl. **3,5**) (1852).  
*Edwinia Wrightii* Heller in Bull. Torrey Bot. Club, **24**: 477 (1897).  
*Fendlera tomentella* Thornber in Contrib. U. S. Nat. Herb. **16**: 129 (1913).  
*Fendlera rupicola* var. *tomentella* (Thornb.) Peebles in Jour. Washington Acad. Sci. **29**: 480 (1939).
- DEUTZIA** Thunberg, Diss. Nov. Gen. **1**: 19 (1781); Fl. Jap. 10 (1784). — Bentham & Hooker f., Gen. Pl. **1**: 642 (1865). — Schneider in Mitt. Deutsch. Dendr. Ges. **1904**(13): 172–188 [1905]; Ill. Handb. Laubh. **1**: 376–382, fig. 242–244 (1905). — Rehder in Sargent, Pl. Wilson. **1**: 14–24 (1911).  
 TYPUS: *D. scabra* Thunb.
- Sect. I. EUDEUTZIA Engler in Nat. Pflanzenfam. III. 2a: 72 (1890), exclud. spec. nonnull. — Schneider in Mitt. Deutsch. Dendr. Ges. **1904**(13): 176 [1905].
- Ser. 1. LATISEPALAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 277 (1940).  
*Deutzia* sect. *Eudeutzia* subsect. *Latisepalae* Schneider in Mitt. Deutsch. Dendr. Ges. **1904**(13): 176 (1905), exclud. spec. nonnull.  
*Deutzia* sect. *Eudeutzia* subsect. *Scabrae* Rehder in Sargent, Pl. Wilson. **1**: 17 (1911). — Nakai, Fl. Sylv. Kor. **15**: 56 (1926).
- D. gracilis** Siebold & Zuccarini, Fl. Jap. **1**: 22, t. 8 (1835).  
*Deutzia gracilis* var. *typica* Schneider in Mitt. Deutsch. Dendr. Ges. **1904** (13): 177 [1905].
- D. gracilis** f. *aurea* Schelle ex Schneider, l. c. (1905).  
*Deutzia gracilis* (f.) *aurea* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **131** (1903), nom. — Bean, Trees Shrubs Brit. Isl. **1**: 482 (1914) "var."
- D. candelabrum** (*D. gracilis*  $\times$  *Sieboldiana*) (Lemoine) Rehder in Möller's Deutsch. Gärtn.-Zeit. **28**: 26 (1913).  
*Deutzia gracilis candelabrum* Lemoine, Cat. **167**: viii (1907); **170**: 21, t. (1908).
- D. candelabrum** f. *fastuosa* (Lemoine), grad. nov.  
*Deutzia gracilis fastuosa* Lemoine, Cat. **164**: vii (1906).  
*Deutzia candelabrum* var. *fastuosa* (Lemoine) Rehder in Möller's Deutsch. Gärtn.-Zeit. **28**: 26 (1913).
- D. candelabrum** f. *erecta* (Lemoine), grad. nov.  
*Deutzia gracilis erecta* Lemoine, Cat. **170**: vii (1908).  
*Deutzia candelabrum* var. *erecta* Rehder, l. c. (1913).
- D. rosea** (*D. gracilis*  $\times$  *purpurascens*) (Lemoine) Rehder in Bailey, Cycl. Am. Hort. **[1]**: 474 (1900).  
*Deutzia gracilis rosea* Lemoine, Cat. **140**: ix (1898).
- D. rosea** f. *campanulata* (Lemoine), grad. nov.  
*Deutzia gracilis campanulata* Lemoine, Cat. **143**: ix (1899).  
*Deutzia rosea* var. *campanulata* Rehder in Bailey, Cycl. Am. Hort. **[1]**: 474 (1900).
- D. rosea** f. *venusta* (Lemoine), grad. nov.  
*Deutzia gracilis venusta* Lemoine, Cat. **140**: ix (1898).  
*Deutzia rosea* var. *venusta* Rehder, l. c. (1900).
- D. rosea** f. *multiflora* (Lemoine), grad. nov.  
*Deutzia gracilis multiflora* Lemoine, Cat. **155**: vii (1903).  
*Deutzia rosea* var. *multiflora* Rehder in Möller's Deutsch. Gärtn.-Zeit. **28**: 26 (1913).
- D. rosea** f. *carminea* (Lemoine), grad. nov.  
*Deutzia gracilis carminea* Lemoine, Cat. **146**: x (1900).  
*Deutzia rosea* var. *carminea* Rehder, l. c. (1913).
- D. rosea** f. *eximia* (Lemoine), grad. nov.  
*Deutzia gracilis eximia* Lemoine, Cat. **149**: viii (1901).  
*Deutzia rosea* var. *eximia* Rehder, l. c. (1913).
- D. rosea** f. *floribunda* (Lemoine) Rehder, l. c. (1913).  
*Deutzia discolor floribunda* Lemoine, Cat. **149**: viii (1901).  
*Deutzia rosea* var. *floribunda* Rehder, l. c. (1913).
- D. rosea** f. *grandiflora* (Lemoine), grad. nov.  
*Deutzia discolor grandiflora* Lemoine, Cat. **143**: ix (1899).

**Deutzia rosea f. grandiflora** (continued)

*Deutzia rosea* var. *grandiflora* Rehder in Bailey, Cycl. Am. Hort. [1]: 474 (1900).

**D. carnea** (*D. rosea grandiflora* × *Sieboldiana*) (Lemoine) Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).  
*Deutzia discolor carnea* Lemoine, Cat. 167: vii (1907).

**D. carnea** var. *stellata* (Lemoine) Rehder, l. c. (1913).  
*Deutzia discolor stellata* Lemoine, Cat. 164: viii (1906).  
*Deutzia carnea* var. *stellata* Rehder, l. c. (1913).

**D. carnea f. densiflora** (Lemoine), grad. nov.  
*Deutzia discolor densiflora* Lemoine, Cat. 170: vii, t. (1908).  
*Deutzia carnea* var. *densiflora* Rehder, l. c. (1913).

**D. carnea f. lactea** (Lemoine), grad. nov.  
*Deutzia discolor lactea* Lemoine, Cat. 167: vii (1907).  
*Deutzia carnea* var. *lactea* Rehder, l. c. (1913).

**D. scabra** Thunberg, Fl. Jap. 185, t. 24 (1784).—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 22, t. 2, fig. 1–18 (Rev. Hydrang. As. Or.) (1867).—Rehder in Sargent, Pl. Wilson. 1: 6 (1911).

*Deutzia crenata* Siebold & Zuccarini, Fl. Jap. 1: 19, t. 6 (1835).—Maximowicz in op. cit. fig. 27–31 (1867).—Suringar in Mitt. Deutsch. Dendr. Ges. 1931(43): 211, 6 fig. (1931).

*Deutzia Fortunei* Carrière in Rev. Hort. 1866: 338 (1866).  
*Deutzia crenata a. Sieboldiana* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 22 (Rev. Hydrang. As. Or.) (1867).

*Deutzia scabra* var. *Thunbergiana* Maximowicz in op. cit. 45 (1867), nom. provis.

*Deutzia scabra* var. *crenata* Maximowicz in op. cit. 46 (1867), nom. provis.—Voss in Gartenfl. 45: 353 (1896) "f."—Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 178 (1905) "var."

*Deutzia crenata Fortunei* Lavallée, Arb. Segrez. 116 (1877).—Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 300 (1902).

*Deutzia scabra Fortunei* hort. ex Zabel, Syst. Verzeich. Münden, 20 (1878), nom.—Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 179 [1905].

*Deutzia scabra mitis* hort. ex Zabel, l. c. (1878), nom.

*Deutzia crenata scabra* Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 300 (1902).

*Deutzia dentata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 130 (1903), pro syn.

*Deutzia scabra* var. *typica* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 178 [1905].

*Deutzia mitis* hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 993 (1914), pro syn.

**D. scabra f. angustifolia** (Reg.) Voss in Gartenfl. 45: 353 (1896).

*Deutzia crenata* β. *angustifolia* Regel in Gartenfl. 5: 364 (1856); in Ind. Sem. Hort. Petrop. 1856: 38 [1857]; in Gartenfl. 9: 158 (1860) "var."

**D. scabra f. marmorata** (Rehd.), grad. nov.

*Deutzia scabra* var. *marmorata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 473 (1900).

*Deutzia scabra f. aureo-variegata* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 179 [1905].

**D. scabra f. albo-punctata** Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 179 (1905).

*Deutzia crenata* var. *punctata* [Nicholson in] Kew Hand-list Trees Shrubs, 1: 233 (1894), nom.

*Deutzia crenata fol. albo-punctatis* hort. ex Lemoine in Jour. Soc. Hort. France, sér. 4, 3: 300 (1902).

*Deutzia scabra* var. *punctata* Rehder in Bailey, Stand. Cycl. Hort. 2: 993 (1914, July).—Bean, Trees Shrubs Brit. Isl. 1: 486 (1914, Nov.).

**D. scabra f. Watereri** (Lemoine), grad. nov.

*Deutzia crenata fl. puniceo* Lavallée, Arb. Segrez. 116 (1877), nom.—Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 299 (1902).

*Deutzia crenata Watereri* Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 300 (1902).

*Deutzia hybrida Watereri* Hort. ex Lemoine, l. c. (1902), pro syn.

*Deutzia crenata* (f.) *punicea* Schelle in Beissner et al., Handb. Laubh.-Ben. 131 (1903), nom.

*Deutzia scabra f. punicea* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 178 [1905].

*Deutzia scabra* var. *Watereri* Rehder in Bailey, Stand. Cycl. Hort. 2: 993 (1914).

**D. scabra f. plena** [Maxim.] Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 178 [1905].

*Deutzia crenata flore pleno* Th. Moore in Florist & Pomol. 1863: 153 (1863).—Lemoine in Ill. Hort. 11: t. 389 (1864).

*Deutzia crenata γ. plena* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 22 (Rev. Hydrang. As. Or.) (1867).

*Deutzia crenata fl. purpureo pleno* Lavallée, Arb. Segrez. 116 (1877).

*Deutzia crenata* var. *purpurea plena* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 140 (1884).

*Deutzia crenata* var. *purpurata fl. pleno* Hartwig, Ill. Gehölzb. 152 (1892).

*Deutzia crenata f. rosea plena* Voss, Vilmor. Blumengärt. 1: 289 [1894].

*Deutzia crenata f. purpurata plena* Voss, l. c. [1894].

**D. scabra f. candidissima** [Bonard] Rehder in Bailey, Cycl. Am. Hort. [1]: 473 (1900) "(f.)"; in Bailey, Stand. Cycl. Hort. 2: 993 (1914) "var."

*Deutzia crenata candidissima plena* Fröbel ex Bonard in Hort. Franc. 1869: 347 (1869).—Carrière in Rev. Hort. 1870: 95 (1870).

*Deutzia crenata flore albo pleno* Van Houtte in Fl. des Serr. 18: 47, t. 1850 (1869).

*Deutzia crenata Wellsii* Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 300 (1902).

*Deutzia hybrida Wellsii* Veitch ex Lemoine, l. c. (1902), pro syn.

*Deutzia scabra f. albo-plena* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 179 [1905].

*Deutzia scabra* var. *Wellsii* Bean, Trees Shrubs Brit. Isl. 1: 486 (1914).

**D. hypoleuca** Maximowicz, Diagn. Pl. Nov. As. 8: 36 (1893).—Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 179 [1905].

*Deutzia discolor* Maximowicz in Bull. Acad. Sci. St. Pétersb. 32: 487 (in Mém. Biol. 12: 727) (1888); non Hemsley (1887).

*Deutzia Maximowicziana* Makino in Bot. Mag. Tokyo, 35: 88 (1921).

**D. Schneideriana** Rehder in Sargent, Pl. Wilson. 1: 7 (1911).

*Deutzia staminea* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 277 (1888), non Wallich (1831).

**D. Schneideriana** var. *laxiflora* Rehder, l. c. (1911).



- D. ningpoensis** Rehder in op. cit. 17 (1911).
- D. Chunii** Hu in Jour. Arnold Arb. 6: 140 (1925).
- D. Sieboldiana** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10: 16: 26, t. 2, fig. 19–26 (Rev. Hydrang. As. Or.) (1867).  
*Deutzia scabra* sensu Siebold & Zuccarini, Fl. Jap. 1: 20, t. 7, (1835), exclud. fig. iv; non Thunberg (1785).  
*Deutzia Sieboldii* Koernicke in Gartenfl. 16: 74 (1867).  
*Deutzia Sieboldiana* var. *a. typica* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 177 [1905].
- D. Sieboldiana** var. **Dippeliana** Schneider in op. cit. 178 [1905].
- D. magnifica** (*D. scabra* × *Vilmorinae*) (Lemoine) Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).  
*Deutzia crenata magnifica* Lemoine, Cat. 173: vi, t. (1909).
- D. magnifica** f. **formosa** (Lemoine), grad. nov.  
*Deutzia crenata formosa* Lemoine, Cat. 182: 4 (1912).  
*Deutzia magnifica* var. *formosa* Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).
- D. magnifica** f. **latiflora** (Lemoine), grad. nov.  
*Deutzia crenata latiflora* Lemoine, Cat. 176: vii (1910).  
*Deutzia magnifica* var. *latiflora* Rehder, l. c. (1913).
- D. magnifica** f. **superba** (Lemoine), grad. nov.  
*Deutzia crenata superba* Lemoine, Cat. 182: 28 (1912), an prius?  
*Deutzia magnifica* var. *superba* Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).
- D. magnifica** f. **eburnea** (Lemoine), grad. nov.  
*Deutzia crenata eburnea* Lemoine, Cat. 179: v (1911).  
*Deutzia magnifica* var. *eburnea* Rehder, l. c. (1913).
- D. magnifica** f. **erecta** (Lemoine), grad. nov.  
*Deutzia crenata erecta* Lemoine, Cat. 182: 4 (1912); 185: 30, t. (1913).  
*Deutzia magnifica* var. *erecta* Rehder, l. c. (1913).
- Ser. 2. CYMOSAE Rehder, Man. Cult. Trees Shrubs, ed. 2, 279 (1940).  
*Deutzia* sect. *Eudeutzia* subsect. *Latisepalae* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 176 [1905], p. p.  
*Deutzia* sect. *Eudeutzia* subsect. *Cymosae* Rehder in Sargent, Pl. Wilson. 1: 18 (1911).
- D. setchuenensis** Franchet in Jour. de Bot. 10: 282 (1896). — Rehder in Sargent, Pl. Wilson. 1: 18 (1911).  
*Deutzia scabra* var. *cymis paucifloris* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 277 (1887).  
*Deutzia corymbiflora erecta* Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 308 (1902).
- D. setchuenensis** var. **corymbiflora** (Lemoine) Rehder in Sargent, Pl. Wilson. 1: 9 (1911).  
*Deutzia corymbosa* André in Rev. Hort. 1897: 466, fig. 150–151 (1897), non Royle (1839).  
*Deutzia corymbiflora* Lemoine in Gard. Chron. ser. 3, 23: 121, 24: 265, fig. 76 (1898); in Rev. Hort. 1898: 401, fig. 138 (1898). — Schneider, Ill. Handb. Laubh. 1: 380, fig. 242r (1905).  
*Deutzia setchuenensis* sensu Hutchinson in Bot. Mag. 135: t. 825 (1909), non Franchet (1896).
- D. Monbeigii** W. W. Smith in Notes Bot. Gard. Edinb. 11: 205 (1919).
- Ser. 3. STENOSEPALAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 280 (1940).
- Deutzia* sect. *Eudeutzia* subsect. *Stenosepalae* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 181 [1905].
- D. purpurascens** (L. Henry) Rehder in Sargent, Pl. Wilson. 1: 19 (1911).  
*Deutzia discolor* var. *purpurascens* Franchet ex L. Henry in Jardin, 1894: 147, fig. 64 (1894). — Hooker f. in Bot. Mag. 126: t. 7708 (1900). — Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 301 (1902).
- D. elegantissima** (*D. purpurascens* × *Sieboldiana*) (Lemoine) Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).  
*Deutzia discolor elegantissima* Lemoine, Cat. 173: vi, t. (1909).
- D. elegantissima** f. **fasciculata** (Lemoine), grad. nov.  
*Deutzia discolor fasciculata* Lemoine, Cat. 179: 5 (1911).  
*Deutzia elegantissima* var. *fasciculata* Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).
- D. elegantissima** f. **arcuata** (Lemoine), grad. nov.  
*Deutzia discolor arcuata* Lemoine, Cat. 170: vii, t. (1908).  
*Deutzia elegantissima* var. *arcuata* Rehder, l. c. (1913).
- D. glomeruliflora** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 236 (Pl. David. 2: 54 1888) (1886). — Rehder in Sargent, Pl. Wilson. 1: 10 (1911).
- D. Rehderiana** Schneider in Bot. Gaz. 63: 398 (1917). — Handel-Mazzetti, Symb. Sin. 7: 439 (1931).  
*Deutzia dumicola* W. W. Smith in Notes Bot. Gard. Edinb. 11: 204 (1919).
- D. longifolia** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 235 (Pl. David. 2: 53 1888) (1886). — Rehder in Sargent, Pl. Wilson. 1: 13 (1911).
- D. longifolia** f. **Veitchii** (Veitch), grad. nov.  
*Deutzia Veitchii* Veitch in Gard. Chron. ser. 3, 51: Suppl. 1 (May 25): xvi; 2 (June 1): fig. 11 (1912).  
*Deutzia longifolia Veitchii* Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 16, fig. 4 (1913); in Bailey, Stand. Cycl. Hort. 2: 994 (1914) "var."
- D. longifolia** f. **elegans** Rehder in Jour. Arnold Arb. 1: 209 (1920).
- D. longifolia** var. **Farreri** Airy-Shaw in Bot. Mag. 161: t. 9532 (1938).
- D. hybrida** (*D. discolor* × *longifolia*) Lemoine, Cat. 199: 14 (1925) "*D. hybrida* Mont-Rose", non *D. hybrida* Lemoinei (1896), nec *D. hybrida* Wellsii Lemoine (1902). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 281 (1940).
- D. albida** Batalin in Act. Hort. Petrop. 13: 97 (1893). — Rehder in Sargent, Pl. Wilson. 1: 21 (1911).  
*Deutzia discolor* var. *albida* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 183 [1905].
- D. discolor** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 275 (1887). — Rehder in Sargent, Pl. Wilson. 1: 12 (1911).  
*Deutzia discolor* var. *typica* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 183 [1905].
- D. discolor** f. **major** (Veitch), grad. nov.  
*Deutzia discolor* var. *major* Veitch, Novelties, 1905: 2, fig. (1905). — Penninck in Rev. Hort. Belge, 32: 174, t. (1906).
- D. reflexa** Duthie in Gard. Chron. ser. 3, 40: 238 (1906); in Repert. Sp. Nov. Reg. Veg. 5: 3 (1908).

*Deutzia* (continued)

**D. globosa** Duthie, l. c. (1906); l. c. (1908).

**D. staminea** R. Brown ex Wallich, Num. List, no. 3651 [1831], nom.; Pl. As. Rar. 2: 82, t. 191 (1831).—Clarke in Hooker f., Fl. Brit. Ind. 2: 407 (1878).

*Deutzia staminea* var. *typica* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 181 [1905].

**D. staminea** var. **Brunoniana** (Wall.) Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 83 (1858).

*Deutzia Brunoniana* Wallich, Num. List, no. 3650 [1831], nom.—Regel in Ind. Sem. Hort. Petrop. 1858: 50 (1858).

*Deutzia corymbosa* sensu Lindley in Bot. Reg. 25 (Misc. Not.): 37 (1839); 26: t. 5 (1840), non R. Brown ex Royle (1839).

?*Deutzia canescens* Hort. ex Schneider, Ill. Handb. Laubh. 1: 380 (1905), pro syn.; non Siebold ex Steudel (1840).

**D. Vilmorinae** Lemoine, Cat. 158: vii, fig. (1904).—Vilmorin & Bois, Frutic. Vilmor. 126, fig. (1904); in Repert. Sp. Nov. Reg. Veg. 3: 230, fig. 5 (1906).—Rehder in Sargent, Pl. Wilson. 1: 20 (1911).

**D. excellens** (*D. rosea grandiflora* × *Vilmorinae*) (Lemoine) Rehder in Möller's Deutsch. Gärt.-Zeit. 28: 26 (1913).

*Deutzia discolor excellens* Lemoine, Cat. 176: vi (1910).

Ser. 4. GRANDIFLORAE (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 282 (1940).

*Deutzia* sect. *Eudeutzia* subsect. *Grandiflorae* Rehder in Sargent, Pl. Wilson. 1: 21 (1911).

**D. grandiflora** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 104 (Enum. Pl. Chin. Bor. 1833) (1835).—Rehder in Sargent, Pl. Wilson. 1: 21 (1911).

*Deutzia Baroniana* var. *insignis* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 282 (1910).

Ser. 5. COREANAE (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 282 (1940).

*Deutzia* sect. *Eudeutzia* subsect. *Coreanae* Rehder in Sargent, Pl. Wilson. 1: 21 (1911).

**D. coreana** Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 283 (1910).—Nakai, Fl. Sylv. Kor. 15: 60, t. 16 (1926).

*Deutzia grandiflora* sensu Palibin in Act. Hort. Petrop. 17: 91 (Consp. Fl. Kor. 1) (1898), non Bunge (1833).

Sect. MESODEUTZIA Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 184 [1905].

**D. mollis** Duthie in Gard. Chron. ser. 3, 40: 238 (1906).—Hu & Chun, Icon. Pl. Sin. 5: 30, t. 230 (1937).

**D. Wilsoni** [*D. ?discolor* × *mollis*] Duthie in Bot. Mag. 132: t. 8083 (1906); in Repert. Sp. Nov. Reg. Veg. 4: 167 (1907).—Rehder in Jour. Arnold Arb. 1: 209 (1920) "*Wilsonii*".

*Deutzia discolor* × *mollis* Rehder in Sargent, Pl. Wilson. 1: 20 (1911).

**D. Lemoinei** (*D. gracilis* × *parviflora*) Lemoine ex Bois in Rev. Hort. 1894: 214 (1894).

*Deutzia angustifolia* (*D. parviflora* × *gracilis*) Dippel in Mitt. Deutsch. Dendr. Ges. 1894(3): 8 (1894).

*Deutzia hybrida Lemoinei* Lemoine, Cat. 133: 22 (1896).

*Deutzia Lemoinei* var. *typica* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 188 [1905].

**D. Lemoinei f. compacta** (Lemoine), grad. nov.

*Deutzia Lemoinei compacta* Lemoine, Cat. 137: ix (1897).—Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 188 [1905] "var."

**D. candida** (*D. Lemoinei* × *Sieboldiana*) (Lemoine) Rehder in Möller's Deutsch. Gärt.-Zeit. 22: 376, fig. 6 (1907); 28: 26 (1913).

*Deutzia discolor candida* Lemoine, Cat. 176: vi (1910).

**D. maliflora** (*D. Lemoinei* × *purpurascens*) Rehder in Gard. Mag. 27: 22 (1918).

*Deutzia myriantha* "Fleur de Pommier" Lemoine, Cat. 159: 8 (1905).

*Deutzia myriantha* Lemoine ex Rehder in Bailey, Stand. Cycl. Hort. 2: 994 (1914), p. p.

**D. kalmiaeflora** [*D. parviflora* × *purpurascens*] Lemoine, Cat. 146: x (1900).—Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 188 [1905].

**D. parviflora** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 105 (Enum. Pl. Chin. Bor. 1833) (1835).—Rehder in Sargent, Pl. Wilson. 1: 23 (1911).—Nakai, Fl. Sylv. Kor. 15: 65, t. 20 (1926).

*Deutzia parviflora a. Bungei* Franchet in Jour. de Bot. 10: 283 (1896).

*Deutzia parviflora β. mongolica* Franchet, l. c. (1896).

*Deutzia parviflora* var. *Musaei* Lemoine in Jour. Soc. Nat. Hort. France, sér. 4, 3: 303 (1902).—Rehder in Sargent, Pl. Wilson. 1: 23 (1911).

*Deutzia corymbosa* var. *parviflora* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 184 [1905].

**D. parviflora** var. **amurensis** Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 4: 63, t. 5, fig. 7–14 (Tent. Fl. Ussur.) (1861) "β."; in Gartenfl. 11: 278, t. 370, fig. 4–12 (1862).

*Deutzia parviflora* sensu Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 110 (Prim. Fl. Amur.) (1859), p. p., non Bunge (1833).

*Deutzia amurensis* (Reg.) Airy-Shaw in Kew Bull. 1934: 179 (1934).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 224, t. 13, fig. 2 (1939).

**D. parviflora** var. **ovatifolia** Rehder in Jour. Arnold Arb. 1: 210 (1920).

**D. myriantha** [*D. parviflora* × *setchuenensis*] Lemoine Cat. 158: vii (1904) "*D. corymbiflora* × *parviflora*".—Rehder in Bailey, Stand. Cycl. Hort. 2: 994 (1914), p. p.

**D. corymbosa** R. Brown ex Wallich, Num. List, no. 3652 (1830), nom.—R. Brown ex Royle, Ill. Bot. Himal. 216 [1835], t. 46, fig. 2 [1834].—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 32, t. 3, fig. 14–17 Rev. Hydrang. As. Or.) (1867).—Rehder in Sargent, Pl. Wilson. 1: 22 (1911).

*Deutzia parviflora* var. *corymbosa* Franchet in Jour. de Bot. 10: 283 (1896).

*Deutzia corymbosa* var. *typica* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 184 [1905].

**D. compacta** Craib in Kew Bull. 1913: 264 (1913).—Bean in Bot. Mag. 145: t. 8795 (1919).

**D. glabrata** Komarov in Act. Hort. Petrop. 22: 433 (Fl. Mansh. II.) (1903).—Rehder in Sargent, Pl. Wilson. 1: 24 (1911); in Jour. Arnold Arb. 12: 276 (1931).—Nakai, Fl. Sylv. Kor. 15: 63, t. 21 (1926).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 224 (1939).

- Deutzia glaberrima* Koehne in Bot. Jahrb. 34, Beibl. 75: 38 (1904).
- Deutzia Fauriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 283 (1910).
- Crataegus Pomasae* Léveillé in op. cit. 12: 189 (1913).
- D. hypoglaucia** Rehder in Sargent, Pl. Wilson. 1: 24 (1911).
- D. rubens** Rehder in op. cit. 13 (1911).—Airy-Shaw in Bot. Mag. 157: t. 9362 (1934).
- Deutzia parviflora* δ. *purpurascens* Franchet in Jour. de Bot. 10: 283 (1896).
- Deutzia corymbosa* var. *purpurascens* Schneider in Mitt. Deutsch. Dendr. Ges. 1904(13): 185 [1905].
- WHIPPLEA** Torrey in U. S. Rep. Explor. Surv. Railr. Mississippi Pacif. Oc. 4: 90, t. 7 (1856).—Bentham & Hooker f., Gen. Pl. 1: 644 (1865).
- Typus: *W. modesta* Torr.
- W. modesta** Torrey, l. c. (1856).—Small in N. Am. Fl. 22: 178 (1905).
- PLATYCRATER** Siebold & Zuccarini, Fl. Jap. 1: 62, t. 27 [1837].—Bentham & Hooker f., Gen. Pl. 1: 642 (1865).
- Typus: *P. arguta* Sieb. & Zucc.
- P. arguta** Siebold & Zuccarini, l. c. [1837].—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 5 (Rev. Hydrang. As. Or.) (1867).
- Platycrater arguta* var. *typica* Schneider, Ill. Handb. Laubh. 1: 382, fig. 245a-l (1905).
- Platycrater serrata* (Thunb.) Makino in Bot. Mag. Tokyo, 26: 387 (1912), non *Viburnum serratum* Thunb.
- P. arguta** var. *hortensis* Maximowicz, l. c. (1867) "β."  
*Platycrater arguta* sensu Regel in Gartenfl. 15: 229, t. 516 (1866), non Siebold & Zuccarini (1835).
- HYDRANGAEA** Linnaeus, Sp. Pl. 397 (1753); Gen. Pl. ed. 5, 180, no. 492 (1754).—Bentham & Hooker f., Gen. Pl. 1: 640 (1865).—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 6-18 (Rev. Hydrang. As. Or.) (1867).—Nakai, Fl. Sylv. Kor. 15: 66 (1926).
- Hortensia* Commerson ex Jussieu, Gen. Pl. 214 (1789).—Ventenat, Tab. Reg. Veg. 3: 280 (1799).
- LECTOTYPUS: *H. arborescens* L.
- Sect. 1. EUHYDRANGAEA Maximowicz in Mém. Acad. Sci. sér. 7, 10, 16: 6 (Rev. Hydrang. As. Or.) (1867).—(1867).—Schneider, Ill. Handb. Laubh. 1: 384 (1905) "subgen."
- Hydrangea* subgen. *Hortensiella* Koehne, Deutsche Dendr. 187 (1893), p. p.
- Ser. 1. AMERICANAE (Maxim.) Rehder in Man. Cult. Trees Shrubs, ed. 2, 286 (1940).
- Hydrangea* sect. I. *Euhdrangea* ser. 1. *Petalanthae*, *Americanae* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 6\* (Rev. Hydrang. As. Or.) (1867).—Schneider, Ill. Handb. Laubh. 1: 384 (1905) "subgen. *E.* sect. *Americanae*."
- H. arborescens** Linnaeus, Sp. Pl. 397 (1753).—Small in N. Am. Fl. 22: 160 (1905).—St. John in Rhodora, 23: 203 (1922).
- Viburnum americanum* Miller, Gard. Dict. ed. 8, V. no. 8 (1768), p. p. quoad fol. et flor.
- Hydrangea frutescens* Marshall, Arbust. Am. 61 (1785).
- Hydrangea vulgaris* Michaux, Fl. Bor.-Am. 1: 268 (1803).
- Hydrangea viburnifolia* Salisbury, Prodr. Stirp. Chap. Allert. 284 (1796).
- Hydrangea cordata* Pursh, Fl. Am. Sept. 1: 309 (1816).—Seringe in De Candolle, Prodr. 4: 14 (1830).
- Hydrangea vulgaris* Michx. β. *cordata* (Pursh) Torrey in Ann. Lyc. Nat. Hist. New York, 2: 205 (1827).
- Hydrangea arborescens* a. *vulgaris* Seringe in De Candolle, Prodr. 4: 14 (1830).—Schneider, Ill. Handb. Laubh. 1: 387 (1905) "f."
- Hydrangea vulgaris* var. *carnea* Rafinesque, New Fl. N. Am. 3: 77 [1838].
- Hydrangea acuta* Rafinesque, l. c. [1838].
- Hydrangea glauca* Rafinesque, l. c. [1838].
- Hydrangea rotundifolia* Rafinesque, op. cit. 78 [1838].
- Hydrangea heterophylla* Rafinesque, l. c. [1838].
- Hydrangea amplifolia* Rafinesque, l. c. [1838].
- Hydrangea arborescens* β. *cordata* (Pursh) Torrey & Gray, Fl. N. Am. 1: 591 (1840).
- Hydrangea arborescens* f. *typica* Schneider, Ill. Handb. Laubh. 1: 387 (1905); 2: 943 (1912) "var."
- H. arborescens** f. *grandiflora* Rehder in Mitt. Deutsch. Dendr. Ges. 1907(16): 71 [1908]; in Repert. Sp. Nov. Reg. Veg. 8: 343 (1910); in Möller's Deutsch. Gärtner-Zeit. 24: 4, fig. (1909) "var."
- Hydrangea arborescens alba grandiflora* E. G. Hill in Horticulture, 4: 53, fig. (1906).
- H. arborescens** var. *oblonga* Torrey & Gray, Fl. N. Am. 1: 591 (1840).—Schneider, Ill. Handb. Laubh. 1: 387 (1905) "f."; 2: 943 (1912) "var."
- Hydrangea arborescens* (f.) *laevigata* Cels. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 134 (1903), nom.
- H. arborescens** f. *sterilis* (Torr. & Gr.) Rehder in Mitt. Deutsch. Dendr. Ges. 1907(16): 71 [1908].—Schneider, Ill. Handb. Laubh. 2: 943 (1912).—St. John in Rhodora, 23: 208 (1921) "var. *oblonga* T. & G. f. s."
- Hydrangea arborescens* δ. *sterilis* Torrey & Gray, Fl. N. Am. 1: 591 (1840).
- H. arborescens** var. *australis* Harbison in Am. Midland Nat. 11: 255 (1928).
- Hydrangea arborescens* (f.) *cordata urticifolia* hort. ex Schelle in Beissner, et al., Handb. Laubh.-Ben. 134 (1903), nom.
- Hydrangea arborescens urticifolia* hort. ex Schelle, l. c. (1903), pro syn.
- H. canescens** [*H. arborescens* × *radiata*] Booth Cat. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 198 (1864).—K. Koch, Dendr. 1: 352 (1869) "*H. canescens* hort." [= *H. radiata* var.]
- ?*Hydrangea pubescens* Courtois in Sylloge Pl. Nov. Soc. Bot. Ratisb. 2: 45 (1828).
- Hydrangea radiata* var. *canescens* Nicholson in Kew Hand-List Trees Shrubs, ed. 2, 369 (1902).
- Hydrangea glauca* Hort. et *H. sinensis* Hort. ex Nicholson, l. c. (1902), pro syn.
- Hydrangea arborescens* var. *canescens* Nicholson ex Bean, Trees Shrubs Brit. Isl. 1: 625 (1914).
- Hydrangea arborescens* β. [*cordata*] × *radiata*? Koehne, Deutsche Dendr. 188 (1893).
- ?*Hydrangea cinerascens* Späth ex Heydenreich in Gartenwelt, 35: 534, fig. (1931).
- H. cinerea** Small in Bull. Torrey Bot. Club, 25: 148 (1898).—Britton & Brown, Ill. Fl. N. U. S. 2: 231, fig. (1897).—Small in N. Am. Fl. 22: 160 (1905).
- Hydrangea arborescens* var. *Deamii* St. John in Rhodora, 23: 208 (1921).

**Hydrangea** (continued)

**H. cinerea** f. *sterilis* Rehder in Mitt. Deutsch. Dendr. Ges. 1908 (17): 157 (1908); in Repert. Sp. Nov. Reg. Veg. 8: 343 (1910).

*Hydrangea arborescens* var. *Deamii* f. *acarpa* St. John in Rhodora, 23: 208 (1921).

**H. radiata** Walter, Fl. Carol. 251 (1788).—Small in N. Am. Fl. 22: 160 (1905).

*Hydrangea nivea* Michaux, Fl. Bor.-Am. 1: 268 (1803).

*Hydrangea discolor* Rafinesque, New Fl. N. Am. 3: 160 [1838].

**H. quercifolia** Bartram, Trav. N. & S. Carol. 382 (descr.), t. [6], 408 (nom.) (1791); ed. 2, 380, t. 6, 406 (1792) "*Hydrangia*".—Small in N. Am. Fl. 22: 161 (1905).—Merrill in Bartonica, 23: 26 (1945).

*Hydrangea radiata* sensu Smith, Icon. Pict. Pl. t. 12, p. [2] (1791), non Walter (1788).

Ser. 2. PETALANTHAE Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10,16: 6 (Rev. Hydrang. As. Or.) (1867), p. p.—Rehder in Sargent, Pl. Wilson. 1: 35 (1911) "subsect."; Man. Cult. Trees Shrubs, ed. 2, 287 (1940) "ser."

*Traupalos* Rafinesque in Ann. Gen. Sci. Phys. 5: 351 (1820).

*Traupalos* Rafinesque in op. cit. 6: 87 (1820), sphalm. pro "*Traupalos*".

*Traupalos* Rafin. ex Reichenbach, Consp. Reg. Veg. 92 (1828).

*Viburnum* subgen. *Traupalos* Rafinesque, Alsogr. Am. 51 (1838).

*Hydrangea* sect. *Euhydrangea* ser. *Petalanthae*, Japonico-Sinenses Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10,16: 6 (Rev. Hydrang. As. Or.) (1867).

*Hydrangea* sect. *Euhydrangea* ser. *Piptopetalae* Maximowicz in op. cit. (1867), p. p.—Nakai, Fl. Sylv. Kor. 15: 68 (1926) "subgen. *E.* sect. *Piptopetalae*".

*Hydrangea* subgen. *Hortensia* Koehne, Deutsche Dendr. 187 (1893).

*Hydrangea* subgen. *Euhydrangea* sect. *Japonico-Sinenses* subsect. *Petalanthae* et subsect. *Piptopetalae* (p. p.) Schneider, Ill. Handb. Laubh. 1: 387, 388 (1905).

**H. Davidii** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 227 (Pl. David. 2: 44. 1888) (1886).

**H. chinensis** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10,16: 7 (Rev. Hydrang. As. Or.) (1867).

*Hydrangea yayeyamensis* Koidzumi in Bot. Mag. Tokyo, 43: 394 (1929).

**H. scandens** (L. f.) Seringe in De Candolle, Prodr. 4: 15 (1830).—Schneider, Ill. Handb. Laubh. 1: 387 (1905).

*Viburnum scandens* Linnaeus f., Suppl. Pl. 184 (1781).

*Viburnum virens* Thunberg, Fl. Jap. 123 (1784).

*Hydrangea virens* Siebold in Nov. Act. Acad. Leop.-Carol. 14,2: 690 (1829).—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10,16: 6 (Rev. Hydrang. As. Or.) (1867).

*Hydrangea scandens* var. *typica* Schneider, Ill. Handb. Laubh. 1: 388 (1905).

**H. macrophylla** (Thunb.) Seringe in De Candolle, Prodr. 4: 15 (1830).—Wilson in Jour. Arnold Arb. 4: 234 (1923).—Suringar in Meded. Rijks Herb. Leid. 56: 37 (1928).—Makino in Jour. Jap. Bot. 6: 12 (1929).

*Viburnum macrophyllum* Thunberg, Fl. Jap. 125 (1784).

*Hortensia opuloides* Lamarck, Encycl. Méth. Bot. 3: 136 (1789).

*Primula mutabilis* Loureiro, Fl. Cochinch. 104 (1790).

*Hortensia japonica* Gmelin, Syst. Nat. ed. 13, 2,1: 722 (1791).—Zorn, Ausw. Schön. Gew. 3: 58 (1796).

*Hydrangea hortensis* Smith, Icon. Pict. Pl. Rar. t. 12 (1792).

*Hortensia mutabilis* Schneevogt, Icon. Pl. Rar. 36, t. (1793).

*Hortensia rosea* Desfontaines, Tabl. Écol. Bot. 115 (1804).

*Hortensia speciosa* Persoon, Syn. Pl. 1: 505 (1805).

*Hydrangea mutabilis* Steudel, Nomencl. Bot. 416 (1821), pro syn.—Hoffmannsegg, Verz. Pflanzenkult. 67 (1824).

*Hydrangea opuloides* Hort. ex Savi, Fl. Ital. 3: 65 (1824), pro syn.—K. Koch, Dendr. 1: 353 (1869).—Voss, Vilmor. Blumengärt. 1: 286 [1894] "*opuloides*".

*Hydrangea Hortensia* Siebold in Nov. Act. Acad. Leop.-Carol. 14,2: 688 (Syn. Hydrang.) (1829).

*Hydrangea Hortensia* γ. *flore pleno* K. Koch, Hort. Dendr. 106 (1853).

*Hydrangea japonica* η. *plena* Regel in Gartenfl. 15: 290 (1866).

*Hydrangea japonica* η. *Hortensia* Regel, l. c. (1866), nom. provis.

*Hydrangea Hortensia* ε. *Hortensia* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10,16: 14 (Rev. Hydrang. As. Or.) (1867).

*Hydrangea hortensia* f. 2. *hortensia* Franchet & Savatier, Enum. Pl. Jap. 1: 152 [1873].

*Hydrangea Hortensia* ε. *communis* Hemsley in Garden, 10: 266 (1876).

*Hydrangea opuloides* a. *Hortensia* Dippel, Handb. Laubh. 3: 322 (1893). inclus. f. a. *macrocephala* (hort.) et f. β. *macrophylla* (hort.).

*Hydrangea opuloides* subsp. *mutabilis* f. *plena* Voss, Vilmor. Blumengärt. 1: 287 [1894].

*Hydrangea opuloides* var. *plena* Rehder in Bailey, Stand. Cycl. Hort. 3: 1621 (1915).

*Hydrangea macrophylla* f. *Hortensia* (Sieb.) Rehder in Jour. Arnold Arb. 7: 240 (1926).\*

**H. macrophylla** f. *Otaksa* (Sieb. & Zucc.) Wilson in Jour. Arnold Arb. 4: 237 (1923).

*Hydrangea Otaksa* Siebold & Zuccarini, Fl. Jap. 1: 105, t. 52 (1840).

*Hydrangea Hortensia* var. *Otaksa* A. Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 312 (Bot. Jap.) (1857).

*Hydrangea japonica* θ. *Otaksa* Regel in Gartenfl. 15: 290 (1866).

*Hydrangea hortensis* f. 1. *Otaksa* Franchet & Savatier, Enum. Pl. Jap. 1: 152 [1873].

*Hydrangea opuloides* d. *Otaksa* Dippel, Handb. Laubh. 3: 323 (1893).—Voss, Vilmor. Blumengärt. 1: 287 [1894] "*opuloides* subsp. *mutabilis* f. O."

*Hydrangea opuloides* var. *otaksa* f. *typica* Schneider, Ill. Handb. Laubh. 1: 392 (1905).

**H. macrophylla** f. *Veitchii* Wilson in Jour. Arnold Arb. 4: 237 (1923).

*Hydrangea Hortensia* var. *japonica rosea* Bean in Garden, 50: 122, t. 1079 (1896), non *H. japonica* var. *rosea* Siebold & Zuccarini (1840), nec *H. macrophylla* f. *rosea* Wilson (1923).

\* As *H. macrophylla* (Thunb.) Ser. is based on *Viburnum macrophyllum* Thunb. and therefore its nomenclatorial type differs from the phylogenetic or biological type of this species concept, it seems desirable to separate this form clearly from the phylogenetic type and from the various other forms of this species instead of citing the synonyms under the binomial. The name for this group would then be *H. macrophylla* f. *Hortensia* (Sieb.) Rehder, l. c. based on the oldest varietal name *Hydrangea japonica* η. *Hortensia* Regel of 1866. To this form belong all the preceding synonyms enumerated under *H. macrophylla*. The phylogenetic type is *H. macrophylla* var. *normalis* Wilson, see p. 201a.

- Hydrangea hortensis* var. *rosea* M. H[esdörffer] in Gartenwelt, **7**: 582, t. (1893).
- Hydrangea opuloides* var. *otaksa* f. *rosea* Schneider, Ill. Handb. Laubh. **1**: 392 (1905).
- Hydrangea Hortensia* var. *rosea* J. H. Veitch, Hort. Veitch. 368 (1906).
- H. macrophylla** f. *mandschurica* (Dieck) Wilson in Jour. Arnold Arb. **4**: 237 (1923).
- Hortensia nigra* Carrière in Rev. Hort. **1880**: 180 (1880).
- Hydrangea Mandschurica nova* Baumann ex Carrière, l. c. (1880), pro syn.
- Hydrangea opuloides mandschurica* hort. ex Dieck, Haupt-Cat. Zöschen, 42 (1885).
- Hydrangea mandschurica* hort. ex Jäger in Jäger & Beissner, Ziergeh. ed. 3, 181 (1889), nom. — Koehne, Deutsche Dendr. 187 (1893).
- Hydrangea opuloides* var. *e. cyanoclada* Dippel, Handb. Laubh. **3**: 323 (1893). — Voss, Vilmor. Blumengärt. **1**: 287 [1894] "*opulodes* subsp. *mutabilis* f. *c.*"
- Hydrangea hortensis* var. *nigra* Rehder in Bailey, Cycl. Am. Hort. **2**: 785 (1900).
- Hydrangea cyanoclada* Hort. ex Bean, Trees Shrubs Brit. Isl. **1**: 625 (1914).
- H. macrophylla** var. *normalis* Wilson in Jour. Arnold Arb. **4**: 238 (1923). The phylogenetic type of the species to which the following forms belong.
- H. macrophylla** f. *rosea* (Sieb. & Zucc.) Wilson in Jour. Arnold Arb. **4**: 240 (1923) "var. *normalis* f. *r.*"
- Hydrangea japonica* Siebold in Nov. Act. Acad. Leop.-Carol. **14**: 689 (Syn. Hydrang.) (1829).
- Hydrangea japonica* var. *rosea* Siebold & Zuccarini, Fl. Jap. **1**: 107 [1840].
- Hydrangea japonica a. typica* Regel in Gartenfl. **15**: 289 (1866).
- Hydrangea Hortensia* β. *japonica* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**: 16: 14 (Rev. Hydrang. As. Or.) (1867).
- Hydrangea hortensis* δ. *japonica* Franchet & Savatier, Enum. Pl. Jap. **1**: 151 (1875).
- Hydrangea opulodes* subsp. *japonica* Voss, Vilmor. Blumengärt. **1**: 286 [1894]. — Schneider, Ill. Handb. Laubh. **1**: 392 (1905) "*opuloides* var. *j.*"
- H. macrophylla** f. *Mariesii* (Bean) Wilson in Jour. Arnold Arb. **4**: 241 (1923) "var. *normalis* f. *M.*"
- Hydrangea Hortensia* var. *Mariesii* Bean in Garden, **54**: 390, t. 1196 (1898).
- Hydrangea hortensis* var. *Mariesii* Bean, Trees Shrubs Brit. Isl. **1**: 625 (1914).
- Hydrangea opuloides* var. *Mariesii* Rehder in Bailey, Stand. Cycl. Hort. **3**: 1621 (1915).
- H. macrophylla** f. *macrosepala* (Reg.) Wilson in Jour. Arnold Arb. **4**: 240 (1923) "var. *normalis* f. *m.*"
- Hydrangea japonica* δ. *macrosepala* Regel in Gartenfl. **15**: 290, t. 520 (1866).
- Hydrangea opuloides* var. *macrosepala* Dippel, Handb. Laubh. **3**: 323 (1893).
- Hydrangea opulodes* subsp. *japonica* f. *macrosepala* Voss, Vilmor. Blumengärt. **1**: 287 [1894].
- Hydrangea hortensis* var. *macrosepala* Rehder in Bailey, Cycl. Am. Hort. **[2]**: 785 (1900).
- H. macrophylla** f. *coerulea* (Hook.) Wilson in Jour. Arnold Arb. **4**: 239 (1923) "var. *normalis* f. *c.*"
- Hydrangea Belzonii* Siebold & Zuccarini, Fl. Jap. **1**: 109, t. 55 (1840).
- Hydrangea japonica* var. *caerulea* Hooker in Bot. Mag. **72**: t. 4253 (1846).
- Hydrangea Hortensia* β. *coerulea* K. Koch, Hort. Dendr. 106 (1853).
- Hydrangea japonica e. coerulescens* Regel in Gartenfl. **15**: 290 (1866).
- Hydrangea hortensis* γ. *Belzonii* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**: 16: 14 (Rev. Hydrang. As. Or.) (1867).
- Hydrangea opuloides* var. *e. Belzonii* Dippel, Handb. Laubh. **3**: 322 (1893).
- Hydrangea opulodes* var. *japonica* f. *Belzonii* Voss, Vilmor. Blumengärt. **1**: 287 [1894].
- Hydrangea hortensis* var. *Belzonii* Nakai in Bot. Mag. Tokyo, **31**: (196) (1917).
- Hydrangea opuloides* var. *japonica* f. *coerulea* Rehder in Jour. Arnold Arb. **3**: 43 (1921).
- H. macrophylla** f. *maculata* (Bl.) Wilson in Jour. Arnold Arb. **4**: 241 (1923) "var. *normalis* f. *m.*"
- Hydrangea hortensis* var. *maculata* Blume, Bijdr. Fl. Nederl. Ind. 920 (1826). — K. Koch, Hort. Dendr. 106 (1853) "δ."
- Hydrangea japonica* ζ. *variegata* Regel in Gartenfl. **15**: 290 (1866).
- Hydrangea hortensis variegata* Nicholson, Ill. Dict. Gard. **2**: 163 (1887).
- Hydrangea opuloides* var. *variegata* Rehder in Bailey, Stand. Cycl. Hort. **3**: 1622 (1915).
- H. serrata** (Thunb.) Seringe in De Candolle, Prodr. **4**: 15, 666 (1830). — Wilson in Jour. Arnold Arb. **4**: 241 (1923). — Nakai, Fl. Sylv. Kor. **15**: 69 (1926).
- Viburnum serratum* Thunberg, Fl. Jap. 124 (1784).
- Hydrangea Thunbergii* Siebold in Verh. Leop.-Carol. Akad. Naturf. **14**: 2: 690 (Syn. Hydrang.) (1829).
- Hydrangea Hortensia* ζ. *angustata* Franchet & Savatier, Enum. Pl. Jap. **1**: 151 (1875).
- Hydrangea opuloides* var. *angustata* Schneider, Ill. Handb. Laubh. **1**: 392 (1905).
- Hydrangea hortensis* var. *serrata* Rehder in Bailey, Cycl. Am. Hort. **[2]**: 785 (1900).
- Hydrangea opuloides* var. *Thunbergii* Makino in Bot. Mag. Tokyo, **26**: 389 (1912).
- Hydrangea cyanea* hort. ex Bean, Trees Shrubs Brit. Isl. **1**: 630 (1914), pro syn.
- Hydrangea opuloides* var. *serrata* Rehder in Bailey, Stand. Cycl. Hort. **3**: 1621 (1915); in Mitt. Deutsch. Dendr. Ges. **1915**(24): 220 [1916] "*opulodes* var. *s.*"
- Hydrangea persicifolia* Hort. ex Wilson in Jour. Arnold Arb. **4**: 242 (1923), pro syn.
- Hydrangea macrophylla* subsp. *serrata* var. *Thunbergii* subvar. *typica* Makino in Jour. Jap. Bot. **6**: 11 (1929).
- H. serrata** f. *acuminata* (Sieb. & Zucc.) Wilson in Jour. Arnold Arb. **4**: 243 (1923). — Nakai, Fl. Sylv. Kor. **15**: 69, t. 21 (1926) "var."
- Hydrangea acuminata* Siebold & Zuccarini, Fl. Jap. **1**: 110, t. 56, 57, fig. 1 [1840].
- Hydrangea Hortensia a. acuminata* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**: 16: 13 (Rev. Hydrang. As. Or.) (1867).
- Hydrangea hortensis a. acuminata* Franchet & Savatier, Enum. Pl. Jap. **1**: 150 [1873].
- Hydrangea opuloides* var. *acuminata* Dieck, Haupt-Cat. Zöschen, 42 (1885). — Dippel, Handb. Laubh. **3**: 323 (1893).
- Hydrangea opuloides* var. *angustata* Matsumura, Index Pl. Jap. **2**: 179 (1912), non Schneider (1905).

**Hydrangea** (continued)

- H. serrata** f. **Buergeri** Nakai, Fl. Sylv. Kor. 15: 70 (1926) "var. *acuminata* f. *B.*"  
*Hydrangea Buergeri* Siebold & Zuccarini, Fl. Jap. 1: 111, t. 57, fig. 2 [1840].  
*Hydrangea opuloides* var. *acuminata* f. *Buergeri* Purpus in Möller's Deutsch. Gärt.-Zeit. 32: 42, fig. (1917).
- H. serrata** f. **pubescens** (Franch. & Sav.) Wilson in Jour. Arnold Arb. 4: 244 (1923). — Nakai in Jour. Jap. Bot. 15: 675 (1939) "var. *acuminata* f. *p.*" — Rehder, Man. Cult. Trees Shrubs, 293 (1927) "var."  
*Hydrangea hortensis* β. *pubescens* Franchet & Savatier, Enum. Pl. Jap. 1: 151 [1873].  
*Hydrangea opuloides* i. *sinensis* Dippel, Handb. Laubh. 3: 324, fig. 172 (1893), "*H. sinensis*" sub fig.  
*Hydrangea opuloides* var. *pubescens* Schneider, Ill. Handb. Laubh. 1: 392 (1905).  
*Hydrangea sinensis* Hort. Simon-Louis ex Wilson in Jour. Arnold Arb. 4: 244 (1923), pro syn.
- H. serrata** f. **rosalba** (Van Houtte) Wilson in Jour. Arnold Arb. 4: 245 (1923). — Rehder, Man. Cult. Trees Shrubs, 293 (1927) "var."  
*Hydrangea japonica* Siebold & Zuccarini, Fl. Jap. 1: 106 (1840), p. p.  
*Hydrangea japonica rosalba* Van Houtte in Fl. des. Serr. 16: 75, t. 1649–50 (1865).  
*Hydrangea japonica* β. *Lindleyi* Regel in Gartenfl. 15: 289 (1866).  
*Hydrangea opuloides* var. *g. acuminata* f. *a. roseo-alba* Dippel, Handb. Laubh. 3: 324 (1893).  
*Hydrangea hortensis* var. *Lindleyana* Nicholson in Garden, 46: 466, t. 990 (1894) "*H. Lindleyana*" in tab.  
*Hydrangea opulodes* subsp. *japonica* f. *Lindleyi* Voss, Vilmor. Blumengärt. 1: 286 [1894].  
*Hydrangea opulodes* subsp. *japonica* f. *roseo-alba* Voss, l. c. [1894].  
*Hydrangea hortensis* var. *rosalba* Rehder in Bailey, Cycl. Am. Hort. [2]: 785 (1900).  
*Hydrangea opuloides* var. *Lindleyana* Rehder in Bailey, Stand. Cycl. Hort. 3: 1621 (1915).  
*Hydrangea opulodes* var. *rosalba* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 220 [1916].
- H. serrata** f. **prolifera** (Reg.) Rehder in Jour. Arnold Arb. 20: 92 (1939).  
*Viburnum cuspidatum* Thunberg, Fl. Jap. 125 (1785).  
*Hydrangea Sitsitan* Siebold in Nov. Act. Acad. Leop.-Carol. 142: 692 (Syn. Hydrang.) (1829).  
*Hydrangea stellata* Siebold & Zuccarini, Fl. Jap. 1: 112, t. 59 [1840].  
*Hydrangea stellata* β. *prolifera* Regel in Gartenfl. 25: 291, t. 521 (1866).  
*Hydrangea Hortensia* η. *stellata* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 14 (Rev. Hydrang. As. Or.) (1867).  
*Hydrangea cuspidata* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 98 (1867).  
*Hydrangea hortensis* var. 3. *stellata* Franchet & Savatier, Enum. Pl. Jap. 1: 152 [1873].  
*Hydrangea opuloides* h. *stellata* Dippel, Handb. Laubh. 3: 324 (1893). — Voss, Vilmor. Blumengärt. 1: 287 [1894] "*opulodes* subsp. *mutabilis* f. *s.*"  
*Hydrangea hortensis* var. *prolifera* Rehder in Bailey, Cycl. Am. Hort. [2]: 785 (1900).  
*Hydrangea opuloides* var. *prolifera* Rehder in Bailey, Stand. Cycl. Hort. 3: 1622 (1915).  
*Hydrangea opulodes* (var. *prolifera* Dipp.) f. *stellata*

- Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 220 [1916], errore pro "var. *stellata* Dipp. f. *prolifera*".  
*Hydrangea serrata* var. *stellata* Wilson in Jour. Arnold Arb. 4: 245 (1923).  
*Hydrangea cuspidata* (Thunb.) Miq. var. *japonica* (Sieb.) Koidzumi in Bot. Mag. Tokyo, 39: 311 (1925), p. p.  
*Viburnum stellatum* a. Thunberg in herb. ex Rehder in Jour. Arnold Arb. 20: 93 (1939), sphalm. pro "*V. serratum* a."; pro syn.
- Ser. 3. **HETEROMALLAE** (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 288 (1940).  
*Hydrangea* sect. *Euhdrangea* ser. *Piptopetalae* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 8 (Rev. Hydrang. As. Or.) (1867), p. p.  
*Hydrangea* subgen. *Euhdrangea* sect. *Japonico-sinenses* subsect. *Piptopetalae* (Maxim.) Schneider, Ill. Handb. Laubh. 1: 388 (1905), p. p.  
*Hydrangea* sect. *Euhdrangea* Subsect. *Heteromallae* Rehder in Sargent, Pl. Wilson. 1: 38 (1911).
- H. paniculata** Siebold in Nov. Act. Acad. Leop.-Carol. 142: 690 (Syn. Hydrang.) (1829). — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 9 (Rev. Hydrang. As. Or.) (1867). — Rehder in Jour. Arnold Arb. 12: 277 (1931).  
*Hydrangea paniculata* a. *typica* Regel in Gartenfl. 16: 2, (1867, Jan.); in Ind. Sem. Hort. Petrop. 1866: 99 (1867, March).  
*Hydrangea paniculata* β. *floribunda* Regel in l. c. t. 530 (1867, Jan.); l. c. (1867, March).  
*Hydrangea paniculata* var. *tardiva* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 784 (1900).  
*Hydrangea Kamienskii* Léveillé in Bull. Acad. Intern. Géog. Bot. 12: 115 (1903).  
*Hydrangea sachalinensis* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 282 (1910).  
*Hydrangea Schindleri* Engler in Engler & Prantl, Nat. Pflanzenfam. ed. 2, 18a: 203 (1930), p. p.
- H. paniculata** f. **praecox** (Rehd.), grad. nov.  
*Hydrangea paniculata* (4) Anon. in Gard. & For. 10: 363, fig. 47 (1897).  
*Hydrangea paniculata* var. *praecox* Rehder in Bailey, Cycl. Am. Hort. [2]: 784 (1900); in Mitt. Deutsch. Dendr. Ges. 1903(12): 121 (1903).
- H. paniculata** f. **grandiflora** (Sieb.) Schelle in Beissner et al., Handb. Laubh.-Ben. 134 (1903).  
*Hydrangea paniculata grandiflora* Siebold ex [Courtin in] Ill. Gartenzeit. 10: 81, t. 6 (1866). — Siebold ex Van Houtte, Fl. des Serr. 16: 105, t. 1665/66 (1866).  
*Hydrangea paniculata* β. *hortensis* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 10, 16: 9 (Rev. Hydrang. As. Or.) (1867).
- H. xanthoneura** Diels in Bot. Jahrb. 29: 379 (1900). — Rehder in Sargent, Pl. Wilson. 1: 26 (1911).
- H. xanthoneura** var. **Wilsonii** Rehder in op. cit. 27 (1911).
- H. xanthoneura** var. **setchuenensis** (Rehd.) Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 186 [1913], sphalm. "*setschuenensis*".  
*Hydrangea Bretschneideri* var. *setchuenensis* Rehder in Sargent, Pl. Wilson. 1: 28 (1911).
- H. dumicola** W. W. Smith in Notes Bot. Gard. Edinb. 10: 39 (1917).
- H. Bretschneideri** Dippel, Handb. Laubh. 3: 320 (1893). — Rehder in Sargent, Pl. Wilson. 1: 38 (1911).

- Hydrangea pubescens* ? sensu Maximowicz in Mém. Acad. Sci. St. Pétersb. **9**: 472 (Ind. Fl. Pekin.) (1859), nom. — Koehne, Deutsche Dendr. 189 (1893). — Non Decaisne (1848).
- Hydrangea vestita* var. *pubescens* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**, **16**: 10 (Rev. Hydrang. As. Or.) (1867), p. p. — Sargent in Gard. & For. **3**: 17, fig. 3 (1890).
- Hydrangea aspera* sensu Zabel in Gartenfl. **38**: 461 (1889), non D. Don (1824).
- Hydrangea pekinensis* Hort. ex Dippel, Handb. Laubh. **3**: 320 (1893), pro syn.
- Hydrangea vestita* Hort. ex Dippel, l. c. (1893), pro syn.; non Wallich (1826).
- H. Bretschneideri** var. *glabrescens* Rehder in Bailey, Cycl. Am. Hort. [2]: 784 (1900); in Mitt. Deutsch. Dendr. Ges. **1903**(12): 121 (1903); **1912**(21): 186 [1913].
- Hydrangea serrata* sensu Koehne, Deutsche Dendr. 189 (1893), non Seringe (1830).
- Hydrangea xanthoneura* var. *glabrescens* Rehder in Sargent, Pl. Wilson. **1**: 27 (1911).
- H. hypoglaucula** Rehder in Sargent, Pl. Wilson. **1**: 26 (1911).
- H. heteromalla** D. Don, Prodr. Fl. Nepal. 211 (1825). — Rehder in Sargent, Pl. Wilson. **1**: 151 (1912).
- Hydrangea vestita* Wallich, Tent. Fl. Nepal. t. 49 [1826], exclud. fig. 5–8. — C. B. Clarke in Hooker f., Fl. Brit. Ind. **2**: 405 (1878).
- Hydrangea pubescens* Decaisne in Fl. des Serr. **4**: t. 378–379 (1848).
- Hydrangea vestita* β. *pubescens* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**, **16**: 10 (Rev. Hydrang. As. Or.) (1867), p. p.
- Ser. 4. PIPTOPETALAE Maximowicz in op. cit. 8 (1867), p. p.
- Hydrangea* subgen. *Euhdrangea* sect. *Japonico-sinenses* subsect. *Piptopetalae* Schneider, Ill. Handb. Laubh. **1**: 388 (1905), p. p.
- Hydrangea* sect. *Euhdrangea* subsect. *Asperae* Rehder in Sargent, Pl. Wilson. **1**: 39 (1911).
- H. involucrata** Siebold in Nov. Act. Acad. Leop.-Carol. **14**: 2 (1829). — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**, **16**: 10 (Rev. Hydrang. As. Or.) (1867).
- H. involucrata** f. *hortensis* (Maxim.), grad. nov.
- Hydrangea involucrata* β. *hortensis* Maximowicz in op. cit. 11 (1867).
- H. strigosa** Rehder in Sargent, Pl. Wilson. **1**: 31 (1911); in Jour. Arnold Arb. **12**: 277 (1931). — Stapf in Bot. Mag. **156**: t. 9324 (1933).
- Hydrangea aspera* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 272 (1887), non D. Don (1824).
- Hydrangea aspera* f. *typica* Diels in Bot. Jahrb. **29**: 375 (1900), non *H. aspera* D. Don (1824).
- Premna Merinoi* Léveillé, Sert. Yunnan. 3 (1916); Cat. Pl. Yunn. 278 (1917).
- Hydrangea villosa* var. *Mairei* Léveillé, op. cit. 254 (1917).
- H. strigosa** var. *macrophylla* (Hemsl.) Rehder in Sargent, Pl. Wilson. **1**: 32 (1911).
- Hydrangea aspera* var. *macrophylla* Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 273 (1887).
- H. aspera** D. Don, Prodr. Fl. Nepal. 211 (1824). — C. B. Clarke in Hooker f., Fl. Brit. Ind. **2**: 404 (1878). — Rehder in Sargent, Pl. Wilson. **1**: 40 (1911). — Hu in Hu & Chun, Icon. Pl. Sin. **1**: 28, t. 28 (1927).
- Hydrangea vestita* Wallich, Tent. Fl. Nepal. t. 49, fig. 5–8 (1826), p. p., exclud. fig. 1–4 et ram. flor.
- Hydrangea vestita* var. *fimbriata* Wallich, Num. List. no. 440b (1828), nom. — Seringe in De Candolle, Prodr. **4**: 14 (1830).
- H. villosa** Rehder in Sargent, Pl. Wilson. **1**: 29 (1911).
- H. villosa** var. *strigosior* (Diels) Rehder in Sargent, Pl. Wilson., **1**: 39 (1911).
- Hydrangea aspera* var. *strigosior* Diels in Bot. Jahrb. **29**: 375 (1900).
- H. Sargentiana** Rehder in Sargent, Pl. Wilson. **1**: 29 (1911).
- H. longipes** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 227 (Pl. David, **2**: 45. 1888) (1886). — Hemsley in Jour. Linn. Soc. Bot. **23**: 273 (1887) “(§ *Calypttranthe*)”. — Rehder in Sargent, Pl. Wilson. **1**: 33 (1911).
- Hydrangea aspera* var. *a. longipes* Diels in Bot. Jahrb. **29**: 374 (1900).
- Hydrangea* (*Calypttranthe*) *Hemsleyana* Diels in op. cit. 376 (1900).
- H. Rosthornii** Diels in op. cit. 374 (1900). — Rehder in Sargent, Pl. Wilson. **1**: 33 (1911); 151 (1912); in Jour. Arnold Arb. **12**: 277 (1931).
- Hydrangea Maximowiczii* Léveillé in Bull. Acad. Intern. Géog. Bot. **12**: 114 (1903).
- H. robusta** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. **2**: 76 (1858).
- Hydrangea cyanema* Nuttall ex Hooker in Bot. Mag. **84**: t. 5038 (1858).
- Sect. II. CALYPTRANTHE Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**, **16**: 16 (Rev. Hydrang. As. Or.) (1867). — Schneider, Ill. Handb. Laubh. **1**: 393 (1905) “subgen.”
- H. petiolaris** Siebold & Zuccarini, Fl. Jap. **1**: 106, t. 54 [1840]. — Rehder in Sargent, Pl. Wilson. **1**: 41 (1911). — Nakai, Fl. Sylv. Kor. **15**: 71, t. 22 (1926).
- Hydrangea scandens* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**, **16**: 16 (Rev. Hydrang. As. Or.) (1867), non Seringe (1830), nec Poeppig ex De Candolle (1830).
- Hydrangea scandens a. petiolaris* Maximowicz, l. c. (1867).
- Hydrangea petiolaris a. ovalifolia* Franchet & Savatier, Enum. Pl. Jap. **1**: 154 [1873].
- Hydrangea tiliaefolia* Léveillé in Repert. Sp. Nov. Reg. Veg. **8**: 282 (1910).
- Hydrangea volubilis* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 785 (1900), pro syn.
- H. petiolaris β. cordifolia** (Sieb. & Zucc.) Franchet & Savatier, Enum. Pl. Jap. **1**: 154 [1873]. — Nakai, Fl. Sylv. Kor. **15**: 72, t. 23 (1926).
- Hydrangea cordifolia* Siebold & Zuccarini, Fl. Jap. **1**: 113, t. 59, fig. 2 [1840].
- Hydrangea bracteata* Siebold & Zuccarini, op. cit. 176, t. 92 [1841].
- Hydrangea scandens β. cordifolia* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **10**, **16**: 16 (Rev. Hydrang. As. Or.) (1867).
- Hydrangea petiolaris γ. bracteata* Franchet & Savatier, Enum. Pl. Jap. **1**: 154 [1873].
- H. anomala** D. Don, Prodr. Fl. Nepal. 211 (1825). — Rehder in Sargent, Pl. Wilson. **1**: 34 (1911).



**Hydrangea anomala** (continued)

- Hydrangea altissima* Wallich, Tent. Fl. Nepal. t. 50 (1826).  
— Clarke in Hooker f., Fl. Brit. Ind. 2: 404 (1878).  
*Hydrangea glabra* Hayata in Jour. Coll. Sci. Tokyo, 25, 19: 89, t. 6 (1908).

**SCHIZOPHRAGMA** Siebold & Zuccarini, Fl. Jap. 1: 58 [1837]. — Bentham & Hooker f., Gen. Pl. 1: 641 (1865).  
— Nakai, Fl. Sylv. Kor. 15: 73 (1926).

TYPUS: *S. hydrangeoides* Sieb. & Zucc.

**S. hydrangeoides** Siebold & Zuccarini, Fl. Jap. 1: 60, t. 26 [1837]. — Rehder in Sargent, Pl. Wilson. 1: 43 (1911).  
— Nakai, Fl. Sylv. Kor. 15: 73, t. 24 (1926).

*Hydrangea Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 282 (1910).

**S. integrifolium** (Franch.) Oliver in Hooker's Icon. Pl. 20: t. 1934 (1890). — Rehder in Sargent, Pl. Wilson. 1: 41 (1911).

*Schizophragma hydrangeoides* var. *integrifolium* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 226 (Pl. David. 2: 44. 1888) (1886).

*Schizophragma Fauriei* Hayata in Jour. Coll. Sci. Tokyo, 22: 131 (Enum. Pl. Formosa) (1906).

**S. integrifolium** var. *molle* Rehder in Sargent, Pl. Wilson. 1: 42 (1911).

**PILEOSTEGIA** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 57 (1858). — Bentham & Hooker f., Gen. Pl. 1: 641 (1865).

TYPUS: *P. viburnoides* Hook. f. & Thoms.

**P. viburnoides** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 76, t. 2 (1858). — Rehder in Sargent, Pl. Wilson. 1: 151 (1912).

**DECUMARIA** Linnaeus, Sp. Pl. ed. 2, 1663 (1762). — Bentham & Hooker f., Gen. Pl. 1: 642 (1865).

*Forsythia* Walter, Fl. Carol. 154 (1788).

TYPUS: *D. barbara* L.

**D. barbara** Linnaeus, l. c. (1762). — Small in N. Am. Fl. 22: 175 (1905).

*Forsythia scandens* Walter, Fl. Carol. 154 (1788).

*Decumaria sarmentosa* Bosc in Act. Soc. Hist. Nat. Paris, 1, 1: 76, t. 13 (1792).

*Decumaria radicans* Moench, Meth. Pl. 107 (1794).

*Decumaria scandens* Salisbury, Prodr. Stirp. Chap. Allert. 355 (1796).

*Decumaria Forsythia* Michaux, Fl. Bor.-Am. 1: 282 (1803).

**D. sinensis** Oliver in Hooker's Icon. Pl. 18: 1741 (1888). — Rehder in Sargent, Pl. Wilson. 1: 152 (1912).

Subfam. II. ITEOIDEAE Engler in Nat. Pflanzenfam. ed. 2, 18a: 108, 184 (1930).

*Cunoniaceae* Horaninov, Prim. Lin. Syst. Nat. 85 (1834), p. p. quoad *Itea*.

*Iteaceae* J. C. Agardh, Theor. Syst. Pl. 151 (1858). — Britton in N. Am. Fl. 22: 180 (1905).

*Cacteae* 2. *Escalloniaceae* Reichenbach, Handb. Nat. Pflanzenfam. ed. 2, 18a: 184 (1930).

*Saxifragaceae* subfam. *Escallonioidae* Engler in Nat. Pflanzenfam. III. 2a: 78 (1891), p. p.

**ITEA** Linnaeus, Sp. Pl. 199 (1753); Gen. Pl. 92, no. 243 (1754). — Bentham & Hooker f., Gen. Pl. 1: 647 (1865).

— Engler in Nat. Pflanzenfam. ed. 2, 18a: 184 (1930).

TYPUS: *I. virginica* L.

**I. virginica** Linnaeus, l. c. (1753). — Britton in N. Am. Fl. 22: 181 (1905).

**I. ilicifolia** Oliver in Hooker's Icon. Pl. 16: t. 1538 (1886).

Subfam. III. ESCALLONIOIDEAE A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 61 (1864). — Engler in Nat. Pflanzenfam. III. 2a: 46, 78 (1891), p. p. typ.

*Escalloniaceae* Dumortier, Anal. Fam. Pl. 37 (1829).

*Brexiaceae* Lindley, Introd. Nat. Syst. Bot. 112 (1830).

*Cacteae* 2. *Escalloniaceae* Reichenbach, Handb. Nat. Pflanzenfam. ed. 2, 18a: 184 (1930).

*Saxifragaceae* subord. *Escalloniaceae* Gray, Bot. Textbook, 284 (1842), exclud. *Itea*. — Luerssen, Grundzüge Bot. 372 (1877) "subfam."

*Ribesiaceae* . . . *Escalloniaceae* Horaninov, Tetractys Nat. 29 (1843), nom.

*Escalloniaceae* Presl, Wseob. Rostlin. 1: 686 (1846).

*Saxifragaceae* 5. *Escalloniaceae* Drude in A. Schenk, Handb. Bot. 3, 2: 381 (1887).

**ESCALLONIA** Mutis ex Linnaeus f., Suppl. Pl. 21 (1781). — Bentham & Hooker f., Gen. Pl. 1: 644 (1865).

*Stereoxylon* Ruiz & Pavon, Pl. Peruv. Prodr. 38, t. 13 (1794).

*Vigiera* Vellozo, Fl. Flum. 76; Icon. 2: t. 73, 74 (1827).  
TYPUS: *E. myrtilloides* L. f.

**E. virgata** (Ruiz & Pav.) Persoon, Syn. Pl. 1: 234 (1805).  
*Stereoxylon virgatum* Ruiz & Pavon, Pl. Peruv. Prodr. 38, t. 13 (1794).

*Escallonia angustifolia* Philippi in Linnaea, 33: 85 (1864), non Presl (1835).

*Escallonia virgata* var. *Philippiana* Engler in Linnaea, 36: 571 (1870).

*Escallonia Philippiana* Masters in Gard. Chron. 1873: 947 (1873). — Schneider, Ill. Handb. Laubh. 1: 399, fig. 256k-n (1905).

**E. langleyensis** (*E. rubra* × *virgata*) [Veitch] in Gard. Chron. ser. 3, 22: 17, fig. 4 (1897).

**E. illinita** Presl, Rel. Haenk. 2: 49 (1835). — Engler in Linnaea, 36: 545 (1870).

Subfam. IV. RIBESIOIDEAE Engler in Nat. Pflanzenfam. III. 2a: 46, 88 [1890].

*Grossulariae* De Candolle in Lamarck & De Candolle, Fl. Franç., ed. 3, 4: 405 (1805).

*Ribesiae* A. Richard, Bot. Méd. 2: 487 (1823).

*Grossulariaceae* Dumortier, Anal. Fam. Pl. 42 (1829). — Coville & Britton in N. Am. Fl. 22: 193 (1908).

*Grossulaceae* Lindley, Syn. Brit. Fl. 106 (1829); Introd. Nat. Syst. Bot. 54 (1830).

*Ribesiaceae* Horaninov, Prim. Lin. Nat. Syst. 84 (1834). — Luerssen, Grundzüge Bot. 372 (1877).

*Cacteae* 1. *Grossulariaceae* Reichenbach, Handb. Nat. Pflanzenfam. ed. 2, 18a: 184 (1930).

*Grossulariaceae* Presl, Wseob. Rostlin. 1: 684 (1846).

*Saxifragaceae* 3. *Ribesiae* Horaninov, Char. Ess. Fam. Reg. Veg. 144 (1847).

**RIBES** Linnaeus, Sp. Pl. 200 (1753); Gen. Pl. 94, no. 247 (1754). — Bentham & Hooker f., Gen. Pl. 1: 654 (1865). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 199–516, fig. (Monog. Groseill.) (1907). — Berger in Tech. Bull. New York St. Agric. Exp. Sta. 109: 1–118 (Taxon. Rev. Curr. Gooseb.) (1924). — Nakai, Fl. Sylv. Kor. 15: 27 (1926). — J. C. Bates in Kansas Univ. Sci. Bull. 21: 369–398 (1933), anatomical study.

- Ribesium* Medicus, Phil. Bot. 120 (1789), exclus. *Grossularia*.  
*Grossularia* Ruprecht, Fl. Ingr. 415 (1860), sensu lato.  
 LECTOTYPUS: *R. rubrum* L.
- Subgen. I. BERISIA (Spach) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1903: 237 (Essai Disp. Nat. Ribes, 6) (1903); Monog. Groseill. 259 (1907).
- Ribes* sect. III. *Ribes* Berlandier in De Candolle, Prodr. 3: 479 (1828), p. p.
- Ribes* sect. *Botrycarpum* G. Don, Gen. Hist. Dichlam. Pl. 3: 185 (1834), non A. Richard (1823).
- Ribes* sect. *Berisia* Spach, Hist. Nat. Vég. Phan. 6: 167 (1838).
- Liebichia* Opiz, Seznam Rostl. České, 59 (1852), nom. subnud.
- Ribes* subgen. *Ribes* ser. *Alpina* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 263 (in Mém. Biol. 9: 236. 1873) (1874). — Engler in Nat. Pflanzenfam. III. 2a: 92 [1890] "sect. R. §. A."
- Ribes* sect. *Ribes* subsect. *Berisia* Koehne, Deutsche Dendr. 193 (1893).
- Sect. 1. EUBERISIA Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 288, 289 (Spec. Gen. Ribes, 3: 10) (1906); Monog. Groseill. 262 (1907).
- Ribes* subgen. *Berisia* ser. *Alpina* Poiarkova in Act. Inst. Bot. Acad. Sci. U. R. S. S. 2: 205 (1936); in Komarov, Fl. S. S. S. R. 9: 259 (1939) "*Alpinae*".
- Ribes* subgen. *Berisia* ser. *Orientalia* Poiarkova in op. cit. 202 (1936); in op. cit. 257 (1939) "*Orientalia*".
- Ribes* subgen. *Berisia* ser. *Lucida* Poiarkova in op. cit. 209 (1936); in op. cit. 263 (1939) "*Lucidae*".
- R. alpinum** Linnaeus, Sp. Pl. 200 (1753). — Rouy & Camus, Fl. France, 7: 89 (1901).
- Ribes dioicum* Moench, Meth. Pl. 683 (1794).
- ?*Ribes album* Gilibert, Fl. Lithuan. 2: 137 [ex Index Kew. 1: 720]; in Linnaeus, Syst. Pl. Eur. 1, Fl. Lithuan. [2]: 54 (1785).
- Ribes bacciferum* a. sterile Wallroth, Sched. Crit. Fl. Hal. 108 (1822).
- Ribes alpinum* β. *bacciferum* Wallroth, l. c., (1822).
- Liebichia alpina* Opiz, Seznam Rostl. Květ. České, 59 (1852).
- Grossularia insipida* Schwenkfeld ex Ruprecht, Fl. Ingr. 1: 419 (1860).
- Ribes lucidum* Kitaibel in Linnaea, 32: 481 (1863). — Poiarkova in Act. Inst. Bot. Acad. Sci. U. R. S. S. 2: 210, fig. 17 (1936); in Komarov, Fl. S. S. S. R. 9: 164 (1939).
- Ribes opulifolium* Hort. ex K. Koch, Dendr. 1: 657 (1869), pro syn.
- Ribes alpinum* a. *europaeum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 265 (in Mém. Biol. 9: 239. 1873) (1874).
- R. alpinum** f. *aureum* (Pynaert), grad. nov.
- Ribes alpinum pumilum aureum* Pynaert in Rev. Hort. Belg. 4: 233, t. (1878).
- Ribes alpinum* var. *aureum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1532 (1902).
- R. alpinum** f. *laciniatum* Kirchner in Petzold & Kirchner, Arb. Muscav. 408 (1864) "(f.)"
- R. alpinum** f. *pumilum* (Lindl.), grad. nov.
- Ribes alpinum* var. *pumilum* Lindley in Trans. Hort. Soc. Lond. 7: 244 [1828?].
- Ribes alpinum* var. *humile* hort. ex Dippel, Handb. Laubh. 3: 304 (1893), pro syn. — A. Braun ex Rehder, Man. Cult. Trees Shrubs, 300 (1927), pro syn.
- Ribes alpinum* a. *microphylla* Lange ex Dippel, Handb. Laubh. 3: 304 (1893). — ? Beck in Repert. Sp. Nov. Reg. Veg. 18: 131 (1922) "*f. microphyllum*".
- ?*Ribes alpinum* f. *compactum* Berndt in Mitt. Deutsch. Dendr. Ges. 1915(24): 319, t. 36 [1916].
- R. tricuspis** Nakai, Chosen Shokub. 1: 342, fig. 426 (1914); Fl. Sylv. Kor. 15: 37 (1926) "*tricuspe*".
- Ribes alpinum* γ. *japonicum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 266 (in Mém. Biol. 9: 240. 1873) (1874).
- Ribes distans* var. *japonicum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 460 (Monog. Groseill.) (1907).
- Ribes tricuspe* a. *typicum* Nakai, Fl. Sylv. Kor. 15: 37 (1926).
- Ribes tricuspe* var. *japonicum* Nakai, l. c. t. 5 (1926).
- R. Maximowiczianum** Komarov in Act. Hort. Petrop. 22: 787 (Fl. Mansh. II) (1904). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 260 (1939).
- Ribes distans* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1905: 289 (1905); Monog. Groseill. 459 (1907). — Nakai, Fl. Sylv. Kor. 15: 35, t. 3 (1926). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 295 (1940).
- Ribes alpinum* β. *mandshuricum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 265 (in Mém. Biol. 9: 239. 1873) (1874).
- Ribes Maximowiczii* Komarov in Act. Hort. Petrop. 22: 443, 787 (corr.) (Fl. Mansh. II) (1904), non Batalin (1890).
- R. Vilmorinii** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 290 (1906); Monog. Groseill. 462, fig. 167, 168 (1907).
- R. orientale** Desfontaines, Hist. Arb. 2: 88 (1809). — Janczewski, Monog. Groseill. 457, fig. 164 (1907). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 257 (1939).
- Ribes leptostachyum* Decaisne in Jacquemont, Voy. Inde, 4 (Bot.): 65, t. 76 (1844), non Benthams (1845).
- Ribes villosum* Wallich, Num. List, no. 6852 (1832), nom.; in Roxburgh, Fl. Ind. 2: 514 (1824). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 259, t. 14, fig. 4 (1939).
- Ribes resinosum* Pursh ex Sims in Bot. Mag. 38: t. 1583 (1813). — Pursh, Fl. Bor.-Am. 1: 163 (1814).
- Ribes punctatum* Lindley in Bot. Reg. 15: t. 1278 (1829), non Ruiz & Pavon (1802).
- Ribes odoriferum* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 137 (1859).
- Ribes orientale* a. *genuinum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 458 (Monog. Groseill.) (1907).
- Ribes orientale* β. *resinosum* (hort.) Janczewski, l. c. (1907).
- R. orientale** var. *heterotrichum* (C. A. Mey.) Janczewski, l. c. (1907).
- Ribes heterotrichum* C. A. Meyer in Ledebour, Fl. Alt. 1: 270 (1829). — Poiarkova in Bull. Appl. Bot. (Genet.) 22: 337, fig. 42 (1929); in Komarov, Fl. S. S. S. R. 9: 258 (1939).
- R. tenue** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 290 (1906); Monog. Groseill. 463, fig. 169, 170 (1907).

**Ribes tenue** (continued)

- Ribes alpinum* var. *japonicum* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 239 (Pl. David 2: 57. 1888) [1886], non Maximowicz (1873).
- R. glaciale** Wallich in Roxburgh, Fl. Ind. 2: 513 (1824). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 467, fig. 173 (Monog. Groseill.) (1907).  
*Ribes laciniatum* Hooker f. & Thomson in Jour. Linn. Soc. Bot. 2: 87 (1858). — Janczewski in op. cit. 466, fig. 172 (1907).
- R. glaciale** f. *angustisepalum* (Rehd.), grad. nov.  
*Ribes glaciale* var. *angustisepalum* Janczewski ex Rehder, Man. Cult. Trees Shrubs, 301 (1927).
- R. Wallichii** (*R. glaciale* × *luridum*) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), 1911: 618, fig. 5 (1911).
- R. luridum** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 87 (1858). — Janczewski in Mém. Soc. Phys. Hist. Nat. 35: 469, fig. 174 (Monog. Groseill.) (1907).
- R. Maximowiczii** Batalin in Act. Hort. Petrop. 11: 487 (1890). — Janczewski in op. cit. 473, fig. 178 (1907).
- R. Maximowiczii** var. *floribundum* Jesson in Kew Bull. 1915: 347 (1915).  
*Ribes Jessoniae* Stapf in Bot. Mag. 166: t. 8840 (1920).
- Sect. 2. **DIACANTHA** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), 1906: 288, 289 (Spec. Gen. Ribes, 3: 9, 10) (1906).  
*Ribes* subgen. *Berisia* ser. *Diacantha* Poiarkova in Act. Inst. Bot. Acad. Sci. S. S. S. R. 2: 205 (1936); in Komarov, Fl. S. S. S. R. 9: 264 (1939) "*Diacanthae*".
- R. diacanthum** Pallas, Reise Versch. Prov. Russ. Reich. 3: 722 (1776) "*diacantha*"; Fl. Ross. 1,2: 36, t. 66 (1788) "*diacantha*". — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 451, fig. 161 (Monog. Groseill.) (1907) "*diacantha*". — Nakai, Fl. Sylv. Kor. 15: 33, t. 2 (1926) "*diacantha*". — Poiarkova in Komarov, Fl. S. S. S. R. 9: 264 (1939) "*diacantha*". — Rehder, Man. Cult. Trees Shrubs, ed. 2, 296 (1940). \*
- Ribes saxatile* Pallas in Nov. Act. Acad. Sci. Petrop. 10,1 (Hist.): 238 (1797); 10,2(Math.-Phys.): 376 (1797). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 265, t. 15, fig. 3 (1939) "*saxatile*".  
*Ribes cuneatum* Karelín & Kirilov in Bull. Soc. Nat. Moscou, 14: 426 (1841).
- R. pulchellum** Turczaninov in Bull. Soc. Nat. Moscou, 5: 191 (1832). — Trautvetter, Pl. Imag. Descr. 1: 13, t. 8 (1844). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 453, fig. 162, 162<sup>bis</sup> (Monog. Groseill.) (1907). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 266 (1939).
- R. Giraldii** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 289 (Spec. Gen. Ribes, 3: 10) (1906); Monog. Groseill. 455, fig. 163, 163<sup>bis</sup> (1907).
- Sect. 3. **DAVIDIA** Janczewski in op. cit. 288, 292 (9, 13) (1906); Monog. Groseill. 263 (1907).

\* Pallas treated *Ribes* as of feminine gender (see his Fl. Ross. 1,2: 34–36), which is against classical and Linnaean usage (see also Rehder in Jour. Arnold Arb. 20: 413, 1939), and therefore used the feminine gender of the adjective *diacanthus*, *a*, *am*, but Poiarkova's use in 1936 of *Diacantha* as a name of a series is obviously an adjective in the neuter plural form, since all her names of series are adjectives in the plural form; the latter fact is also made evident by her use of the feminine plural form in 1939, namely "*Diacanthae*". Janczewski's sectional name "*Diacantha*", however, should be considered a noun, since he used nouns exclusively for his sections.

**R. laurifolium** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat., sér. B(Sci. Nat.), 1910: 79 (1910); in Repert. Sp. Nov. Reg. Veg. 12: 377 (1913). — Stapf in Bot. Mag. 140: t. 8543 (1914). — Rehder in Jour. Arnold Arb. 12: 279 (1931).

*Cavaleria enkianthoidea* Léveillé in Repert. Sp. Nov. Reg. Veg. 11: 66 (1912); Fl. Kouy-Tchéou, 389 (1917), pro syn.

*Ribes pachysandroidea* sensu Léveillé, Fl. Kouy-Tchéou, 389 (1917), non *R. pachysandroides* Oliver (1888).

**R. Henryi** Franchet in Bull. Soc. Linn. Paris, 1898: 87 (1898). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 475, fig. 180 (Monog. Groseill.) (1907).

Sect. 4. **HEMIBOTRYA** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1905: 758, 759 (Spec. Gen. Ribes, 1: 3, 4) (1905); Monog. Groseill. 256 (1907) "subgen. *Parilla* sect. *H*."

*Ribes* subgen. *Fasciculatae* Nakai, Fl. Sylv. Kor. 15: 30 (1926).

**R. fasciculatum** Siebold & Zuccarini in Abh. Akad. Wiss. Münch. 4,2: 189 (Fam. Nat. Fl. Jap. 1: 81) (1845). — Rehder in Sargent, Trees & Shrubs 1: 75, t. 38 (1903). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 395, fig. 116 (Monog. Groseill.) (1907). — Nakai, Fl. Sylv. Kor. 15: 30 (1926).

*Ribes japonicum* Carrière in Rev. Hort. 1877: 436 (1877), non Maximowicz (1874).

*Ribes fasciculatum a. japonicum* (hort.) Janczewski in op. cit. 396 (1907). — Nakai in op. cit. 31 (1926).

**R. fasciculatum** var. *chinense* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 264 (in Mém. Biol. 9: 237. 1873) (1874). — Janczewski in op. cit. 396 (1907). — Nakai in op. cit. 30, t. 1 (1926).

*Ribes Billiardii* Carrière in Rev. Hort. 1867: 140 (1867).

Sect. 5. **PARILLA** (Jancz.) Rehder, Man. Cult. Trees Shrubs, 302 (1927).

*Rebis* Spach in Ann. Sci. Nat. Bot. sér. 2, 4: 26 (1835).

*Ribes* subgen. *Parilla* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1905: 757 (1905), exclud. sect. *Hemibotrya*.

*Ribes* subgen. *Parilla* sect. *Andina* et sect. *Euparilla* Janczewski in op. cit. 758 (Spec. Gen. Ribes, 1: 3) (1905); Monog. Groseill. 256, 258 (1907).

**R. Gayanum** (Spach) Steudel, Nomencl. Bot. ed. 2, 2: 439 (1841). — Janczewski, Monog. Groseill. 427, fig. 141, 142 (1907).

*Rebis Gayana* Spach in Ann. Sci. Nat. Bot. sér. 2, 4: 29 (1835).

*Ribes villosum* Gay, Fl. Chilen. 3: 35 (1847), non Wallich (1824), nec Nuttall ex Torrey & Gray (1838).

*Ribes trilobum* Meyer, Reise um Erde, 1: 314 (1834).

Subgen. II. **RIBESIA** (Berl.) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1903: 236 (Essai Dispos. Nat. Ribes, 5) (1903).

*Ribes* sect. *Ribesia* Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, 3,2: 56 (Mém. Grossul.) (1826).

*Ribes* sect. *Coreosma* Spach in Ann. Sci. Nat. Bot. sér. 2, 4: 22 (1835). — Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1903: 240 (1903) "subgen.", p. p.; Monog. Groseill. 239 (1907) "subgen.", p. p.

Sect. 6. **MICROSPERMA** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 6 (Spec. Gen. Ribes, II.) (1906).

- Ribes* subgen. *Grossularia* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 248 (in Mém. Biol. **9**: 215. 1873) (1874), p. p. quoad *R. ambiguum*.
- R. ambiguum** Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 251 (in Mém. Biol. **9**: 219. 1873) (1874). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 304, fig. 41, 42 (Monog. Groseill.) (1907).
- Sect. 7. SYMPHOCALYX Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, **32**: 56 (Mém. Grossul.) (1826). — Janczewski, op. cit. 244 (1907).
- Ribes* c. *Siphocalyx* Endlicher, Gen. Pl. 824 [1839]. — Bentham & Hooker f., Gen. Pl. **1**: 655 (1865) "sect.".
- Chrysobotrya* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 18 (1835).
- Ribes* VII. *Aurea* Abrams, Ill. Fl. Pacif. St. **2**: 389 (1944).
- R. aureum** Pursh, Fl. Am. Sept. **1**: 144 (1814). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 333 (Monog. Groseill.) (1907), p. p.; in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), **1910**: 82 (1910), p. p. — Berger, Taxon. Rev. Curr. Gooseb. 41 (1924).
- Ribes jasminiflorum* Agardh in Svensk Landtbr.-Akad. Annal. **9**: 143 (1823).
- Ribes flavum* Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, **32**: 60, t. 2, fig. 24 (1826) "*R. ebracteatum*" in tab.
- Ribes tenuiflorum* Lindley in Trans. Hort. Soc. Lond. **7**: 242 (1828); in Bot. Reg. **15**: t. 1274 (1829). — Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), **1910**: 86, fig. 3 (1910).
- Ribes inodorum* Link, Handb. Erkenn. Gew. **2**: 7 (1831).
- Chrysobotrya Lindleyana* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 20, t. 1c (1835).
- Ribes aureum* var. *tenuiflorum* Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. **4**: 88 (1857). — Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.) **1910**: 91, fig. 3 (1910).
- Chrysobotrya aurea* Rydberg, Fl. Rocky Mts. 399 (1917).
- R. aureum** f. *chrysococcum* (Rydb.), grad. nov.
- Ribes aureum chrysococcus* n. v. Rydberg in Fl. Nebraska, **21**: 71 (1895). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 334 (Monog. Groseill.) (1907) "race c."
- ?*Ribes aureum* var. *aurantiacum* Bean, Trees Shrubs Brit. Isl. **2**: 399 (1914).
- R. odoratum** Wendland in Bartling & Wendland, Beitr. Bot. **2**: 15 (1825). — Coville & Britton in N. Am. Fl. **22**: 205 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 40 (1924).
- Ribes aureum* sensu Lindley in Bot. Reg. **2**: t. 125 (1816). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 333, fig. 66 (Monog. Groseill.) (1907), p. p.; in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), **1910**: 82 (1910), p. p. — Non Pursh (1814).
- Ribes longiflorum* [Nuttall in] Fraser, Cat. New Int. Pl. (1813); repr. in Pittonia, **2**: 118 (1890); nom. — Lindley in Bot. Reg. **2**: t. 125, p. [1] (1816), pro syn.
- Ribes aureum* β. *villosum* Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, **32**: 60 (1826).
- Ribes fragrans* Loddiges in Bot. Cab. **16**: t. 1533 (1829), non Pallas (1797).
- Ribes palmatum* Desfontaines, Cat. Hort. Paris, ed. 3, 274 (1829). — Thory, Monog. Gen. Groseill. 28 (1829).
- Chrysobotrya revoluta* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 19, t. 1A (1835).
- Ribes Oregoni* Hérincq in Hort. Franc. **1872**: 227, t. 8 (1872).
- Ribes aureum* a. *grandiflorum* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), **1910**: 82 (1910).
- Ribes aureum* a. *revolutum* Janczewski in op. cit. 91, fig. 1 (1910).
- Ribes revolutum* (Spach) Janczewski in op. cit. 84 (1910).
- Ribes aureum ginkoëfolium* Janczewski in op. cit. 84 (1910), pro syn.
- Ribes aureum* c. *longiflorum* (Nutt.) Janczewski in op. cit. 91 (1910).
- Coreosma odorata* Nieuwland in Am. Midland Nat. **4**: 60 (1915).
- Coreosma longiflora* Lunell in Am. Midland Nat. **4**: 415 (1916).
- Ribes missouriense* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. **5**: 2958 (1916), pro syn.
- Chrysobotrya odorata* Rydberg, Fl. Rocky Mts. 399 (1917).
- R. odoratum** f. *xanthocarpum* Rehder in Jour. Arnold Arb. **7**: 24 (1926).
- R. odoratum** f. *serotinum* (Lindl.) Rehder in op. cit. **1**: 255 (1920).
- Ribes flavum* Colla in Mem. Accad. Sci. Torino, **33**: 114, t. 1B (Hort. Ripul. app. 3) (1828), non Berlandier (1826).
- Ribes fragrans* Loddiges, Bot. Cab. **16**: t. 1533 (1829), non Pallas (1797).
- Ribes aureum* β. *serotinum* Lindley in Trans. Hort. Soc. Lond. **7**: 242 (1830).
- ?*Ribes aureum* γ. *sanguineum* Lindley, l. c. (1830).
- Chrysobotrya intermedia* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 19, t. 1A (1835).
- Ribes intermedium* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), **1910**: 86, fig. 2 (1910), non Carrière (1867).
- Ribes aureum* b. *intermedium* Janczewski, op. cit. 91 (1910).
- Ribes aureum acerifolium* Hort. Späth ex Janczewski, l. c. (1910), pro syn.
- Ribes odoratum* var. *intermedium* (Spach) Rehder ex Berger, Taxon. Rev. Curr. Gooseb. 41 (1924). — Rehder, Man. Cult. Trees Shrubs, 303 (1927).
- R. odoratum** var. *leiobotrys* (Koehne) Rehder ex Berger, Taxon. Rev. Curr. Gooseb. 41 (1924). — Rehder, Man. Cult. Trees Shrubs, 303 (1927).
- Ribes leiobotrys* Koehne, Deutsche Dendr. 192 (1893).
- Ribes aureum* (f.) *leiobotrys* (Koehne) Zabel in Beissner et al., Handb. Laubh.-Ben. 143 (1903).
- Sect. 8. CALOBOTRYA (Spach) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1903**: 239 (Essai Disp. Nat. Ribes, 8) (1903) "subgen."; Monog. Groseill. 243 (1907). — Berger, Taxon. Rev. Curr. Gooseb. 42 (1924) "subgen."
- Calobotrya* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 21 (1835).
- Coreosma* Spach in op. cit. 22 (1835), p. p.
- Ribes* sect. *Ribes* §. 1. *Nigra* Engler in Nat. Pflanzenfam. III. **2a**: 92 [1890], p. p.
- Ribes* sect. *Ribes* §. 3. *Rubra* Engler, l. c. [1890], p. p.
- Ribes* subgen. *Calobotrya* ser. *Sanguinea* Berger, Taxon. Rev. Curr. Gooseb. 42 (1924), nom. subnud. — Abrams, Ill. Fl. Pacif. St. **2**: 389 (1944) "*R. VII. Sanguinea*".
- Ribes* VI. *Viscosissima* Abrams, l. c. (1944), p. p.

**Ribes** (continued)

- R. Wolfii** Rothrock in Am. Naturalist, 8: 358 (1874, June); Prelim. Rep. Bot. Centr. Colorado in Cat. Pl. Coll. 1871-73, 38 (in U. S. Dept. Engineer., U. S. Army; Geog. Geol. Surv. 100th Merid.) (1874, after July).  
*Ribes mogollonicum* Greene in Bull. Torrey Bot. Club, 8: 121 (1881).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 314, fig. 52 (Monog. Groseill.) (1907).  
*Ribes variegatum* sensu Schneider, Ill. Handb. Laubh. 1: 417, fig. 265r (1905), non A. Nelson (1902).
- R. sanguineum** Pursh, Fl. Am. Sept. 1: 164 (1814).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 320, fig. 57 (Monog. Groseill.) (1907).  
*Calobotrya sanguinea* Spach in Ann. Sci. Nat. Bot. sér. 2, 4: 21 (1835).  
*Coreosma sanguinea* Spach, Hist. Nat. Vég. Phan. 6: 155 (1838).  
*Ribes Scuphami* Eastwood in Proc. Calif. Acad. Sci. ser. 3 (Bot.) 2: 242, t. 23, fig. 2 (1902).
- R. sanguineum** f. *Brocklebankii* (Bean), grad. nov.  
*Ribes sanguineum* var. *Brocklebankii* Bean, Trees Shrubs Brit. Isl. 2: 407 (1914).
- R. sanguineum** f. *splendens* (Barbier), grad. nov.  
*Ribes sanguineum* *splendens* Barbier in Rev. Hort. 1913: 428, t. (1913).
- R. sanguineum** f. *atrorubens* (Loud.), grad. nov.  
*Ribes sanguineum* var. *atrorubens* Loudon, Arb. Brit. 2: 989 (1838).—Nicholson, Ill. Dict. Gard. 3: 306 [1886].  
*Ribes sanguineum* var. *atrosanguineum* Bosse, Vollst. Handb. Blumengärt. ed. 2, 3: 252 (1842).—Nicholson, Ill. Dict. Gard. Cent. Suppl. 639 [1901].
- R. sanguineum** f. *carneum* Dippel, Handb. Laubh. 3: 294 (1893).  
*Ribes carneum grandiflorum* Carrière in Rev. Hort. 1874: 220 (1874).
- R. sanguineum** f. *albescens* (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 299 (1940).  
*Ribes sanguineum* var. *albidum* sensu [Nicholson in] Kew Hand-list Trees Shrubs, 235 (1894), sec. specim. ex Hort. Kew. coll. G. Nicholson.—Bean in Garden, 51: 29, t. fig. 2 (1897) "*R. album* in tab."; Trees Shrubs Brit. Isl. 2: 407 (1914).—Non *R. albidum* Paxton (1843).  
*Ribes sanguineum* var. *albescens* Rehder in Bailey, Stand. Cycl. Hort. 5: 2958 (1916, Oct.).  
*Ribes sanguineum album* Gorman in Muhlenbergia, 2: 401 (1917, Feb. 15).
- R. Gordonianum** [*R. odoratum* × *sanguineum*] Beaton in Gard. Chron. 1842: 301 (1842) "*R. sanguineum* × *aureum*", nom. subnud.—Lemaire in Fl. des Serr. 2, 11: 1, t. 3 (t. 165) (1846).—Berger, Taxon. Rev. Curr. Gooseb. 54 (1924).  
*Ribes Beatonii* [Loudon] in Gard. Mag. (Loudon), n. ser., 9: 269 (1843), nom. subnud.  
*Ribes Loudoni* hort. ex Dippel, Handb. Laubh. 3: 295 (1893), pro syn.
- R. Bethmontii** (*R. malvaceum* × *sanguineum*) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1904: 27, fig. 4, 5 (Hybr. Groseill. 6) (1904); Monog. Groseill. 489, fig. 192 (1907).
- R. fontenayense** (*R. sanguineum* × *uva-crispa*) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math.

Nat. 1906: 13 (Spec. Gen. Ribes, 2) (1906); Monog. Groseill. 492, fig. 193 (1907).

- R. malvaceum** Smith in Rees, Cyclop. 30: R. no. 13 (1811).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 323 (Monog. Groseill.) (1904).—Berger, Taxon. Rev. Curr. Gooseb. 55 (1924).  
*Ribes tubulosum* Eschscholtz in Mém. Acad. Sci. St. Pétersb. 10: 283 (1826).  
*Ribes tubiflorum* C. A. Meyer in Nouv. Mém. Soc. Nat. Moscou, 1: 140, t. 4 (1829).  
*Ribes sanguineum* var. *malvaceum* Loudon, Arb. Brit. 2: 988, fig. 741 (1838).  
*Ribes malvaceum viridifolium* Abrams in Bull. South Calif. Acad. Sci. 1: 67 (1902).  
*Ribes viridifolium* Heller in Muhlenbergia, 1: 77 (1904).  
*Ribes purpurascens* Heller in op. cit. 4: 29 (1908).
- R. nevadense** Kellogg in Proc. Calif. Acad. 1: 63 (1855).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 315, fig. 53 (Monog. Groseill.) (1907).—Berger, Taxon. Rev. Curr. Gooseb. 44 (1924).  
*Ribes sanguineum* var. *variegatum* S. Watson in King, Rep. Geol. Expl. 40th Parall. 5: 100 (1871).  
*Ribes variegatum* Nelson, Anal. Key Fl. Pl. Rocky Mts. 34 (1902).  
*Ribes ascendens* Eastwood in Proc. Calif. Acad. Sci. ser. 3 (Bot.) 2: 244 (1902).  
*Ribes Hittellianum* Eastwood in op. cit. 245 (1902).  
*Ribes glaucescens* Eastwood in op. cit. 245 (1902).  
*Ribes sanguineum* subsp. *nevadense* Zabel in Beissner et al., Handb. Laubh.-Ben. 140 (1903).  
*Ribes nevadense* a. *genuinum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 316 (Monog. Groseill.) (1907).  
*Ribes Grantii* Heller in Muhlenbergia, 4: 27 (1908).
- R. glutinosum** Benthham in Trans. Hort. Soc. Lond. 2, 1: 478 (1835).—Janczewski in op. cit. 318, fig. 55, 56 (1907).—Berger, Taxon. Rev. Curr. Gooseb. 54 (1924).  
*Ribes sanguineum* var. *glutinosum* Loudon, Arb. Brit. 2: 988, fig. 740 (1838).  
*Ribes glutinosum* var. *melanocarpum* Greene, Man. Bot. San Francisco Bay, 124 (1894).  
*Ribes Santae Luciae* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 9 (Spec. Gen. Ribes, II.) (1906); in Mém. Soc. Phys. Hist. Nat. Genève, 35: 321, fig. 58 (1907) "*Santae-Luciae*".
- R. glutinosum** f. *albidum* (Paxt.), grad. nov.  
*Ribes albidum* Paxton in Paxton's Mag. Bot. 10: 55, t. (1843).—Lemaire in Fl. des Serr. 1: 17, t. (1845).  
*Ribes sanguineum* 2. *albidum* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 414 (1864).—Witte, Flora Afbeeld. Beschrijv. 159, t. 40 (1868) "*R. s. a.*"  
*Ribes glutinosum* var. *albidum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 319, 489 (Monog. Groseill.) (1907), in textu; nom. subnud. (et in sched. in Herb. Arnold Arb.).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 299 (1940).
- R. Carrierei** (*R. glutinosum* f. *albidum* × *nigrum*) Schneider, Ill. Handb. Laubh. 1: 418 (1905).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 488, fig. 191 (Monog. Groseill.) (1907).  
*Ribes intermedium* Carrière in Rev. Hort. 1867: 125 (1867).—Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1904: 29, fig. 6 (Hybr. Groseill. 8) (1904).—Non Berchtold & Presl (1823), nec Tausch (1838).

- R. viscosissimum** Pursh, Fl. Am. Sept. 163 (1814). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 327, fig. 62 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 51 (1924), exclud. var.  $\beta$ .  
*Coreosma viscosissima* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 23 (1835).  
*Ribes viscosissimum* a. *Purshii* Janczewski in op. cit. 328 (1907).
- Sect. 9. CEROPHYLLUM (Spach) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 7, 11 (Spec. Gen. Ribes, 2) (1906); Monog. Groseill. 245 (1907).  
*Cerophyllum* Spach, Hist. Nat. Vég. Phan. **6**: 152 (1838).  
*Ribes* sect. *Ribes* § 1. *Nigra* c. *Tubulosa* Engler in Nat. Pflanzenfam. III. **2a**: 91 [1890], quoad *R. cereum*.  
*Ribes* subgen. *Calobotrya* ser. *Cerophylla* Berger, Taxon. Rev. Curr. Gooseb. 42 (1924).
- R. cereum** Douglas in Trans. Hort. Soc. Lond. **7**: 512 (1830). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 336, fig. 68 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 60 (1924).  
*Cerophyllum Douglasii* Spach, Hist. Nat. Vég. Phan. **6**: 153 (1838).  
*Ribes balsamiferum* Kellogg in Proc. Calif. Acad. Sci. **2**: 94 (1861).  
*Ribes cereum* a. *farinosum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 338 (Monog. Groseill.) (1907).
- R. cereum** var. *viridescens* Janczewski, l. c. (1907) " $\beta$ ." — Jepson, Fl. Calif. **2**: 147 (1936).  
*Ribes cereum* f. *viridifolium* Zabel in Beissner et al., Handb. Laubh.-Ben. 140 (1903), nom.
- R. cereum** var. *glanduligerum* Berger, Taxon. Rev. Curr. Gooseb. 61 (1924).
- R. inebrians** Lindley in Bot. Reg. **17**: t. 1471 (1832). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 335, fig. 67 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 59 (1924).  
*Cerophyllum inebrians* Spach, Hist. Nat. Vég. Phan. **6**: 154 (1838).  
*Ribes pumilum* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 551 (1838). — Nuttall ex Rydberg, Fl. Colo. 177 (1906).  
*Ribes cereum* sensu Britton & Brown, Ill. Fl. N. U. S. **2**: 191, fig. 1876 (1897), non Douglas (1830).  
*Ribes Churchillii* Nelson & Kennedy in Proc. Biol. Soc. Washington, **19**: 36 (1906).  
*Ribes inebrians* a. *majus* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 336 (Monog. Groseill.) (1907).
- R. inebrians** var. *Spaethianum* (Koehne) Janczewski, l. c. fig. 67 (1907) " $\gamma$ ." — Berger, Taxon. Rev. Curr. Gooseb. 60 (1924).  
*Ribes Spaethianum* Koehne in Gartenfl. **48**: 338 (1899).  
*Ribes inebrians* var. *minus* Schneider, Ill. Handb. Laubh. **1**: 420 (1905); **2**: 953 (1912), nom.
- R. Spachii** (*R. cereum*  $\times$  *inebrians*) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1904**: 30 (Hybr. Groseill. 9) (1904).
- R. mescaleirum** Coville in Proc. Biol. Soc. Washington, **13**: 196 (1900). — Berger, Taxon. Rev. Curr. Gooseb. 61 (1924).  
*Ribes inebrians*  $\beta$ . *mescaleirum* Janczewski in Mém. Soc. Phys. Nat. Hist. Genève, **35**: 336 (Monog. Groseill.) (1907).
- Sect. 10. BOTRYCARPUM A. Richard, Bot. Méd. **2**: 490 (1823) "*R. III. B.*" — G. Kunze in A. Richard, Mediz. Bot. **2**: 805 (1826) "*Botryocarpum*". — Engler in Nat. Pflanzenfam. III. **2a**: 91 [1890] "*Botryocarpium*", pro syn.  
*Coreosma* Spach in Ann. Sci. Nat. Bot. sér. 2, **4**: 22 (1835), p. p. typ.  
*Ribes* subgen. *Ribes* ser. a. *Nigra* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 252 (in Mém. Biol. **9**: 220. 1873) (1874). — Koehne, Deutsche Dendr. 193 (1893) "sect. *R.* subsect. *N.*", p. p.  
*Ribes* sect. *Ribes* § 1. *Nigra* A. *Pelviiformia* et B. *Campanulata* Engler in Nat. Pflanzenfam. III. **2a**: 91 [1890].  
*Ribes* subgen. *Coreosma* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1903**: 240 (Essai Disp. Nat. Ribes, 9) (1903); Monog. Groseill. 245 (1907), p. p. typ. — Berger, Taxon. Rev. Curr. Gooseb. 29 (1924).  
*Ribes* sect. *Eucoreosma* Janczewski in Bull. Intern. Acad. Sci. Cracovie, **1906**: 7, 11 (Spec. Gen. Ribes, 2) (1906).  
*Ribes* sect. *Eucoreosma* ser. *Nigra*, ser. *Dikuscha*, ser. *Procumbentia*, ser. *Fragrantia* Poiarkova in Act. Inst. Bot. Acad. Sci. U. R. S. S. ser. I, **2**: 184–196 (1936); in Komarov, Fl. S. S. S. R. **9**: 247–256 (1939) "*Nigrae, Dikuschae, Procumbentes, Fragrantes*".  
*Ribes III. Hudsoniana* Abrams, Ill. Fl. Pacif. St. **2**: 389 (1944).
- R. bracteosum** Douglas ex Hooker, Fl. Bor.-Am. **1**: 233 [1834]. — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 338 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 34 (1924).  
*Ribes bracteosum*  $\beta$ . *viridiflorum* Janczewski in op. cit. 339, fig. 69 (1907).
- R. fuscescens** (*R. bracteosum*  $\times$  *nigrum*) (Jancz.) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1909**: 71, fig. 7 (Esp. Hybr. Nouv.) (1909). — Berger, Taxon. Rev. Curr. Gooseb. 35 (1924).  
*Ribes bracteosum* a. *fuscescens* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 339 (Monog. Groseill.) (1907).
- R. japonicum** Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 253 (in Mém. Biol. **9**: 221. 1873) (1874). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 340, fig. 71 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 38 (1924).
- R. hudsonianum** Richardson in J. Franklin, Narr. Jour. Polar Sea, Bot. App. ed. 2, 374 (repr. Bot. App. 6) (1823). — Janczewski in op. cit. 345, fig. 76 (1907). — Berger in op. cit. 36 (1924).  
*Ribes hudsonianum* a. *canadense* Janczewski in op. cit. 346 (1907).
- R. Saundersii** (*R. hudsonianum*  $\times$  *nigrum*) Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 293 (Spec. Gen. Ribes, **3**: 14) (1906); Monog. Groseill. 487, fig. 190 (1907). — Berger, Taxon. Rev. Curr. Gooseb. 37 (1924).
- R. petiolare** Douglas in Trans. Hort. Soc. Lond. **7**: 514 (1830). — Berger, Taxon. Rev. Curr. Gooseb. 35 (1924).  
*Ribes hudsonianum*  $\beta$ . *petiolare* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 346 (Monog. Groseill.) (1907).  
*R. Dikuscha* Fischer ex Turczaninov in Bull. Soc. Nat. Moscou, **17**: 254 (1844); Fl. Baical.-Dahur. **1**: 445 (1845). — Janczewski in op. cit. 344, fig. 75 (1907). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 254, t. 14, fig. 5 (1939).

**Ribes petiolare** (continued)

*Ribes appendiculatum* Krylof in Sched. Herb. Fl. Ross. **6**: 128 (1908).

**R. fragrans** Pallas in Nov. Act. Acad. Sci. Petrop. **10**, 1 (Hist.): 238 (1797); **10**, 2 (Math.-Phys.) 379, t. 9 (1797; exhib. Mai 1795). — Janczewski in op. cit. 343, fig. 74 (1907). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 256 (1939).

*Ribes pneobalsamum* Sievers in Neue Nord. Beytr. **7**: 218 (1796), nom. — Sievers ex Pallas, l. c. (1797), pro syn. *Ribes graveolens* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 535 (Verz. Altai. Pfl. 12) (1835); Verz. Altai. Pfl. Suppl. Fl. Altai. **19** (1836). — Poiarkova, l. c. (1939).

*Ribes suaveolens* Turczaninow in Bull. Soc. Nat. Moscou, **17**: 256 (Fl. Baical.-Dahur. **1**: 447) (1844), pro syn.

*Ribes fragrans* a. *glabrum* et *β. infracanum* Ledebour, Fl. Ross. **2**, 1: 197 [1843].

**R. procumbens** Pallas, Fl. Ross. **1**, 2: 35, t. 65 (1788). — Nakai, Fl. Sylv. Kor. **15**: 40, t. 7 (1926). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 255, t. 4, fig. 6 (1939).

**R. americanum** Miller, Gard. Dict. ed. 8, R. no. 4 (1768). — Berger, Taxon. Rev. Curr. Gooseb. **33** (1924).

*Ribes floridum* L'Héritier, Stirp. Nov. **4** (1785). — Janczewski, Monog. Groseill. **350**, fig. 81, 82 (1907).

*Ribes nigrum pennsylvanicum* Marshall, Arbust. Am. **132** (1785).

*Ribes americanum nigrum* Moench, Verz. Ausl. Bäume Weissenst. **104** (1785).

*Ribes pensylvanicum* Lamarck, Encycl. Méth. Bot. **3**: 49 (1789).

*Ribes campanulatum* Moench, Meth. Pl. **683**, t. 6 (1795).

*Ribes recurvatum* Michaux, Fl. Bor.-Am. **1**: 109 (1803).

*Coreosma florida* Spach in Ann. Sci. Nat. Bot. sér. **2**, **4**: 22 (1835).

*Ribes intermedium* Tausch in Flora, **21**: 720 (1838), non Berchtold & Presl (1823).

*Ribes floridum* var. *grandiflorum* et var. *parviflorum* Loudon, Arb. Brit. **2**: 986 (1838).

*Ribes missouriense* Hort. ex Bean, Trees Shrubs Brit. Isl. **2**: 398 (1914), pro syn.; non Torrey & Gray (1840).

*Coreosma americana* Nieuwland in Am. Midland Nat. **4**: 60 (1915).

*Ribes americanum* var. *intermedium* (Tausch) Janczewski ex Berger, Taxon. Rev. Curr. Gooseb. **33** (1924).

**R. nigrum** Linnaeus, Sp. Pl. **201** (1753). — Janczewski in Mém. Phys. Hist. Nat. Genève, **35**: 347 (Monog. Groseill.) (1907). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 252, t. 14, fig. 4 (1939).

*Ribes olidum* Moench, Meth. Pl. **683** (1794).

?*Ribes intermedium* Berchtold & Presl, Pfl. Rostl. **1**: sign. 122, p. 3, t. 78, 3 (1823).

*Botrycarpum nigrum* A. Richard, Bot. Médic. **2**: 490 (1823), sphalm. "*Botrycarpum*"; pro syn.

*Grossularia nigra* Ruprecht, Fl. Ingr. **1**: 418 (1860).

*Ribes nigrum* a. *europaeum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 348, fig. 77 (Monog. Groseill.) (1907).

**R. nigrum** f. *marmoratum* (Mouillef.), grad. nov.

?*Ribes nigrum* 2b. *variegatum* Kuntze, Taschen-Fl. Leipzig, **237** (1867).

*Ribes nigrum* var. *reticulatum aureum* [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 235 (1894), nom.

*Ribes nigrum* (var.) *marmoratum* Mouillefert, Traité Arb. Arbriss. **846** [1895].

*Ribes nigrum* var. *reticulatum* Bean, Trees Shrubs Brit. Isl. **2**: 405 (1914). — Nicholson ex Rehder, Man. Cult. Trees Shrubs, **306** (1927).

**R. nigrum** f. *heterophyllum* (Pepin), grad. nov.

*Ribes nigrum heterophyllum* Pepin in Rev. Hort. **1846**: 124 (1846).

*Ribes nigrum* (f.) *aconitifolium* Kirchner in Petzold & Kirchner, Arb. Muscav. **412** (1864).

*Ribes nigrum* 1b. *laciniatum* Kuntze, Taschen-Fl. Leipzig, **237** (1867). — Carrière in Rev. Hort. **1869**: 339, fig. 73 (1869). — Bean, Trees Shrubs Brit. Isl. **2**: 405 (1914) "var."

*Ribes aconitifolium* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, **2**: 233 (1894), pro syn.

**R. nigrum** f. *apiifolium* Kirchner in Petzold & Kirchner, Arb. Muscav. **412** (1864) "(f.)".

*Ribes nigrum dissectum* [Nicholson in] Kew Hand-list Trees Shrubs, **1**: 233 (1894), nom. — Bean, Trees Shrubs Brit. Isl. **2**: 405 (1914).

**R. nigrum** f. *xanthocarpum* (Späth), grad. nov.

*Ribes nigrum* (f.) *fructu luteo* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. **412** (1864), nom.

*Ribes nigrum xanthocarpum* Späth, [Kat.] **167**: 122 (1915). — Rehder in Bailey, Stand. Cycl. Hort. **5**: 2959 (1916) "var."

**R. nigrum** f. *chlorocarpum* (Späth), grad. nov.

*Ribes nigrum* fr. *viridi* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. **412** (1864).

*Ribes nigrum* var. Regel in Gartenfl. **16**: 355, t. 562, fig. 62 (1867).

*Ribes nigrum chlorocarpum* Späth, [Kat.] **167**: 122 (1915). — Rehder in Bailey, Stand. Cycl. Hort. **5**: 2959 (1916) "var."

**R. Culverwellii** [*R. nigrum* × *uva-crispa*] Macfarlane in Trans. Roy. Soc. Hort. Edinb. **37**: 203 (1892) "*R. nigrum* ♀ × *Grossularia reclinata*". — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 493 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. **32** (1924).

*Ribes Schneideri* Maurer ex Koehne in Gartenfl. **51**: 409 (1902) "*R. Grossularia* ♀ × *nigrum*". — Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1904**: 28 (Hybr. Groseill. **2**: 7) (1904).

**R. ussuriense** Janczewski in op. cit. **1906**: 12 (1906); Monog. Groseill. **349**, fig. 79, 80 (1907). — Nakai, Fl. Sylv. Kor. **15**: 39, t. 6 (1926).

Sect. 11. HERITIERA Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 7 (Spec. Gen. Ribes, **2**) (1906); in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 493 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. **5**, 62 (1924) "subgen."

*Ribes* v. *Prostrata* Abrams, Ill. Fl. Pacif. St. **2**: 389 (1944).

**R. glandulosum** Grauer in G. H. Weber, Pl. Min. Cogn. Dec. **2** (1784). — Britton & Brown, Ill. Fl. N. U. S. ed. **2**, **2**: 238, fig. 2201 (1900). — Berger, Taxon. Rev. Curr. Gooseb. **64** (1924).

*Ribes prostratum* L'Héritier, Stirp. Nov. **3**, t. 2 1785. — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 307, fig. 46, 47 (Monog. Groseill.) (1907).

*Ribes rigens* Michaux, Fl. Bor.-Am. **1**: 110 (1803).

*Ribes trifidum* Michaux, l. c. (1803).

*Coreosma prostrata* (L'Hérit.) Lunell in Am. Midland Nat. **4**: 415 (1916).



- R. laxiflorum** Pursh, Fl. Am. Sept. 2: 731 (1814).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 306, fig. 45 (Monog. Groseill.) (1907); in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.) 1913: 726, fig. 7, 9 (1913), exclud. var. *coloradense*.—Berger, Taxon. Rev. Curr. Gooseb. 63 (1924).
- Ribes americanum* sensu Pallas, Fl. Ross. 1,2: 34 (1788), non Miller (1768).
- Ribes affine* Douglas ex Bongard in Mém. Sci. Math. Phys. Nat. Acad. Sci. St. Pétersb. sér. 6, 2: 138 (Obs. Vég. Sitcha, 20. 1832) (1833).
- Ribes prostratum* var. *laxiflorum* Loudon, Arb. Brit. 2: 981 (1838).
- R. coloradense** Coville in Proc. Biol. Soc. Wash. 14: 3 (1901).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 309, fig. 48 (Monog. Groseill.) (1907).
- Ribes laxiflorum* var. *coloradense* (Coville) Janczewski in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B(Sci. Nat.), 1913: 728, fig. 8 (1913).—Berger, Taxon. Rev. Curr. Gooseb. 64 (1924).
- Sect. 12. **RIBES** A. Richard, Bot. Méd. 2: 489 (1823) “*R. II. R.*”
- Ribes* sect. *Ribes* Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, 3,2: 56 (Mém. Grossul.) (1826), p. p.—Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1903: 236 (Essai Disp. Nat. Ribes, 5) (1903) “subgen.”
- Ribes* subgen. *Ribes* ser. b. *Rubra* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 255 (in Mém. Biol. 9: 225. 1873) (1874).—Engler in Nat. Pflanzenfam. III. 2a: 92 [1890] “sect. *R. 3. Rubra*”.—Koehe, Deutsche Dendr. 193 (1893) “sect. *R. subsect. Rubra*”.—Abrams, Ill. Fl. Pacif. St. 2: 389 (1944) “*Ribes* iv. *Rubra*”.
- Ribes* sect. *Euribes* Gruppe *Rubra* Untergr. *Eurubra* Zabel in Beissner et al., Handb. Laubh.-Ben. 142 (1903), nom. subnud.
- Ribes* sect. *Ribes* ser. *Vulgaria*, ser. *Multiflora*, ser. *Rubra*, ser. *Meyeriana*, ser. *Petraea* Poiarkova in Act. Inst. Bot. Acad. Sci. U. R. S. S. Ser. I, 2: 162–176 (1936); in Komarov, Fl. S. S. S. R. 9: 232–242 (1939) “*Vulgares*, *Multiflorae*, *Rubrae*, *Meyerianae*, *Petraeae*”.
- R. rubrum** Linnaeus, Sp. Pl. 200 (1753), p. p.—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève 35: 287, fig. 27 (Monog. Groseill.) (1907).—Berger, Taxon. Rev. Curr. Gooseb. 14 (1924).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 237, t. 13, fig. 3 (1939).
- Ribes vulgare* a. *sylvestre* Lamarck, Encycl. Méth. Bot. 3: 47 (1789).
- Ribes spicatum* Robson in Trans. Linn. Soc. Lond. 3: 240, t. 21 (1797).—Mansfeld in Repert. Sp. Nov. Reg. Veg. 46: 287 (1939).
- Ribes rubrum* a. *sylvestre* De Candolle ex Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, 3,2: 59 (1826), nom.—Reichenbach, Fl. Germ. Excurs. 2: 562 (1832).
- Ribes sylvestre* Syme, Engl. Bot. ed. 3, 4: 43, t. 522 (1865), non Mertens & Koch (1826).
- Ribes scandicum* Hedlund in Bot. Notis. 1901: 100 (1901).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 240 (1939).
- Ribes rubrum* a. *scandicum* (Hedl.) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 289, fig. 28 (Monog. Groseill.) (1907).
- R. rubrum** var. *pubescens* [Hedl.] Janczewski, l. c. (1907), p. p.
- Ribes rubrum* var. *pubescens* Swartz, Summa Veg. Scand. (1844), nom.
- Grossularia rubra* Ruprecht, Fl. Ingr. 419 (1860).
- Ribes Schlechtendalii* Lange in Index Sem. Hort. Haun. 1870: 31 (1870), p. p.
- Ribes pubescens* Hedlund in Bot. Notis. 1901: 100 (1901).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 239, t. 13, fig. 4 (1939).
- R. Houghtonianum** [*R. rubrum* × *sativum*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1901: 296 (Hybr. Groseill.) (1901); 1904: 23 (Hybr. Groseill. 2) (1904); Monog. Groseill. 478, fig. 181 (1907) “*R. rubrum* × *vulgare*”.—Berger, Taxon. Rev. Curr. Gooseb. 15 (1924).
- R. holosericeum** [*R. petraeum* var. *caucasicum* × *rubrum*] Otto & Dietrich in Allgem. Gartenzeit. 10: 266 (1842).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 483, fig. 185 (Monog. Groseill.) (1907).
- R. holosericeum** var. *pallidum* (Otto & Dietr.) Rehder in Jour. Arnold Arb. 1: 255 (1920) “*R. rubrum* × *petraeum* var. *bullatum*”.
- Ribes pallidum* Otto & Dietrich in Allg. Gartenzeit. 10: 268 (1842).—Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1901: 298 (1901); Monog. Groseill. 480, fig. 183 (1907).—Berger, Taxon. Rev. Curr. Gooseb. 18 (1924).
- R. Warszewiczii** Janczewski in Vilmorin & Bois, Frutic. Vilmor. 133, fig. (1904); Monog. Groseill. 284, fig. 25, 26 (1907).—Berger, op. cit. 13 (1924).
- R. sativum** (Reichenb.) Syme, Engl. Bot. ed. 3, 4: 42, t. 520 (1865).—Berger, op. cit. 7 (1924).
- Ribes rubrum* Linnaeus, Sp. Pl. 200 (1753), p. p.—Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 3: R. no. 1, t. 23, fasc. 4 [1807].—Loudon, Arb. Brit. 2: 977 (1838) et auct. plur.—Non Linnaeus p. p. typ. *Grossularia rubra* Scopoli, Fl. Carniol. ed. 2, 1: 167 (1772).—Ruprecht, Fl. Ingr. 1: 418 (1860).
- Ribes vulgare* Lamarck, Encycl. Méth. Bot. 3: 48 (1789), quoad var. *β. hortense*.—Schneider, Ill. Handb. Laubh. 1: 401, fig. 258a–b, 259a–h, 269g–k (1906).—Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 276, fig. 18–19 (Monog. Groseill.) (1907).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 233, t. 13, fig. 6 (1939).
- Ribes pendulum* Salisbury, Prodr. Stirp. Chap. Allert. 355 (1796).
- Ribes officinarum* Dumont de Courset, Bot. Cult. 3: 225 (1802).
- Ribes sylvestre* Mertens & Koch in Röhlings, Deutschl. Fl. ed. rev., 2: 249 (1826).—Hedlund in Bot. Notis. 1901: 92 (1901) “*sylvestre*”.—Mansfeld in Repert. Sp. Nov. Reg. Veg. 46: 286 (1939).
- Ribes rubrum* *β. hortense* DC. ex Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, 3,2: 59 (1826), nom.
- Ribes album* et *R. carneum* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 3: R. no. 2, 3, t. 221, 222, fasc. 37 [1827].
- Ribes rubrum* var. *sativum* Reichenbach, Fl. Germ. Excurs. 562 (1832).
- Ribes racemosa* Fructu albo Poit. & Turpin ex Poiteau, Pomol. Franç. 3: R. no. 2, p. 9, t. 221 (18[38–]46).—Durand & B. D. Jackson, Index Kew. Suppl. 1: 486 (1906) “*R. racemosum*”.
- Ribes domesticum* Janczewski in Compt. Rend. Acad. Sci. Paris, 130: 589 (1900).
- Ribes hortense* Hedlund in Bot. Notis. 1901: 92 (1901).
- R. sativum** f. *variegatum* (West.) Rehder in Jour. Arnold Arb. 6: 208 (1925); Man. Cult. Trees Shrubs, 308 (1927) “var.”

**Ribes sativum f. variegatum** (continued)

*Ribes rubrum* 3. *variegatum* Weston, Bot. Univ. 1: 244 (1770).

*Ribes rubrum* (f.) *aureo-marginatum* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 143 (1903), nom.

*Ribes vulgare* f. *variegatum* (West.) Rehder in Jour. Arnold Arb. 1: 254 (1920).

**R. sativum f. macrocarpum** (Jancz.), grad. nov.

*Ribes macrocarpum* Janczewski in Compt. Rend. Acad. Sci. Paris, 130: 588 (1900).

*Ribes vulgare* var. *macrocarpum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 279, fig. 22, 23 (Monog. Groseill.) (1907).

*Ribes sativum* var. *macrocarpum* Bailey in Gent. Herb. 1: 134 (1923).

**R. Gonduini** [*R. petraeum* × *sativum*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1901: 298 (1901); Monog. Groseill. 484, fig. 186, 187 (1907) "*R. petraeum* a. *bullatum* × *vulgare*".**R. Koehneanum** [*R. multiflorum* × *sativum*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1904: 25, fig. 3 (Hybr. Groseill. 4) (1904); Monog. Groseill. 485, fig. 188 (1907) "*R. multiflorum* × *vulgare*".**R. futurum** [*R. sativum* ♀ × *Warszewiczii* ♂] Janczewski in op. cit. 1904: 292 (1904); op. cit. 478 (1907) "*R. vulgare macrocarpum* × *Warszewiczii*".**R. recens** [*R. holosericeum* ♀ × *sativum* ♂] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1909: 66, fig. 5 (1909) "*R. holosericeum* ♀ × *vulgare* ♂".**R. triste** Pallas in Nov. Act. Acad. Sci. Petrop. 10,1 (Hist.): 238 (1797); 10,2 (Math.-Phys.): 378 (1797). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 283, fig. 24 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 9 (1924). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 232, t. 13, fig. 5 (1939).

*Ribes melancholicum* Sievers ex Pallas, l. c. (1797), pro syn.

*Ribes albinervium* Michaux, Fl. Bor.-Am. 1: 110 (1803).

*Ribes rubrum* sensu Torrey & Gray, Fl. N. Am. 1: 550 (1840), non Linnaeus (1753).

*Ribes propinquum* Turczaninov in Bull. Soc. Nat. Moscou, 13: 70 (1840).

*Ribes rubrum* β. *propinquum* Trautvetter & Meyer in Middendorff, Reise Sibir. 1,2,2: 40 (1856).

*Ribes rubrum* γ. *subglandulosum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 261 (in Mém. Biol. 9: 234. 1873) (1874).

*Ribes rubrum* δ. *bracteosum* Maximowicz in op. cit. 262 (in op. cit. 234. 1873) (1874).

*Ribes petraeum* var. *mongolicum* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 6: 7 (1883).

*Ribes ciliosum* Howell, Fl. N. W. Am. 1: 208 (1898).

*Ribes migratorium* Suksdorf in Deutsch. Bot. Monatsschr. 18: 86 (1900).

*Ribes triste* var. *albinervium* (Michx.) Fernald in Rhodora, 9: 4 (1907).

*Coreosma tristis* Lunell in Am. Midland Nat. 4: 415 (1916).

**R. triste** var. *alaskanum* Berger, Taxon. Rev. Curr. Gooseb. 10 (1924).**R. multiflorum** Kitaibel ex Roemer & Schultes, Syst. Veg. 5: 493 (1819). — Janczewski in Mém. Soc. Phys. Hist.

Nat. Genève, 35: 273, fig. 15, 16 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 11 (1924).

*Ribes vitifolium* Host, Fl. Austr. 1: 308 (1827).

*Ribes spicatum* Visiani, Fl. Dalmat. 3: 142 (1852), non Robson (1797).

**R. urceolatum** [*R. multiflorum* × *petraeum*] Tausch in Flora, 21: 720 (1838). — Janczewski, op. cit. 486, fig. 189 (1907). — Berger, Taxon. Rev. Curr. Gooseb. 12 (1924).

*Ribes multiflorum* β. *urceolatum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 258 (in Mém. Biol. 9: 229. 1873) (1874).

**R. mandshuricum** (Maxim.) Komarov in Act. Hort. Petrop. 22: 437 (Fl. Mansh.) (1904) "*mandshuricum*". — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 274, fig. 17 (1907). — Rehder in Jour. Arnold Arb. 5: 161 (1924). — Nakai, Fl. Sylv. Kor. 15: 42, t. 8 (1926). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 234 (1939) "*mandshuricum*".

*Ribes multiflorum* γ. *mandshuricum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 258 (in Mém. Biol. 9: 229. 1873) (1874).

*Ribes petraeum* var. *mongolica* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 6: 7 (Pl. David. 1: 127. 1884) (1883).

*Ribes multiflorum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 279 (1887), non Roemer & Schultes (1819).

*Ribes petraeum* sensu Hemsley in op. cit. 280 (1887), non Wulfen (1781).

**R. petraeum** Wulfen in Jacquin, Misc. Austr. 2: 36 (1781). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 290 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 16 (1924).

*Ribes bullatum* Otto & Dietrich in Allg. Gartenzeit. 10: 267 (1842).

*Ribes rigens* Kirchner in Gartenfl. 15: 50 (1866). — K. Koch, Dendr. 1: 654 (1869), pro syn. — Non Michaux (1803).

*Ribes petraeum* a. *bullatum* (Otto & Dietr.) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 293, fig. 29, 30 (Monog. Groseill.) (1907).

*Ribes petraeum* f. *alpina* Berger, Taxon. Rev. Curr. Gooseb. 16 (1924).

**R. petraeum** var. *carpathicum* (Schultes) Schneider, Ill. Handb. Laubh. 1: 403 (1905). — Janczewski, l. c. (1907) "β." — Berger, Taxon. Rev. Curr. Gooseb. 16 (1924) "f. *carpathica*".

*Ribes carpathicum* Kitaibel ex J. A. Schultes, Oester. Fl. ed. 2, 1: 432 (1814), nom. tentat.

**R. petraeum** var. *Biebersteinii* (Berland.) Schneider, Ill. Handb. Laubh. 1: 404 (1905).

*Ribes caucasicum* Bieberstein, Fl. Taur.-Cauc. 2: 160 (1819), non Roemer & Schultes (1819).

*Ribes Biebersteinii* Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, 3,2: 60 (1826). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 245 (1939).

*Ribes petraeum* γ. *caucasicum* (Bieberst.) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 293 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. 17 (1924) "var.".

*Ribes macrobotrys* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 5: 2959 (1916), pro syn.

**R. petraeum** var. *atropurpureum* (C. A. Mey.) Schneider, Ill. Handb. Laubh. 1: 404 (1905). — Janczewski in

- Mém. Soc. Phys. Hist. Nat. Genève, **35**: 293 (Monog. Groseill.) (1907) "8."; in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1913**: 720, fig. 2a, b (1913).
- Ribes atropurpureum* C. A. Meyer in Ledebour, Fl. Alt. **1**: 268 (1829), p. p. — Ledebour, Icon. Fl. Ross. **3**: 10, t. 231 (1831). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 244 (1939).
- R. petraeum** var. **altissimum** (Turcz.) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 294 (Monog. Groseill.) (1907) "8."; in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1913**: 721, fig. 3 (1913).
- Ribes altissimum* Turczaninov ex Ledebour, Fl. Ross. **2**: 199 [1843], pro syn.
- R. petraeum** var. **tomentosum** Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 118 (Prim. Fl. Amur.) (1859) "tomentosa"; in Bull. Acad. Sci. St. Pétersb. **19**: 260 (in Mém. Biol. **9**: 231. 1873) (1874) "β. tomentosum", p. p. — Janczewski in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1913**: 721, fig. 4 (1913) "η." — Berger, Taxon. Rev. Curr. Gooseb. **18** (1924).
- R. latifolium** Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 4 (Spec. Gen. Ribes, **2**) (1906), p. p.; in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1913**: 723, fig. 5 (1913), sensu stricto; Monog. Groseill. **294**, fig. 31 (1907), p. p. — Berger, Taxon. Rev. Curr. Gooseb. **20** (1924). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 242 (1939).
- Ribes petraeum* β. *tomentosum* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 260 (in Mém. Biol. **9**: 231. 1873) (1874), p. p.
- R. emodense** Rehder in Jour. Arnold Arb. **5**: 161 (Oct. 1924). — Berger, Taxon. Rev. Curr. Gooseb. **19** (Dec. 1924).
- Ribes rubrum* sensu Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. **2**: 89 (1858). — Hooker f., Fl. Brit. Ind. **2**: 411 (1878). — Non Linnaeus (1753).
- Ribes himalayense* sensu Decaisne in Jacquemont Voy. Inde, **4** (Bot.): 66, t. 77 (1844) "himalayense" in t. — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 296 (Monog. Groseill.) (1907) "himalayense". — Non *R. himalayense* Royle (1839).
- Ribes Meyeri* sensu Schneider, Ill. Handb. Laubh. **1**: 403 (1905), p. p.; non Maximowicz (1874).
- Ribes himalayense* β. *appendiculatum* Janczewski, in op. cit. **297**, fig. 32c (1907); in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1910**: 69 (1910).
- Ribes emodense* var. *appendiculatum* (Jancz.) Berger, Taxon. Rev. Curr. Gooseb. **20** (1924).
- R. emodense** var. **urceolatum** (Jancz.) Rehder in Jour. Arnold Arb. **5**: 161 (1924). — Berger, l. c. **20** (1924).
- Ribes himalayense* α. *Decaisnei* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 297, fig. 32a, b (Monog. Groseill.) (1907), p. p.
- Ribes himalayense* γ. *urceolatum* Janczewski in op. cit. (1907); in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1910**: 69 (1910).
- R. emodense** var. **verruculosum** Rehder in Jour. Arnold Arb. **5**: 162 (1924).
- R. Meyeri** Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 260 (in Mém. Biol. **9**: 232. 1873) (1874). — Schneider, Ill. Handb. Laubh. **1**: 403 (1905), exclud. syn. — Berger, Taxon. Rev. Curr. Gooseb. **21** (1924). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 241 (1939).
- Ribes Meyeri* α. *tanguticum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 299, fig. 34, 35 (Monog. Groseill.) (1907).
- R. Meyeri** var. **turkestanicum** Janczewski, l. c. (1907); in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1913**: 724, fig. 6a-c (1913) "β."
- R. moupinense** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 238 (Pl. David. **2**: 56. 1888) [1886]. — Janczewski in op. cit. **299**, fig. 36 (1907). — Berger, Taxon. Rev. Curr. Gooseb. **21** (1924).
- Ribes tripartitum* Batalin in Act. Hort. Petrop. **11**: 488 (1891).
- Ribes moupinense* α. *lobatum* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 300 (Monog. Groseill.) (1907).
- Ribes moupinense* β. *tripartitum* (Batal.) Janczewski, l. c. (1907).
- R. longeracemosum** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 238 (Pl. David. **2**: 56. 1888) [1886]. — Janczewski in op. cit. **301**, fig. 38 (1907). — Berger, Taxon. Rev. Curr. Gooseb. **23** (1924).
- Ribes longeracemosum* α. *Davidii* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), **1910**: 71 (1910).
- R. longeracemosum** var. **Wilsonii** Janczewski, l. c. (1910).
- Subgen. III. GROSSULARIOIDES Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1903**: 238 (Essai Disp. Nat. Ribes, **7**) (1903).
- Ribes* subgen. *Ribes* ser. 6. *Rubra* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 255 (in Mém. Biol. **9**: 225. 1873) (1874). — Engler in Nat. Pflanzenfam. III. **2a**: 92 [1890] "sect. R. 3. *Rubra*"; p. p.
- Ribes* sect. *Euribes* Gruppe *Rubra* Untergr. 1. *Echinata* Zabel in Beissner et al., Handb. Laubh.-Ben. **141** (1903), nom. subnud.
- Ribes* [ser.] *Lacustris* Coville & Britton in N. Am. Fl. **22**: 193 (1908). — Abrams, Ill. Fl. Pacif. St. **2**: 389 (1944) "*R. i. L.*"
- Limnobotrya* Rydberg, Fl. Rocky Mts. **396**, 1062 (1917).
- Sect. 13. GROSSULARIOIDES (Jancz.) Rehder, Man. Cult. Trees Shrubs, **310** (1927).
- R. lacustre** (Pers.) Poiret, Encycl. Méth. Bot. Suppl. **2**: 856 (1811). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 352, fig. 83, 84 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. **66** (1924).
- Ribes oxyacanthoides* sensu Michaux, Fl. Bor.-Am. **1**: 111 (1803), non Linnaeus (1753).
- Ribes oxyacanthoides* β. *lacustris* Persoon, Syn. Pl. **1**: 252 (1805).
- ?*Ribes grossularioides* Michaux ex Steudel, Nomencl. Bot. **691** (1821), nom.
- Ribes echinatum* Douglas ex Lindley in Bot. Reg. **16**: t. 1349, p. [4] (1830); in Trans. Hort. Soc. Lond. **7**: 517 [1831].
- Limnobotrya lacustris* (Pers.) Rydberg, Fl. Rocky Mts. **396** (1917).
- Limnobotrya echinata* (Lindl.) Rydberg, l. c. (1917).
- R. lacustre** var. **parvulum** A. Gray in Brewer & Watson, Bot. Calif. **1**: 206 (1876).
- Ribes parvulum* Rydberg in Mem. New York Bot. Gard. **2**: 203 (1900).
- Limnobotrya parvula* Rydberg, Fl. Rocky Mts., **397** (1917).

**Ribes** (continued)

**R. horridum** Ruprecht ex Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 117 (Prim. Fl. Amur.) (1859). — Berger, Taxon. Rev. Curr. Gooseb. **67** (1924). — Nakai, Fl. Sylv. Kor. **15**: 45, t. 10 (1926).

*Ribes lacustre* var. *horridum* Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1903**: 238 (Essai Disp. Nat. Ribes, 7) (1903).

**R. montigenum** McClatchie in Erythea, **5**: 38 (1897). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 354, fig. 85, 86 (Monog. Groseill.) (1907). — Berger, Taxon. Rev. Curr. Gooseb. **68** (1924).

*Ribes lacustre* var. *molle* Gray in Brewer & Watson, Bot. Calif. **1**: 206 (1876).

*Ribes nubigenum* McClatchie in Erythea, **2**: 80 (1894), non Philippi (1857).

*Ribes lacustre* var. *lentum* M. E. Jones in Proc. Calif. Acad. Sci. ser. 2, **5**: 681 (1895).

*Ribes molle* Howell, Fl. N. W. Am. **1**: 209 (1898), non Poeppig (1858).

*Ribes lentum* Coville & Rose in Proc. Biol. Soc. Washington, **15**: 28 (1902).

*Limnobotrya montigena* Rydberg, Rocky Mtn. Fl. **397** (1917).

Subgen. iv. GROSSULARIA (Mill.) A. Richard, Bot. Méd. **2**: 488 (1823) "R. i. G." — Berlandier in De Candolle, Prodr. **3**: 478 (1828) "sect." — Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 240 (in Mém. Biol. **9**: 215. 1873) (1874), exclud. spec. nonn. — Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1903**: 238 (Essai Disp. Nat. Ribes, 7) (1903); Monog. Groseill. **248** (1907).

*Grossularia* Miller, Gard. Dict. Abridg. ed. 4, **1** (1754); Gard. Dict. ed. 7 (1768). — Coville & Britton in N. Am. Fl. **22**: 209 (1908). — Berger Taxon. Rev. Curr. Gooseb. **69** (1924).

*Oxyacanthus* Chevallier, Fl. Gén. Paris, **2**: 662 (1827).

*Grossularia* §. *Uva-crispa* Ruprecht, Fl. Ingr. **1**: 415 (1860).

Sect. 14. EUGROSSULARIA Engler in Nat. Pflanzenfam. III. **2a**: 89 (1890), exclud. spec. nonn. — Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 282, 284 (Spec. Gen. Ribes, **3**: 3, 5) (1906); Monog. Groseill. **251** (1907).

*Grossularia* subgen. III. *Lobbia*, Berger, Taxon. Rev. Curr. Gooseb. **69** (1924), p. p.

*Grossularia* subgen. iv. *Eugrossularia* Berger, l. c. (1924).

*Grossularia* I. *Divaricatae*, II. *Setosae*, III. *Microphyllae*, IV. *Watsonianae* Abrams, Ill. Fl. Pacif. St. **2**: 395 (1944).

**R. niveum** Lindley in Bot. Reg. **20**: t. 1692 (1834). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 393, fig. 114 (Monog. Groseill.) (1907).

*Grossularia nivea* Spach, Hist. Nat. Vég. Phan. **6**: 179 (1838). — Berger, Taxon. Rev. Curr. Gooseb. **94** (1924).

**R. robustum** [*R. inerme* × *niveum*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 287 (Spec. Gen. Ribes, **3**: 8) (1906); Monog. Groseill. **498**, fig. 199, 200 (1907) "*(R. n. × oxyacanthoides)*".

*Ribes robustum* [Nicholson] in Kew Hand-list Trees Shrubs, **1**: 235 (1894), nom.

*Grossularia robusta* (Jancz.) Berger, Taxon. Rev. Curr. Gooseb. **94** (1924).

**R. succirubrum** (*R. divaricatum* × *niveum*) Zabel ex Beissner in Mitt. Deutsch. Dendr. Ges. **1903** (12): 25

(1903), nom. — Zabel in Schneider, Ill. Handb. Laubh. **1**: 409 (1905), nom. subnud. — Zabel ex Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 287 (Spec. Gen. Ribes, **3**: 8) (1906); Monog. Groseill. **500**, fig. 201, 202 (1907).

*Ribes divaricatum* × *niveum* ♀ Zabel in Mitt. Deutsch. Dendr. Ges. **1895**(4): 39 (1895), nom.

*Grossularia succirubra* (Zabel) Berger, Taxon. Rev. Curr. Gooseb. **97** (1924).

**R. curvatum** Small in Bull. Torrey Bot. Club, **23**: 295 (1896). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 394, fig. 115 (Monog. Groseill.) (1907).

*Ribes gracile* sensu Torrey & Gray, Fl. N. Am. **1**: 546 (1840), non Michaux (1803).

*Grossularia curvata* Coville & Britton in N. Am. Fl. **22**: 221 (1908).

*Grossularia campestris* Small, Fl. Southeast. U. S. ed. 2, **510**, 1375 (1913).

**R. echinellum** (Coville) Rehder in Jour. Arnold Arb. **7**: 148 (1926).

*Grossularia echinella* Coville in Jour. Agric. Research, **28**: 71, t. 1 (1924). — Berger, Taxon. Rev. Curr. Gooseb. **96** (1924).

**R. missouriense** Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 548 (1840).

*Ribes gracile* sensu Britton & Brown, Ill. Fl. N. U. S. **2**: 188, fig. 1867 (1897); non Michaux (1803), nec Pursh (1814).

*Ribes rotundifolium* sensu Schneider, Ill. Handb. Laubh. **1**: 415 (1905); **2**: 951 (1912). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 392, fig. 113 (Monog. Groseill.) (1907). — Non Michaux (1803).

*Grossularia missouriensis* (Nutt.) Coville & Britton in N. Am. Fl. **22**: 221 (1908). — Berger, Taxon. Rev. Curr. Gooseb. **92** (1924).

**R. setosum** Lindley in Trans. Hort. Soc. Lond. **7**: 243 (1828); in Bot. Reg. **15**: t. 1237 (1829). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 382, fig. 107 (1907).

*Ribes saximontanum* E. Nelson in Bot. Gaz. **30**: 19 (1900).

*Ribes camporum* Blankinship in Montana Coll. Agric. Sci. Stud. **1**: 63 (1905).

*Grossularia setosa* (Lindl.) Coville & Britton in N. Am. Fl. **22**: 222 (1908). — Berger, Taxon. Rev. Curr. Gooseb. **100** (1924).

**R. cognatum** Greene in Pittonia, **3**: 115 (1896). — Card, Bush Fruits, 459 (1898).

*Ribes irriguum* sensu Card, Bush Fruits, 462, fig. 90 (1898), non Douglas (1831).

*Ribes palousense* Elmer ex Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 382 (Monog. Groseill.) (1908), pro syn.

*Grossularia cognata* Coville & Britton in N. Am. Fl. **22**: 222 (1908).

**R. oxyacanthoides** Linnaeus, Sp. Pl. **201** (1753). — Loudon, Arb. Brit. **2**: 968, fig. 715 (1838).

*Grossularia oxyacanthoides* Miller, Gard. Dict. ed. 8, *G.* no. 4 (1768). — Berger, Taxon. Rev. Curr. Gooseb. **106** (1924).

**R. irriguum** Douglas in Trans. Hort. Soc. Lond. **7**: 516 (1831).

*Ribes divaricatum* var. *irriguum* Gray in Am. Naturalist, **10**: 273 (1876); in Garden, **9**: 485 (1876).

*Ribes leucoderme* Heller in Bull. Torrey Bot. Club, **24**: 93 (1897).

- Ribes oxyacanthoides*  $\delta$ . *irriguum* (Dougl.) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 386 (Monog. Groseill.) (1907), p. p.  
*Grossularia irrigua* (Dougl.) Coville & Britton in N. Am. Fl. **22**: 222 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 101 (1924).
- R. non-scriptum** (Berg.) Standley in Field Mus. Nat. Hist. Pub. Bot. Ser. **8**: 140 (1930).  
*Grossularia non-scripta* Berger, Taxon. Rev. Curr. Gooseb. 107 (1924).
- R. hirtellum** Michaux, Fl. Bor.-Am. **1**: 111 (1803).  
*Ribes saxosum* Hooker, Fl. Bor.-Am. **1**: 231 [1834].  
*Ribes Cynobati*  $\gamma$ . Hooker, l. c. [1834].  
*Grossularia hirtella* Spach, Hist. Nat. Vég. Phan. **6**: 180 (1838). — Berger, Taxon. Rev. Curr. Gooseb. 102 (1924).  
*Ribes oxyacanthoides* sensu Hooker f. in Bot. Mag. **112**: t. 6892 (1886). — Britton & Brown, Ill. Fl. N. U. S. **2**: 189, fig. 1868 (1897). — Non Linnaeus (1753).  
*Ribes oxyacanthoides saxosum* Coville in Contrib. U. S. Nat. Herb. **4**: 100 (1893).  
*Ribes Huronense* Rydberg ex Britton, Man. Fl. N. U. S. 487 (1901).  
*Ribes gracile* sensu Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 388, fig. 111 (Monog. Groseill.) (1907), non Michaux (1803), nec Pursh (1814).
- R. rusticum** [*R. hirtellum*  $\times$  *uva-crispa*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 286 (Spec. Gen. Ribes, **3**: 7) (1906); Monog. Groseill. 495, fig. 106b (1907).  
*Grossularia rustica* (Jancz.) Berger, Taxon. Rev. Curr. Gooseb. 103 (1924).  
*Grossularia downingiana* Berger, l. c. (1924) "*G. hirtella*  $\times$  *reclinata*".
- R. arcuatum** [*R. hirtellum*  $\times$  *missouriense*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 287 (Spec. Gen. Ribes, **3**: 8) (1906); Monog. Groseill. 497, fig. 198 (1907) "*gracile*  $\times$  *rotundifolium*".
- R. rotundifolium** Michaux, Fl. Bor.-Am. **1**: 110 (1803). — Britton & Brown, Ill. Fl. N. U. S. **2**: 189, fig. 1869 (1897).  
*Ribes triflorum* Willdenow, Hort. Berol. Icon. t. 61 [1806]. — Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, **32**: 58, t. 1 (1826).  
*Ribes stamineum* Hornemann, Hort. Bot. Hafn. 237 (1813).  
*Ribes gracile* sensu Pursh, Fl. Am. Sept. 165 (1814), non Michaux (1803).  
*Grossularia triflora* Spach, Hist. Nat. Vég. Phan. **6**: 176 (1838).  
*Grossularia rotundifolia* (Michx.) Coville & Britton in N. Am. Fl. **22**: 223 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 98 (1924).
- R. divaricatum** Douglas in Trans. Hort. Soc. Lond. **7**: 515 (1831). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 390, fig. 112c (Monog. Groseill.) (1907).  
*Ribes Suksdorfii* Heller in Muhlenbergia, **3**: 11 (1907).  
*Ribes divaricatum*  $\beta$ . *glabriflorum* Koehne, Deutsche Dendr. 200 (1893).  
*Ribes divaricatum*  $\alpha$ . *Douglasii* Janczewski in op. cit. 391, fig. 112b (1907).  
*Grossularia divaricata* (Dougl.) Coville & Britton in N. Am. Fl. **22**: 224 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 96 (1924).
- R. divaricatum** var. *pubiflorum* Koehne, Deutsche Dendr. 200 (1893).  
*Ribes villosum* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 547 (1840), non Roxburgh (1824).  
*Ribes tomentosum* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **2**: 138 (1859).  
*Ribes divaricatum* (f.) *villosum* (Nutt.) Zabel in Beissner et al., Handb. Laubh.-Ben. 137 (1903). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 391, fig. 112b (Monog. Groseill.) (1907) "var.  $\beta$ ".
- R. innominatum** [*R. divaricatum*  $\times$  *uva-crispa*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. **1906**: 286 (Spec. Gen. Ribes, **3**: 7) (1906); Monog. Groseill. 496, fig. 197 (1907) "*R. divaricatum*  $\times$  *grossularia*".  
*Grossularia innominata* (Jancz.) Berger, Taxon. Rev. Curr. Gooseb. 110 (1924).
- R. gothoburgense** (*R. divaricatum*  $\times$  *stenocarpum*) Blom in Meddel. Götesb. Bot. Trädg. **6**: 89 (1931).
- R. inerme** Rydberg in Mem. New York Bot. Gard. **1**: 202 (1900).  
*Ribes hirtellum Purpusii* Koehne ex Späth, Kat. no. **104**: 119 (1899).  
*Ribes Purpusii* Koehne ex Blankinship in Montana Coll. Agric. Sci. Stud. **1**: 64 (1905). — Coville & Britton in N. Am. Fl. **22**: 224 (1908), pro syn.  
*Ribes vallicola* Greene, Fl. Colo. 176 (1906).  
*Ribes oxyacanthoides*  $\alpha$ . *nevadense* Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, **35**: 387, fig. 110e (Monog. Groseill.) (1907). — Schneider, Ill. Handb. Laubh. **2**: 950 (1912).  
*Ribes oxyacanthoides*  $\beta$ . *Purpusii* (Koehne) Janczewski in op. cit. 388, fig. 110a (1907).  
*Ribes oxyacanthoides*  $\gamma$ . *vagum* Janczewski in op. cit. 388, fig. 110b (1907).  
*Ribes oxyacanthoides*  $\delta$ . *irriguum* (Dougl.) Janczewski, l. c. fig. 110d (1907), non *R. irriguum* Dougl.
- R. uva-crispa** Linnaeus, Sp. Pl. 201 (1753). — Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, **32**: 58, t. 1 (1826). — Britton & Brown, Ill. Fl. N. U. S. **2**: 189, fig. 1870 (1897). — Becherer in Repert. Sp. Nov. Reg. Veg. **27**: 225 (1929). — Mansfeld in Repert. Sp. Nov. Reg. Veg. **46**: 287 (1939).  
*Grossularia uva-crispa* Miller, Gard. Dict., ed. 8, G. no. 3 (1768).  
*Ribes uva-crispa*  $\alpha$ . *sylvestris* De Candolle in Lamarck & De Candolle, Fl. Franç. **42**: 408 (1805).  
*Ribes Grossularia sylvatica* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., **3**: R. no. 2; t. 162, fig. A, fasc. 27 [181. ?].  
*Ribes viridi-minus* Poiteau & Turpin in op. cit. R. no. 3; t. 164-5, fig. 1, fasc. 28 [181. ?].  
*Ribes viridi-oblongum* Poiteau & Turpin in op. cit. R. no. 5; t. 164-5, fig. 2, fasc. 28 [181. ?].  
*Ribes viridi-majus* Poiteau & Turpin in op. cit. R. no. 4; t. 165, fasc. 28 [181. ?].  
*Ribes albicans* Poiteau & Turpin in op. cit., R. no. 7; t. 167-8, fig. 1, fasc. 28 [181. ?].  
*Ribes albo-viridis* Poiteau & Turpin in op. cit., R. no. 6; t. 167-8, fig. 2, fasc. 28 [181. ?] = *R. albo-virens* Poiteau (1846?).  
*Ribes flavescens* Poiteau & Turpin in op. cit., R. no. 8; t. 169, fasc. 29? [181. ?].  
*Ribes auriculatum* Poiteau & Turpin in op. cit., R. no. 10; t. 170-1, fig. 1, fasc. 29? [181. ?].

**Ribes uva-crispa** (*continued*)

- Ribes vulgatissimum* Poiteau & Turpin in op. cit., *R.* no. 11; t. 172, fasc. 29 [181. ?].
- Ribes virente-rotundum* Poiteau & Turpin op. cit., *R.* no. 12; t. 173-4, fig. 1, fasc. 29 [181. ?].
- Ribes virente-oblongum* Poiteau & Turpin in op. cit., *R.* no. 13; t. 173-4, fig. 2, fasc. 29 [181. ?].
- Ribes succineum* Poiteau & Turpin in op. cit., *R.* no. 16; t. 175-7, fig. 1, fasc. 30 [181. ?].
- Ribes viridi-albescens* Poiteau & Turpin in op. cit., *R.* no. 14; t. 175-7, fig. 2, fasc. 30 [181. ?].
- Ribes albescens* Poiteau & Turpin in op. cit., *R.* no. 15; t. 175-7, fig. 3, fasc. 30 [181. ?].
- Ribes carneo-subrotundum* Poiteau & Turpin in op. cit., *R.* no. 17; t. 179-80, fig. 1, fasc. 30 [181. ?].
- Ribes carneo-oblongum* Poiteau & Turpin in op. cit., *R.* no. 18; t. 179-80, fig. 2, fasc. 30 [181. ?].
- Ribes violaceum* Poiteau & Turpin in op. cit., *R.* no. 19; t. 179-80, fig. 3, fasc. 30? [181. ?].
- Ribes Grossularia*  $\beta$ . *R. uva-crispa* Smith, Engl. Fl. 1: 333 (1824). — L. M. Neuman, Sver. Fl. 418 (1901) "*f. uva-crispa*". — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 386, fig. 109a (Monog. Groseill.) (1907) " $\beta$ . *uva-crispa*".
- Ribes Grossularia*  $\alpha$ . *trichocarpa* † *silvestris*, †† *domestica*,  $\beta$ . *lejocarpa* Dierbach in Mag. Pharm. 11: 223 (Uebers. Heidelb. Wildw. Pfl.) (1825).
- Ribes purpureo-minus* Poiteau & Turpin in op. cit., *R.* no. 20; t. 181, fasc. 31? [1826].
- Ribes purpureo-majus* Poiteau & Turpin in op. cit., *R.* no. 21; t. 182, fasc. 31? [1826].
- Ribes vulgare* Poiteau & Turpin in op. cit., *R.* no. 22; t. 183, fasc. 31 [1826], non Lamarck (1789).
- Ribes moschatum* Poiteau & Turpin in op. cit., *R.* no. 23; t. 184, fasc. 31 [1826].
- Ribes ianthinum* Poiteau & Turpin in op. cit., *R.* no. 24; t. 185, fasc. 31 [1826].
- Ribes sanguineum* Poiteau & Turpin in op. cit., *R.* no. 25; t. 186, fasc. 32 [1826], non Pursh (1814).
- Ribes lobatum* Poiteau & Turpin in op. cit., *R.* no. 26; t. 187-8, fig. 1, fasc. 32 [1826].
- Ribes tubulosum* Poiteau & Turpin in op. cit., *R.* no. 27; t. 187-8, fig. 2, fasc. 32, [1826], non Eschscholtz (1822).
- Oxyacanthus Uva-crispa* Chevallier, Fl. Gén. Paris, 2: 662 (1827).
- Ribes Grossularia*  $\beta$ . *pubescens* Koch, Syn. Fl. Germ. Helv. 265 (1837).
- Ribes albo-virens* Poiteau, Pomol. Franç. 3: *R.* no. 6; p. 104, t. 167-8 (18[38-]46) = *R. albo-viridis* Poit. & Turp. [181. ?]
- Grossularia spinosa* C. Bauh. ex Ruprecht, Fl. Ingr. 1: 415 (1860).
- Grossularia reclinata* var. *uva-crispa* (L.) Berger, Taxon. Rev. Curr. Gooseb. 109 (1924).
- R. uva-crispa** var. *reclinatum* (L.) Berlandier in De Candolle, Prodr. 3: 478 (1828) " $\gamma$ ".
- Ribes reclinatum* Linnaeus, Sp. Pl. 201 (1753).
- Ribes Grossularia* Linnaeus, l. c. (1753). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 384, fig. 109 (Monog. Groseill.) (1907). — Rehder, Man. Cult. Trees Shrubs, 313 (1927); ed. 2, 308 (1940).
- Grossularia reclinata* Miller, Gard. Dict. ed. 8, G. no. 1 (1768). — Berger, Taxon. Rev. Curr. Gooseb. 108 (1924). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 268 (1939).
- ?*Ribes spinosum* Gilibert, Fl. Lithuan. 2: 134 (1785).
- Ribes aculeatum* Salisbury, Prodr. Stirp. Chap. Allert. 355 (1797).
- Ribes uva-crispa*  $\beta$ . *sativa* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4, 2: 408 (1805).
- Ribes caucasicum* Roemer & Schultes, Syst. Veg. 5: 507 (1819), non Bieberstein (1819).
- Oxyacanthus uva-crispa*  $\alpha$ . *O. sativa* Chevallier, Fl. Gén. Paris, 2: 662 (1827).
- Oxyacanthus sativus* Chevallier, op. cit. ed. 2, 2: 682 (1836).
- Ribes Grossularia*  $\gamma$ . *glabrum* Koch, Syn. Fl. Germ. Helv. 265 (1837).
- Ribes Grossularia*  $\alpha$ . *glanduloso-setosum* Koch, l. c. (1837).
- Grossularia vulgaris* Spach, Hist. Nat. Vég. Phan. 6: 174 (1838).
- Ribes grossularia* var. *atlantica* Ball, Spicil. Fl. Maroc. 449 (1878).
- Ribes grossularia*  $\alpha$ . *vulgare* (Spach) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 385, fig. 109b (Monog. Groseill.) (1907).
- R. vitreum** [*R. stenocarpum*  $\times$  *uva-crispa*] Janczewski in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat. sér. B (Sci. Nat.), 1911: 612, fig. 1 (1911) "*R. Grossularia*  $\times$  *stenocarpum*".
- R. utile** [*R. cynosbati*  $\times$  *uva-crispa*] Janczewski in Bull. Intern. Acad. Sci. Cracovie Cl. Sci. Math. Nat. 1906: 286 (Spec. Gen. Ribes, 3: 7) (1906); Monog. Groseill. 494, fig. 195 (1907) "*R. grossularia*  $\times$  *cynosbati*".
- Grossularia utilis* (Jancz.) Berger, Taxon. Rev. Curr. Gooseb. 92 (1924).
- R. Van-Fleetianum** [*R. missouriense*  $\times$  *uva-crispa*] (Berg.) Standley in Field Mus. Nat. Hist. Pub. Bot. Ser., 8: 139 (1930).
- Grossularia van-fleetiana* Berger, Taxon. Rev. Curr. Gooseb. 93 (1924) "*G. missouriensis*  $\times$  *reclinata*".
- R. cynosbati** Linnaeus, Sp. Pl. 202 (1753). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève 35: 383, fig. 108 (Monog. Groseill.) (1907).
- Ribes gracile* Michaux, Fl. Bor.-Am. 1: 111 (1803).
- Grossularia cynosbati* Miller, Gard. Dict. ed. 8, G. no. 5 (1768). — Berger, Taxon. Rev. Curr. Gooseb. 91 (1924).
- R. cynosbati** f. *inermis* Rehder in Mitt. Deutsch. Dendr. Ges. 1910 (19): 250 [1911?]; in Repert. Sp. Nov. Reg. Veg. 13: 362 (1914); in Bailey, Stand. Cycl. Hort. 5: 2962 (1916) "var."
- Grossularia cynosbati* var. *inermis* (Rehd.) Berger, Taxon. Rev. Curr. Gooseb. 92 (1924).
- R. cynosbati** var. *glabratum* Fernald in Rhodora, 7: 156 (1905).
- Grossularia cynosbati* var. *glabrata* (Fern.) Berger, l. c. (1924).
- R. burejense** Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2: 42 (Reis. Amur-Land) (1868) err. "*burejensis*". — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 371 (Monog. Groseill.) (1907) "*bureiense*". — Nakai, Fl. Sylv. Kor. 15: 43, t. 9 (1926).
- Grossularia bureiensis* (Fr. Schm.) Berger, Taxon. Rev. Curr. Gooseb. 112 (1924). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 270 (1939).
- R. aciculare** Smith in Rees, Cyclop. 30: *R.* no. 25 (1819). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 372, fig. 100 (Monog. Groseill.) (1907).
- Grossularia acicularis* Spach, Hist. Nat. Vég. Phan. 6: 173 (1838). — Berger, Taxon. Rev. Curr. Gooseb. 107 (1924). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 269, t. 15, fig. 7 (1939).

- R. alpestre** Wallich ex Decaisne in Jacquemont, Voy. Inde, 4 (Bot.): 64, t. 75 (1844). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 375, fig. 102 (Monog. Groseill.) (1907).  
*Ribes grossularia* sensu Wallich in Roxburgh, Fl. Ind. 2: 515 (1824), non Linnaeus (1752).  
*Ribes alpestre a commune* Janczewski in Bull. Acad. Sci. Cracovie Cl. Sci. Math. Nat., sér. B(Sci. Nat.), 1910: 72 (1910).  
*Grossularia alpestris* (Jancz.) Berger, Taxon. Rev. Curr. Gooseb. 111 (1924).
- R. alpestre** var. **giganteum** Janczewski, l. c. (1910) "β." *Grossularia alpestris* var. *gigantea* (Jancz.) Berger, l. c. (1924).
- R. grossularioides** Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 250 (in Mém. Biol. 9: 217. 1873) (1874). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 377, fig. 183 (1907) (Monog. Groseill.) (1907).  
*Grossularia grossularioides* (Maxim.) Berger, Taxon. Rev. Curr. Gooseb. 108 (1924).
- R. stenocarpum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 475 (in Mém. Biol. 11: 228) (1881). — Janczewski in op. cit. 374, fig. 101 (1907).  
*Grossularia stenocarpa* (Maxim.) Berger, Taxon. Rev. Curr. Gooseb. 108 (1924).
- R. leptanthum** Gray in Mem. Am. Acad. Arts Sci. n. ser. 4: 53 (1849). — Janczewski in op. cit. 379, fig. 105 (1907).  
*Ribes leptanthum a. genuinum* Janczewski in op. cit. 380 (1907).  
*Grossularia leptantha* (Gray) Coville & Britton in N. Am. Fl. 22: 219 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 69 (1924).
- R. quercetorum** Greene in Bull. Calif. Acad. Sci. 1: 83 (1885).  
*Ribes leptanthum β. quercetorum* (Greene) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 380 (Monog. Groseill.) (1907).  
*Grossularia quercetorum* Coville & Britton in N. Am. Fl. 22: 220 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 88 (1924).
- R. pinetorum** Greene in Bot. Gaz. 6: 157 (1881). — Janczewski in op. cit. 369, fig. 98 (1907).  
*Grossularia pinetorum* (Greene) Coville & Britton in N. Am. Fl. 22: 217 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 85 (1924).
- R. Watsonianum** Koehne, Deutsche Dendr. 197 (1893). — Janczewski in op. cit. 368, fig. 97a (1907), exclud. fig. 97b.  
*Grossularia Watsoniana* (Koehne) Coville & Britton in N. Am. Fl. 22: 218 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 85 (1924).
- Sect. 15. **ROBSONIA** Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, 3, 2: 56 (1826). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 250 (Monog. Groseill.) (1907).
- Robsonia* (Berl.) Reichenbach, Handb. Nat. Pflanzensyst. 233 (1837). — Spach, Hist. Nat. Vég. Phan. 6: 180 (1838).  
*Grossularia* subgen. I. *Robsonia* (Berl.) Berger, Taxon. Rev. Curr. Gooseb. 69 (1924).  
*Grossularia* subgen. II. *Hesperia* Berger, l. c. (1924).  
*Grossularia* subgen. III. *Lobbia* Berger, l. c. (1924), p. p. typ.
- Grossularia v. Lobbii*, VI. *Menziesii*, VII. *Speciosae* Abrams, Ill. Fl. Pacif. St. 2: 395 (1944).
- R. Lobbii** Gray in Am. Nat. 10: 274 (1876). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 358, fig. 89 (Monog. Groseill.) (1907).  
*Ribes subvestitum* sensu Hooker in Bot. Mag. 82: t. 4931 (1856), non Hooker & Arnott (1838).  
*Grossularia Lobbii* (Gray) Coville & Britton in N. Am. Fl. 22: 217 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 84 (1924).
- R. Knightii** (*R. Lobbii* × *divaricatum*) Rehder in Jour. Arnold Arb. 4: 113 (1923).  
*Grossularia knightii* (Rehd.) Berger, Taxon. Rev. Curr. Gooseb. 98 (1924).
- R. Roezli** Regel in Gartenfl. 28: 226, t. 982, fig. 1–3 (1879). — Rehder in Bailey, Stand. Cycl. Hort. 5: 2962 (1916) "*Roezlii*".  
*Ribes amictum* Greene in Pittonia, 1: 69 (1887). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 363 (Monog. Groseill.) (1907).  
*Ribes Wilsonianum* Greene in Erythea, 3: 70 (1895).  
*Ribes aridum* Greene in Pittonia, 4: 35 (1899).  
*Grossularia Roezli* (Reg.) Coville & Britton in N. Am. Fl. 22: 215 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 81 (1924).
- R. Roezli** var. **cruentum** (Greene) Rehder in Bailey, Stand. Cycl. Hort. 5: 2962 (1916).  
*Ribes cruentum* Greene in Pittonia, 4: 35 (1899). — Skan in Bot. Mag. 132: t. 8105 (1906).  
*Ribes amictum a. cruentum* (Greene) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 366, fig. 93, 94 (Monog. Groseill.) (1907).  
*Grossularia cruenta* (Greene) Coville & Britton in N. Am. Fl. 22: 215 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 80 (1924).
- R. Menziesii** Pursh, Fl. Am. Sept. 2: 732 (1814). — Janczewski in op. cit. 361 (1907), p. p.  
*Ribes ferox* Smith in Rees, Cycl. 30: R. no. 26 (1815).  
*Ribes Menziesianum* Roemer & Schultes, Syst. Veg. 5: 507 (1819).  
*Ribes subvestitum* Hooker & Arnott, Bot. Beechey Voy. 346 (1838).  
*Ribes Menziesii β. subvestitum* (Hook. & Arn.) Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 363, fig. 91, 92 (Monog. Groseill.) (1907).  
*Grossularia Menziesii* (Pursh) Coville & Britton in N. Am. Fl. 22: 213 (1908). — Berger, Taxon. Rev. Curr. Gooseb. 76 (1924).  
*Grossularia menziesii* var. *subvestita* (Hook. & Arn.) Berger, op. cit. 77 (1924).
- R. californicum** Hooker & Arnott, Bot. Beechey Voy. 346 (1848). — Heller in Muhlenbergia, 1: 87 (1904).  
*Ribes occidentale* Hooker & Arnott, l. c. (1848). — Janczewski in Mém. Soc. Phys. Hist. Nat. Genève, 35: 366 (Monog. Groseill.) (1907).  
*Ribes oligacanthum* Eastwood in Proc. Calif. Acad. Sci. (ser. 3) Bot. 2: 246 (1902).  
*Ribes occidentale a. californicum* (Greene) Janczewski in op. cit. 377, fig. 95 (1907).  
*Grossularia californica* (H. & A.) Coville & Britton in Fl. N. Am. 22: 214 (1908).
- R. speciosum** Pursh, Fl. Am. Sept. 2: 731 (1814). — Janczewski in op. cit. 356, fig. 87 (1904).  
*Ribes stamineum* Smith in Rees, Cyclop. 30: R. no. 30 (1815), non Hornemann (1813).



**Ribes speciosum** (continued)

- Ribes* ? *fuchsoides* Moçino & Sesse ex Berlandier in Mém. Soc. Phys. Hist. Nat. Genève, **3**: 58, t. 1, 3 (1826). — "*R. stramineum* Smith" in tab., sphalm.
- Ribes triacantha* Menzies ex Hooker, Fl. Bor.-Am. **1**: 229 [1834], pro syn.
- Robsonia speciosa* Spach, Hist. Nat. Vég. Phan. **6**: 181 (1838).
- Grossularia speciosa* (Pursh) Coville & Britton in N. Am. Fl. **22**: 212 (1908). — Berger, Taxon. Rev. Curr. Gooseb. **74** (1924).

Fam. **HAMAMELIDACEAE**

- HAMAMELIDACEAE** Lindley, Veg. Kingd. **784** (1846). — Bentham & Hooker f., Gen. Pl. **1**: 664 (1865). — Hallier in Bot. Centralbl. Beih. **14**: 247 (1903). — Harms in Nat. Pflanzenfam. ed. 2, **18a**: 303–345, il. (1930). — NOM. CONSERV.; cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. **64** (1935) et Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936).
- Compositae* n.dd? *Ambraceae* Reichenbach, Consp. Reg. Veg. **113** (1828), nom. subnud.
- Hamamelideae* R. Brown in Abel, Narr. Jour. China, App. B, **374** (1818). — De Candolle, Prodr. **4**: 267 (1830).
- Altingiaceae* Hayne in litt. ex [Hoppe] in Flora, **13**: 172 (1830), nom. tentat. — Barnhart in Bull. Torrey Bot. Club, **22**: 14 (1895).
- Parrotiaceae* Horaninov, Prim. Lin. Syst. Nat. **79** (1834).
- Hamamelaceae* Lindley, Nat. Syst. Bot. ed. 2, **48** (1836). — Gray, Bot. Text-book, **285** (1842).
- Myricaceae* 3. *Styracifluae* Reichenbach, Handb. Nat. Pflanzenzysst. **191** (1837).
- Rosaceae* 1. *Sanguisorbeae* γ. *Fothergilleae* Reichenbach, op. cit. **244** (1837), exclud. *Cercocarpus*.
- Laurineae* 2. *Hamamelideae* Reichenbach, op. cit. **176** (1837), p. p.; nom. subnud.
- Hamamelineae* fam. *Hamamelideae* Brongniart, Enum. Genr. Pl. Cult. Mus. Paris [xxix]. **110** (1843); ed. 2, **170** (1850); nom. subnud.
- Balsamifluae* Gray, Bot. Text-book, **354** (1842). — Presl, WSeob. Rostlin. **2**: 1403 (1846).
- Parrotiaceae*: *Hamamelideae*, *Fothergilleae*, *Bucklandieae* Horaninov, Tetractys Nat. **25** (1843), nom.
- Altingiaceae* Horaninov, l. c. **25** (1843), nom.; Char. Ess. Fam. Reg. Veg. **83** (1847). — B. Clarke in Ann. Mag. Nat. Hist. ser. 3, **1**: 104 (1858).
- Amamelidaceae* Lemaire in Orbigny, Dict. Univ. Hist. Nat. **4**: 745 (1849).
- Liquidambaraceae* L. Pfeiffer, Synon. Bot. **125** (1870), nom. subnud.
- Saxifragaceae* 16. *Hamamelideae* Baillon, Hist. Pl. **3**: 456 (1872) "Saxifragacées," p. p.
- Saxifragaceae* 17. *Liquidambaraceae* Baillon, op. cit. **461** (1872) "Saxifragacées".

**DISANTHUS** Maximowicz in Bull. Acad. Sci. St. Pétersb. **10**: 485 (in Mém. Biol. **6**: 20. 1868) (1866). — Bentham & Hooker f., Gen. Pl. **1**: 1005 (1867).  
 TYPUS: *D. cercidifolius* Maxim.

**D. cercidifolius** Maximowicz, l. c. (1866) "*cercidifolia*". — Prain in Bot. Mag. **143**: t. 8716 (1917).

**LIQUIDAMBAR** Linnaeus, Sp. Pl. 999 (1753); Gen. Pl. ed. 5, 434, no. 955 (1754). — Bentham & Hooker f., Gen. Pl. **1**: 669 (1865).  
 LECTOTYPUS: *L. styraciflua* L.

**L. styraciflua** Linnaeus, Sp. Pl. 999 (1753). — Sargent, Silva N. Am. **5**: 10, t. 199 (1893). — Britton in N. Am. Fl. **22**: 189 (1905).  
*Liquidambar gummifera* Salisbury, Prodr. Stirp. Chap. Allert. **393** (1796).  
*Liquidambar barbata* Stokes, Bot. Mat. Med. **4**: 332 (1812).  
*Liquidambar macrophylla* Oersted, Am. Centr. **16**, t. 10 (1863); in Vidensk. Meddel. Naturhist. For. Kjøbenhavn. **1870**: 155, fig. (Centralam. Ambratræ **6**) (1870).  
*Liquidambar styraciflua* v. *mexicana* Oersted, l. c. t. 11 (1863).  
*Liquidambar styraciflua suberosa* Schwerin in Mitt. Deutsch. Dendr. Ges. **1933** (45): 390, t. 52 (1933) "(f.)."

**L. styraciflua** f. *rotundiloba* Rehder in Jour. Arnold Arb. **12**: 70, fig. (1931).

**L. styraciflua** f. *pendula* Rehder in op. cit. **20**: 93 (1939).

**L. orientalis** Miller, Dict. Gard. ed. 8, *L.* no. 2 (1768). — Oliver in Hooker's Icon. Pl. **11**: 13, t. 1019 (1867).  
*Liquidambar imberbe* Aiton, Hort. Kew. **3**: 365 (1789).

**L. formosana** Hance in Ann. Sci. Nat. Bot. sér. 5, **5**: 215 (1866). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 421 (1913). — Kanehira, Formos. Trees, **233**, fig. (1917).  
*Liquidambar acerifolia* Maximowicz in Bull. Acad. Sci. St. Pétersb. **10**: 486 (in Mém. Biol. **6**: 21. 1868) (1866, Nov.).

*Liquidambar Maximowiczii* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 200 (1877). — Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **7**: 167 (1884).

**L. formosana** var. *monticola* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 422 (1913).

**DISTYLIUM** Siebold & Zuccarini, Fl. Jap. **1**: 178 [1841]. — Bentham & Hooker f., Gen. Pl. **1**: 666 (1865). — Walker in Jour. Arnold Arb. **25**: 322 (1944).  
 TYPUS: *D. racemosum* Sieb. & Zucc.

**D. racemosum** Siebold & Zuccarini, l. c. t. 94 [1841]. — Schneider, Ill. Handb. Laubh. **1**: 428, fig. 273g, 274a-c (1905). — Airy-Shaw in Bot. Mag. **160**: t. 9501 (1937).

**PARROTIA** C. A. Meyer, Verzeich. Pflanz. Caucas. **46** (1831). — Bentham & Hooker f., Gen. Pl. **1**: 666 (1865).  
 TYPUS: *Hamamelis persica* DC. = *Parrotia persica* (DC.) C. A. Mey.

**P. persica** (DC.) C. A. Meyer, l. c. (1831). — Palibin in Komarov, Fl. S. S. R. **9**: 272, t. 16, fig. 3 (1939).  
*Hamamelis persica* De Candolle, Prodr. **4**: 268 (1830).  
*Parrotia siderodendron* C. A. Meyer ex Ledebour, Fl. Ross. **2**: 377 [1843], pro syn.

**PARROTIOPSIS** (Niedenz.) Schneider, Ill. Handb. Laubh. **1**: 429 (1905).

*Fothergilla* subgen. *Parrotiopsis* Niedenzu in Nat. Pflanzenfam. III. **2a**: 126 (1891).  
 TYPUS: *Fothergilla involucrata* Falcon. = *Parrotiopsis Jacquemontiana* (Dcne.) Rehder.

**P. Jacquemontiana** (Dcne.) Rehder in Jour. Arnold Arb. **1**: 256 (1920).

*Fothergilla involucrata* Falconer in Proc. Linn. Soc. Lond. Bot. **1**: 18 (1839), nom. subnud.

*Parrotia Jacquemontiana* Decaisne in Jacquemont, Voy. Inde, **4**(Bot.): 73, t. 82 (1844).

- Parrotiopsis involuocrata* Schneider, Ill. Handb. Laubh. 1: 429, fig. 274h-l (1905).
- FOTHERGILLA** Murray in Linnaeus, Syst. Veg. ed. 13, 418 (1774).—Linnaeus f., Suppl. Pl. 42 (1781).—Bentham & Hooker f., Gen. Pl. 1: 666 (1865).  
*Yongsonia* W. Young, Cat. Arb. Arbust. 54 (1783), nom.—Marshall, Arbust. Am. 48 (1785), pro syn.  
*Gardenia* Bartram ex Marshall, Arbust. Am. 48 (1785), pro syn.; non Ellis (1761).  
*Fothergilla* subgen. *Eufothergilla* Niedenzu in Engler & Prantl, Nat. Pflanzenfam. III. 2a: 126 (1891).  
 TYPUS: *F. Gardeni* Murr.
- F. Gardeni** Murray in Linnaeus, Syst. Veg. ed. 13, 418 (1774).—Buc'hoz, Pl. Nouv. Dec. 9, t. 7 (1779).—Jacquin, Icon. Pl. Rar. 1: 10, t. 100 [1786]; Collect. 1: 97 (1786).—Britton in N. Am. Fl. 22: 185 (1905).  
*Hamamelis virginiana carolina* Linnaeus, Mant. Pl. 2: 333 (1771).  
*Fothergilla alnifolia* Linnaeus f., Suppl. Pl. 52 (1781).  
 ?*Hamamelis monoica* Walter, Fl. Carol. 255 (1788).  
*Fothergilla carolina* (L.) Britton in Mem. Torrey Bot. Club, 5: 180 (1894).—Schneider, Ill. Handb. Laubh. 1: 430, fig. 274m-p, 275c-e (1905).
- F. major** (Sims) Loddiges, Bot. Cab. 16: t. 1520 (1829).—Britton in N. Am. Fl. 22: 186 (1905), exclud. syn.  
 ?*Fothergilla latifolia* [J. F. Miller, Icon. Pl.] 1, t. 4 (1780).—Pritzel, Icon. Bot. Ind. 2: 125 (1866) "Bibl. Goett."  
*Fothergilla alnifolia* var.  $\gamma$ . *major* Sims in Bot. Mag. 33: t. 1342 (1811).  
*Fothergilla Gardeni* sensu Sargent in Gard. & For. 8: 446, fig. 62 (1895), non Murray (1774).
- F. monticola** Ashe in Bot. Gaz. 24: 374 (1897); 28: 272 (1899).—Rehder in Mitt. Deutsch. Dendr. Ges. 1910 (19): 251 [1911?].  
*Fothergilla major* sensu Small, Fl. Southeast. U. S. 509 (1903), non Loddiges (1829).
- CORYLOPSIS** Siebold & Zuccarini, Fl. Jap. 1: 45 [1836].—Bentham & Hooker f., Gen. Pl. 1: 667 (1865).  
 LECTOTYPUS: *C. spicata* Sieb. & Zucc.
- C. Wilsoni** Hemsley in Hooker's Icon. Pl. 29: t. 2819 (1906).—Fedde in Repert. Sp. Nov. Reg. Veg. 5: 266 (1908).—Rehder in Jour. Arnold Arb. 12: 281 (1931) "*Wilsonii*".—Handel-Mazzetti, Symb. Sin. 7: 239 (1931).  
*Corylopsis Cavaleriei* Lévillé in Repert. Sp. Nov. Reg. Veg. 11: 295 (1912); Fl. Kouy-Tchéou, 193 (1914).
- C. sinensis** Hemsley in Gard. Chron. ser. 3, 39: 18, fig. 12 (1906); in Hooker's Icon. Pl. 29: t. 2820, fig. 17–20 (1906).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 424 (1913).  
*Corylopsis spicata* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 290 (1887), non Siebold & Zuccarini [1836].
- C. spicata** Siebold & Zuccarini, Fl. Jap. 1: 47, t. 19 [1836].
- C. Griffithii** Hemsley in Gard. Chron. ser. 3, 39: 19 (1906).  
*Corylopsis himalayana* sensu Hooker f. in Bot. Mag. 110: t. 6779 (1884), non Griffith (1855).
- C. Veitchiana** Bean in Bot. Mag. 136: t. 8349 (1910).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 425 (1913).
- C. Willmottiae** Rehder & Wilson in Sargent, Pl. Wilson. 1: 425 (1913).—Bean in Bot. Mag. 143: t. 8708 (1917).
- C. platypetala** Rehder & Wilson in op. cit. 426 (1913).
- C. platypetala** var. *laevis* Rehder & Wilson in op. cit. 427 (1913).—Mottet in Rev. Hort. n. ser. 15: 64, fig. 16,1 (1916).
- C. yunnanensis** Diels in Notes Bot. Gard. Edinb. 5: 226 (1912).
- C. glabrescens** Franchet & Savatier, Enum. Pl. Jap. 2: 576 [1878?].—Koidzumi in Matsumura, Icon. Pl. Koisik. 4: 11, t. 218 (1918).  
*Corylopsis Gotoana* Makino in Bot. Mag. Tokyo, 15: 111 (1901).
- C. pauciflora** Siebold & Zuccarini, Fl. Jap. 1: 48, t. 20 [1836].—Hooker in Bot. Mag. 126: t. 7736 (1900).
- FORTUNEARIA** Rehder & Wilson in Sargent, Pl. Wilson. 1: 427 (1913).—Harms in Nat. Pflanzenfam. ed. 2, 18a: 327, fig. 171 (1930).  
 TYPUS: *F. sinensis* Rehd. & Wils.
- F. sinensis** Rehder & Wilson in op. cit. 428 (1913).—Hu & Chun, Icon. Pl. Sin. 1: 25, t. 25 (1927).
- SYCOPSIS** Oliver in Trans. Linn. Soc. Lond. 23: 83 (1862).—Bentham & Hooker f., Gen. Pl. 1: 666 (1865).—Walker in Jour. Arnold Arb. 25: 335 (1944).  
 TYPUS: *S. Griffithiana* Oliv.
- S. sinensis** Oliver in Hooker's Icon. Pl. 20: t. 1931 (1890).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 431 (1913).
- SINOWILSONIA** Hemsley in Hooker's Icon. Pl. 29: t. 2817 (1906).—Harms in Nat. Pflanzenfam. ed. 2, 18a: 333 (1930).  
 TYPUS: *S. Henryi* Hemsl.
- S. Henryi** Hemsley, l. c. (1906).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 429 (1913).—Rehder in Jour. Arnold Arb. 4: 246 (1924).—Harms in Nat. Pflanzenfam. ed. 2, 18a: 334, fig. 174 (1930).  
*Corylopsis macrostachya* Pampanini in Nouv. Giorn. Bot. Ital. n. ser., 17: 286 (1910).
- HAMAMELIS** Linnaeus, Sp. Pl. 124 (1753); Gen. Pl. ed. 5, 59, no. 155 (1754).—Bentham & Hooker f., Gen. Pl. 1: 667 (1865).  
*Trilopus* Adanson, Fam. Pl. 2: 381 (1763).  
 ?*Lomilis* Rafinesque, Alsogr. Am. 5 (1838).  
 TYPUS: *Hamamelis virginiana* L.
- H. virginiana** Linnaeus, l. c. (1753).—Sargent, Silva N. Am. 5: 3, t. 198 (1892).—Britton in N. Am. Fl. 22: 186 (1905).  
*Hamamelis latifolia* W. Young, Cat. Arb. Arbust. Am. 9 (1783), nom.  
*Hamamelis dioeca* Walter, Fl. Carol. 255 (1788).  
*Hamamelis androgyna* Walter, l. c. (1788).—Zorn, Ausw. Schön. Gew. [1]: 13, t. 25 (1795).  
*Hamamelis corylifolia* Moench, Meth. Pl. 273 (1794).  
*Hamamelis virginiana*  $\gamma$ . *parvifolia* Nuttall, Gen. N. Am. Pl. 1: 107 (1818).  
*Hamamelis caroliniana* Walter ex Steudel, Nomencl. Bot. 388 (1821), pro syn.  
*Trilopus virginica* (p.15), *T. nigra* (p.16), *T. estivalis*, *T. rotundifolia*, *T. dentata* (p.17), *T. parvifolia* Rafinesque, New Fl. N. Am. 3: 15–17 [1838], nom. altern.  
*Hamamelis virginica*, *H. nigra*, *H. estivalis*, *H. rotundi-*

**Hamamelis virginiana** (*continued*)

*folia*, *H. dentata*, *H. parvifolia* Rafinesque, l. c. [1838], nom. altern.

**H. virginiana** f. *rubescens* Rehder in Jour. Arnold Arb. 3: 210 (1922).

**H. macrophylla** Pursh, Fl. Am. Sept. 1: 116 (1814). — Sargent in Jour. Arnold Arb. 1: 246 (1920); Man. Trees N. Am. ed. 2, 370, fig. 330 (1922).

*Hamamelis virginica* β. *macrophylla* (Nutt.) De Candolle, Prodr. 4: 268 (1830).

**H. vernalis** Sargent, Trees & Shrubs, 2: 137, t. 156 (1911). — Gleason in Addisonia, 8: 9, t. 261 (1923).

**H. vernalis** f. *tomentella* Rehder in Jour. Arnold Arb. 1: 256 (1920). — E. J. Palmer in Jour. Arnold Arb. 13: 436 (1932) "var."

**H. vernalis** f. *carnea* Rehder in Jour. Arnold Arb. 9: 30 (1928).

**H. japonica** Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. München, 4: 2: 193 (Fl. Jap. Fam. Nat. 1: 85) (1845).

*Hamamelis virginiana* var. *japonica* Guillaumin in Bull. Soc. Bot. France, 61: 39 (1914), non Franchet (1883).

**H. japonica** var. *arborea* (Mast.) Gumbleton in Garden, 37: 306 (1890).

*Hamamelis arborea* Ottolander ex Masters in Gard. Chron. ser. 2, 1: 187, fig. 47 (1874).

*Hamamelis japonica* var. *rubra* Kache in Mitt. Deutsch. Dendr. Ges. 1919(28): 241 (1919).

**H. japonica** var. *Zuccariniana* (Masters) Gumbleton in Gard. 37: 306 (1890). — Kort in Rev. Hort. Belg. 28: 62, t. (1902).

*Hamamelis Zuccariniana* Ottolander ex Masters in Gard. Chron. ser. 2, 1: 187 (1874), nom.

**H. japonica** var. *flavo-purpurascens* (Mak.) Rehder in Jour. Arnold Arb. 6: 208 (1925).

*Hamamelis incarnata* Makino in Bot. Mag. Tokyo, 27: 71 (1913).

*Hamamelis obtusata* (Matsum.) Makino in op. cit. 150 (1913).

*Hamamelis japonica* var. *obtusata* Matsumura ex Makino, l. c. (1913), pro syn.

*Hamamelis obtusata* f. *flavo-purpurascens* Makino in Jour. Jap. Bot. 1: 8 (1916).

**H. intermedia** (*H. japonica* × *mollis*) Rehder in Jour. Arnold Arb. 26: 69 (1945).

**H. mollis** Oliver in Hooker's Icon. Pl. 18: t. 1742 (1888). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 431 (1913).

*Hamamelis virginiana* var. *japonica* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 6: 11 (Pl. David. 1: 131. 1884) (1883).

*Hamamelis mollis* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 290 (1887), nom. nud.

Fam. **PLATANACEAE**

**PLATANACEAE** Lindley, Nat. Syst. Bot. ed. 2, 187 (1836).

— A. de Candolle in De Candolle, Prodr. 16: 2: 156 (1864). — Bentham & Hooker f., Gen. Pl. 3: 396 (1880).

*Amentaceae* trib. *Platanaceae* Dumortier, Florula Belg. 10 (1827), nom. subnud.

*Platanaceae* [Lestiboudois, Bot. Elém. 526 (1826) "Platanées". —] Dumortier, Anal. Fam. Pl. 12 (1829).

*Urticaceae* 1. *Artocarpaceae* a. *Platanaceae* Reichenbach, Handb. Nat. Pflanzensyst. 172 (1837).

*Urticaceae* subfam. *Platanaceae* Presl, Wseob. Rostlin. 2: 1379 (1846).

*Moraceae* subfam. ?*Platanoideae* A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 57 (1864).

**PLATANUS** Linnaeus, Sp. Pl. 999 (1753); Gen. Pl. ed. 5, 433, no. 954 (1754). — A. de Candolle in De Candolle, Prodr. 16: 2: 156 (1864). — Jaenicke in Verh. Leop.-Carol. Akad. Naturf. 77: 115–226, t. 1–10 (Stud. Platan.) (1899).

LECTOTYPUS: *P. orientalis* L.

**P. orientalis** Linnaeus, Sp. Pl. 999 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6: 1: 5 (1900). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 3: 614 (1908).

*Platanus palmata* Moench, Meth. Pl. 358 (1794).

*Platanus umbrosa* Salisbury, Prodr. Stirp. Chap. Allert. 393 (1797).

*Platanus vulgaris* a. *liquidambarifolia* et β. *vitifolia* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 291 (1841); Hist. Nat. Vég. Phan. 11: 77, 78 (1842).

*Platanus hispanica* Tenore, Cat. Ort. Nap. 91 (1845).

*Platanus orientalis* β. *insularis* A. de Candolle in De Candolle, Prodr. 16: 2: 159 (1864).

*Platanus orientalis* a. *genuina* Wesmael in Bull. Féd. Soc. Hort. Belg. 1867: 315, fig. 3 (1868).

*Platanus orientalis* var. *typica* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 3: 615 (1908).

**P. orientalis** f. *digitata* [Gord.] Janko in Bot. Jahrb. 11: 450 (1890) "f. γ."

*Platanus nepalensis* Morren in Jour. Agric. Prat. Belg. 1: 31, fig. 1 (1848).

*Platanus orientalis* ε. *laciniata* Bommer in Ann. Hort. Belg. 4: ? (Platan. 17, fig. 11) (1869).

*Platanus digitata* Gordon in Garden, 1: 572 (1872). — Dode in Bull. Soc. Dendr. France, 1908: 58 (1908). — Palibin in Komarov, Fl. S. S. S. R. 9: 276, t. 16, fig. 1 (1939). — Non Unger (1847), fossil.

*Platanus orientalis* δ. *nepalensis* Wesmael in Bull. Féd. Soc. Hort. Belg. 1867: 315, fig. 7 (Platan. 11) (1868).

*Platanus umbraculifera* hort. Loray ex Janko in Bot. Jahrb. 11: 450 (1890), pro syn.

*Platanus digitifolia* Palibin in Bot. Zhur. S. S. S. R. 30: 95 (1945).

**P. orientalis** var. *cuneata* (Willd.) Loudon, Arb. Brit. 3: 2034 (1838). — A. de Candolle in De Candolle, Prodr. 16: 2: 159 (1864).

?*Platanus orientalis* γ. *undulata* Aiton, Hort. Kew. 3: 364 (1789).

*Platanus cuneata* Willdenow, Sp. Pl. 4: 1: 473 (1805). — Henry & Flood in Proc. Roy. Irish Acad. 35(B): 20, t. 7, fig. 6 (1919). — Palibin in Komarov Fl. S. S. S. R. 9: 275 (1939).

*Platanus vulgaris* γ. *flabellifolia* Spach in Ann. Sci. Nat. Bot. sér. 2, 15: 292 (1841).

**P. racemosa** Nuttall, N. Am. Sylva, 1: 47, t. 15 (1845). — Sargent, Silva N. Am. 7: 105, t. 328 (1895). — Gleason in N. Am. Fl. 22: 227 (1908).

*Platanus californica* Benthham, Bot. Voy. Sulphur, 54 (1844).

*Platanus Mexicana* sensu Torrey in Sitgreaves, Rep. Exp. Zúñi (Bot.) 172 (1853), non Moricand (1830).

- P. Wrightii** S. Watson in Proc. Am. Acad. Arts. Sci. **10**: 349 (1875). — Sargent, Silva N. Am. **7**: 107, t. 329 (1895). — Gleason in N. Am. Fl. **22**: 228 (1908).  
*Platanus racemosa* var. *Wrightii* Benson in Am. Jour. Bot. **30**: 237 (1943).
- P. acerifolia** [*occidentalis* × *orientalis*] (Ait.) Willdenow, Sp. Pl. **4**: 474 (1805). — Henry & Flood in Proc. Roy. Irish Acad. **35**(B): 18, t. 6, fig. 3 (Hist. Lond. Plane) (1919).  
*Platanus orientalis* δ. *acerifolia* Aiton, Hort. Kew. **3**: 304 (1789).  
*Platanus occidentalis* β. *lobata* Bommer in Ann. Hort. Belg. **4**: ? (Platan. 17) (1869).  
*Platanus occidentalis* γ. *palmata* Bommer, l. c. (1869).  
*Platanus intermedia* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 151 (1896), pro syn.  
*Platanus densicoma* Dode in Bull. Soc. Dendr. France, **1908**: 67, fig. (1908), p. p.
- P. acerifolia** f. *Kelseyana* (Jaen.) Schneider, Ill. Handb. Laubh. **1**: 438 (1905).  
*Platanus occidentalis* var. *Kelseyana* Jaenicke in Verh. Leop.-Carol. Akad. Naturf. **77**: 118 (1899).  
*Platanus occidentalis* var. *aureo-variegata* hort. ex Jaenicke, l. c. (1899), pro syn.  
*Platanus acerifolia* var. *aureo-variegata* Henry & Flood in Proc. Roy. Irish Acad. **35**(B): 18 (1919).
- P. acerifolia** f. *Süttneri* (Jaen.) Schneider, Ill. Handb. Laubh. **1**: 437 (1905).  
*Platanus acerifolia* var. *Süttneri* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, **2**: 153 (1896), nom.  
*Platanus occidentalis* *Süttneri* Hort. [ex Nicholson,] l. c. (1896), pro syn.  
*Platanus occidentalis* var. *Süttneri* Jaenicke in Verh. Leop.-Carol. Akad. Naturf. **77**: 118 (1899).  
*Platanus acerifolia* *argenteo-variegata* Hort. Russell ex Elwes & Henry, Trees Gt. Brit. Irel. **3**: 616 (1908), pro syn.  
*Platanus occidentalis* *albo-variegata* Kelsey's Cat. ex Jaenicke in Verh. Leop.-Carol. Akad. Naturf. **77**: 118 (1899).
- P. acerifolia** f. *pyramidalis* (Janko) Schneider, Ill. Handb. Laubh. **1**: 437 (1905). — Bean, Trees Shrubs Brit. Isl. **2**: 202 (1914) "var."  
*Platanus orientalis* f. *pyramidalis* Bolle ex Janko in Bot. Jahrb. **11**: 449 (1890).  
*Platanus occidentalis* var. *pyramidalis* Jaenicke in Verh. Leop.-Carol. Akad. Naturf. **77**: 120 (1899).  
*Platanus pyramidalis* Bolle ex Rehder in Bailey, Cycl. Am. Hort. **[3]**: 1367 (1901), pro syn. — Rivers ex Henry & Flood in Proc. Roy. Irish Acad. **35**(B): 20, t. 6, fig. 4 (1919).
- P. acerifolia** var. *hispanica* [Muenchh.] Bean in Gard. Chron. ser. 3, **66**: 47, fig. 25 (1919).  
*Platanus hispanica* Muenchhausen, Hausvater, **5**: 229 (1770). — Henry & Flood in Proc. Roy. Irish Acad. **35**(B): 18, t. 4, fig. 5 (1919).  
*Platanus occidentalis* var. *hispanica* (Mill.) C. F. Ludwig, Neu. Wilde Baumz. **34** (1783) "*Hispanicus*". — Wesmael in Mém. Soc. Sci. Hainaut, sér. 3, **1**: 12, fig. 5 (1867).  
*Platanus orientalis* var. *hispanica* Loudon, Arb. Brit. **4**: 2034 (1838).
- P. acerifolia** var. *cantabrigiensis* Henry mss. ex Stearn in Jour. Bot. **70** (Suppl.): 15 (1932).  
*Platanus cantabrigiensis* Henry in Henry & Flood in Proc. Roy. Irish Acad. **35**(B): 21 (Hist. Lond. Plane) (1919).
- × **P. parviloba** Henry in Henry & Flood in op. cit. **22** (1919).
- P. occidentalis** Linnaeus, Sp. Pl. **999** (1753). — Sargent, Silva N. Am. **7**: 102, t. 326, 327 (1895). — Gleason in N. Am. Fl. **22**: 229 (1908).  
*Platanus lobata* Moench, Meth. Pl. **358** (1794).  
? *Platanus hybridus* Brotero, Fl. Lusit. **2**: 487 (1804).  
*Platanus vulgaris* var. *angulosa* Spach in Ann. Sci. Nat. Bot. sér. 2, **15**: 293 (1841); Hist. Nat. Vég. Phan. **11**: 77 (1842).  
*Platanus occidentalis* β. *lobata* Bommer in Ann. Hort. Belg. **4**: ? (Platan. 17, fig. 5, 6) (1869).
- P. occidentalis** var. *glabrata* (Fern.) Sargent in Bot. Gaz. **67**: 230 (1919).  
*Platanus glabrata* Fernald in Proc. Am. Acad. Arts Sci. **36**: 493 (1901).  
*Platanus densicoma* Dode in Bull. Soc. Dendr. France, **1908**: 67, fig. (1908), p. p.

## Fam. ROSACEAE

- ROSACEAE Necker in Act. Acad. Elect. Sci. Theod.-Palat. **2**: 490 (1770), nom. subnud. — B. Jussieu, Ord. Nat. Hort. Trianon 1759, lxx (nom. subnud.) in A. Jussieu, Gen. Pl. (1789); A. Jussieu, op. cit. 334 (1789). — De Candolle, Prodr. **2**: 525 (1825). — Bentham & Hooker f., Gen. Pl. **1**: 600 (1865). — Focke in Nat. Pflanzenfam. III, **3**: 1-61 (1888). — Barnhart in Bull. Torrey Bot. Club, **22**: 14 (1895). — Non Linnaeus, Philos. Bot. ed. 2, 37 (1763), nom. subnud.  
*Calyciflorae* Scopoli, Fl. Carniol. 569 (1760, pref. June), p. p. max.
- Subfam. I. SPIRAEOIDEAE Focke in op. cit. **13** (1888).  
Rosaceae trib. *Spiraeaceae* Dumortier, Comm. Bot. **59** (1822). — De Candolle, Prodr. **2**: 541 (1825), p. p. — Endlicher, Gen. Pl. 1247 (1840).  
Rosaceae c. *Pomaceae* b. *Spiraeaceae* Reichenbach, Consp. Reg. Veg. 167 (1828), nom. subnud., p. p. typ.; Handb. Nat. Pflanzensyst. 243 (1837) "2. *Potentilleae* c. *Spiraeaceae*", p. p. typ.  
Rosaceae Ba. *Spireae* T. F. L. Nees von Esenbeck in Verh. Leop.-Carol. Akad. Naturf. **3**, **1**(111): 114 (1823), nom. subnud. — Gray, Bot. Text-book, 266 (1842).  
*Neillieaceae* Miquel, Fl. Nederl. Ind. **1**: 390 (1855).  
*Spiraeaceae* (DC.) A. Braun in Ascherson, Fl. Prov. Brandenb. **1**: 66 (1864). — Maximowicz in Act. Hort. Petrop. **6**: 163 (1879). — Schneider, Ill. Handb. Laubh. **1**: 440 (1905).  
*Saxifragaceae* subfam. *Spiraeaceae* K. Koch, Dendr. **1**: 303 (1869).  
Rosaceae subfam. *Spiraeaceae* Luerksen, Grundzüge Bot. ed. 3, 438 (1881).  
Rosaceae subfam. *Spiraeaceae* trib. *Spiraeoideae* et *Quillajoideae* Koehne, Deutsche Dendr. 207 (1893).
- PHYSOCARPUS** (Cambess.) Maximowicz in Act. Hort. Petrop. **6**: 219 (1879). — Focke in Nat. Pflanzenfam. III, **3**: 14 (1886). — NOM. CONSERV.; cf. Règl. Intern. Nomencl. Bot. 81, no. 3316 (1906).  
*Spiraea* Linnaeus, Sp. Pl. 489 (1753), p. p.  
*Opulaster* Medicus, Beytr. Pflanzenanat. 109 (1799), nom. subnud. — Kuntze, Rev. Gen. Pl. **2**: 949 (1891), nom. subnud. — Rydberg in N. Am. Fl. **22**: 240 (1908).  
*Spiraea* sect. *Physocarpus* Cambessèdes in Ann. Sci. Nat. Bot. **1**: 239, 385 (1824). — De Candolle, Prodr. **2**: 542 (1825).  
*Icotorus* Rafinesque in Bull. Bot. (Seringe) 216 (1830).

**Physocarpus** (continued)

- Epicostorus* Rafinesque in Atlantic Jour. (Rafinesque) **1**: 144 (1832); in Act. Soc. Linn. Bordeaux, **6**: 266 (1833).  
*Physocarpa* Rafinesque, New Fl. N. Am. **3**: 73 [1838].  
*Neillia* sect. *Physocarpus* Benth. & Hook. f., Gen. Pl. **1**: 612 (1865).  
 LECTOTYPUS: *Spiraea opulifolia* L. = *P. opulifolius* (L.) Maxim.
- P. opulifolius** (L.) Maximowicz in Act. Hort. Petrop. **6**: 220 (1879). — Zabel, Strauch. Spiräen, 107 (1893).  
*Spiraea opulifolia* Linnaeus, Sp. Pl. 489 (1753).  
*Spiraea caroliniana* Marshall, Arbust. Am. 146 (1785), nom. subnud.  
*Opulaster bullatus* Medicus, Beytr. Pflanzenanat. 109 (1799).  
*Physocarpa riparia* Rafinesque, New Fl. N. Am. **3**: 73 [1838].  
*Physocarpa opulifolia* Rafinesque, l. c. [1838], p. p.  
*Neillia opulifolia* Brewer & Watson, Fl. Calif. **1**: 171 (1876).  
*Opulaster opulifolia* Kuntze, Rev. Gen. Pl. **2**: 919 (1891). — Britton & Brown, Ill. Fl. N. U. S. **2**: 195, fig. 1882 (1897).
- P. opulifolius** f. *luteus* [Kirchn.] Zabel in Beissner et al., Handb. Laubh.-Ben. 162 (1903) "(f.) *lutea*."  
*Spiraea opulifolia* 2. *lutea* Kirchner in Petzold & Kirchner, Arb. Muscav. 217 (1864).  
*Physocarpus opulifolia* b. *lutea* Dippel, Handb. Laubh. **3**: 500 (1893). — Rehder in Bailey, Cycl. Am. Hort. [3]: 1328 (1901) "*opulifolius* var. *lutea*."  
*Physocarpus opulifolius* var. *aurea* Hort. ex Rehder, l. c. (1901), pro syn.  
*Opulaster opulifolius* f. *luteus* Schneider, Ill. Handb. Laubh. **1**: 442 (1905).
- P. opulifolius** f. *nanus* [Kirchn.] Zabel in Beissner et al., Handb. Laubh.-Ben. 162 (1903) "(f.) *nana*."  
*Spiraea opulifolia* 3. *nana* Kirchner in Petzold & Kirchner, Arb. Muscav. 217 (1864).  
*Physocarpus opulifolius* c. *nanus* hort. ex Zabel, Strauch. Spiräen, 108 (1893). — Rehder in Bailey, Cycl. Am. Hort. [3]: 1328 (1901) "var. *nana*."
- P. capitatus** (Pursh) Kuntze, Rev. Gen. Pl. **1**: 219 (1891). — Zabel, Strauch. Spiräen, 108 (1893).  
*Spiraea capitata* Pursh, Fl. N. Am. **1**: 342 (1814).  
*Spiraea opulifolia* β. *tomentella* Seringe in De Candolle, Prodr. **2**: 542 (1825).  
*Physocarpa tomentosa* Rafinesque, New Fl. N. Am. **3**: 73 [1838].  
*Spiraea opulifolia* β. *mollis* Hooker, Fl. Bor.-Am. **1**: 171 [1834]. — Torrey & Gray, Fl. N. Am. **1**: 414 (1840).  
*Spiraea ribifolia* Nuttall ex Torrey & Gray, l. c. (1840), pro syn.  
*Spiraea opulifolia* var. *multiflora* Durand in Jour. Acad. Nat. Sci. Philad. ser. 2, **3**: 87 (1855).  
*Neillia opulifolia* var. *mollis* Brewer & Watson, Fl. Calif. **1**: 171 (1876).  
*Neillia capitata* Greene in Pittonia, **2**: 28 (1889).  
*Opulaster capitatus* Kuntze, Rev. Gen. Pl. **2**: 949 (1891). — Rydberg in N. Am. Fl. **22**: 241 (1908).  
*Opulaster opulifolius* var. *tomentellus* Schneider, Ill. Handb. Laubh. **1**: 442 (1905).  
*Opulaster opulifolius* var. *capitatus* Jepson, Fl. W. Middle Calif. 276 (1901).
- P. amurensis** (Maxim.) Maximowicz in Act. Hort. Petrop. **6**: 221 (1879). — Zabel, Strauch. Spiräen, 110 (1893). — Poiarkova in Komarov, Fl. S. S. R. **9**: 282, t. 17, fig. 1 (1939).
- Spiraea amurensis* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 90 (Prim. Fl. Amur.) (1859).  
*Opulaster amurensis* Kuntze, Rev. Gen. Pl. **2**: 949 (1891). — Schneider, Ill. Handb. Laubh. **1**: 444, fig. 284a-c, 285f, 286d-e (1905). — Nakai, Fl. Sylv. Kor. **4**: 29, t. 15 (1916).
- P. intermedius** (Rydb.) Schneider, Ill. Handb. Laubh. **1**: 807 (1906).  
*Opulaster intermedius* Rydberg in Britton, Man. Fl. N. Stat. Can. 492 (1901).  
*Opulaster Ramaleyi* A. Nelson in Bot. Gaz. **34**: 367 (1902), p. p. typ.  
*Physocarpus missouriensis* Daniels in Univ. Missouri Stud. Sci. Ser. **1**: 291 (1907).  
*Opulaster opulifolius* var. *intermedius* (Rydb.) Farwell in Rep. Mich. Acad. Sci. **20**: 179 (1918).  
*Neillia intermedia* (Rydb.) Bean in Kew Bull. **1934**: 224 (1934).
- P. intermedius** f. *parvifolius* Rehder in Jour. Arnold Arb. **2**: 128 (1920).
- P. stellatus** (Rydb.) Rehder in Jour. Arnold Arb. **1**: 256 (1920).  
*Spiraea opulifolia* ε. *ferruginea* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 414 (1840).  
*Neillia opulifolia* var. *ferruginea* S. Watson, Bibl. Ind. N. Am. Bot. **1**: 290 (1878).  
*Opulaster stellatus* Rydberg ex Small, Fl. Southeast. U. S. 513 (1903); in N. Am. Fl. **22**: 243 (1908).  
*Opulaster intermedius* sensu Small, Fl. Southeast. U. S. 513 (1903), p. p.; non Rydberg (1901).  
*Physocarpus ferrugineus* Daniels in Univ. Missouri Stud. Sci. Ser. **1**: 291 (1907).  
*Opulaster alabamensis* Rydberg in N. Am. Fl. **22**: 243 (1908).  
*Neillia stellata* Bean in Kew Bull. **1934**: 224 (1934).
- P. monogynus** (Torr.) Coulter in Contrib. U. S. Nat. Herb. **2**: 104 (1891).  
*Spiraea monogyna* Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 194 (1827).  
*Icotorus montanus* Rafinesque in Bull. Bot. (Seringe) 216 (1830).  
*Epicostorus montanus* Rafinesque in Atlantic Jour. (Rafinesque) **1**: 144 (1832).  
*Spiraea opulifolia* γ. *pauciflora* Torrey & Gray, Fl. N. Am. **1**: 414 (1840), p. p.  
*Spiraea opulifolia* var. *parvifolia* Gray ex Porter & Coulter, Syn. Fl. Colo. 33 (1874).  
*Neillia Torreyi* S. Watson in Proc. Am. Acad. Arts Sci. **11**: 136 (1876).  
*Physocarpus Torreyi* Maximowicz in Act. Hort. Petrop. **6**: 221 (1879).  
*Neillia monogyna* Greene in Pittonia, **2**: 29 (1889).  
*Opulaster monogynus* (Torr.) Kuntze, Rev. Gen. Pl. **2**: 949 (1891). — Rydberg in N. Am. Fl. **22**: 244 (1908).  
*Physocarpus pauciflorus* Zabel, Strauch. Spiräen, 109 (1893).
- P. glabratus** (Rydb.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 221 [1916].  
*Opulaster glabratus* Rydberg in Bull. Torrey Bot. Club, **31**: 559 (1904); in N. Am. Fl. **22**: 243 (1908).  
*Neillia glabrata* (Rydb.) Bean in Kew Bull. **1934**: 224 (1934).
- P. bracteatus** (Rydb.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 221 [1916].  
*Opulaster Ramaleyi* A. Nelson in Bot. Gaz. **34**: 367 (1902),

- p. p. — Rydberg, Fl. Colo. 179 (1906).  
*Opulaster bracteatus* Rydberg in Bull. Torrey Bot. Club, **31**: 558 (1904); in N. Am. Fl. **22**: 243 (1908).  
*Neillia bracteata* (Rydb.) Bean, Trees Shrubs Brit. Isl. **3**: 243 (1933).
- P. malvaceus** (Greene) Kuntze, Rev. Gen. Pl. **1**: 219 (1891).  
*Spiraea opulifolia* γ. Hooker, Fl. Bor.-Am. **1**: 171 [1834].  
*Spiraea opulifolia* γ. *pauciflora* Torrey & Gray, Fl. N. Am. **1**: 414 (1840), p. p.  
*Spiraea pauciflora* Nuttall ex Torrey & Gray, l. c. (1840), pro syn.  
*Neillia malvacea* Greene in Pittonia, **2**: 30 (1889).  
*Opulaster malvaceus* (Greene) Kuntze, Rev. Gen. Pl. **2**: 949 (1893). — Rydberg in N. Am. Fl. **22**: 244 (1908).  
*Neillia monogyna* var. *malvacea* M. E. Jones in Zöe, **4**: 43 (1893).  
*Opulaster pauciflorus* Heller in Bull. Torrey Bot. Club, **25**: 626 (1898). — Schneider, Ill. Handb. Laubh. **1**: 444 (1905).  
*Opulaster pubescens* Rydberg in Mem. New York Bot. Gard. **1**: 205 (1900).  
*Physocarpus pauciflorus* Piper, Fl. Palouse Reg. 94 (1901), non Zabel (1893).  
*Neillia Torreyi* sensu Hooker f. in Bot. Mag. **127**: t. 7758 (1901), non S. Watson (1876).
- NEILLIA** D. Don, Prodr. Fl. Nepal. 228 (1825). — Bentham & Hooker f., Gen. Pl. **1**: 612 (1865). — Maximowicz in Act. Hort. Petrop. **6**: 218 (1879).  
*Adenilema* Blume, Bijdr. Fl. Nederl. Ind. 1120 (1826). — Planchon in Ann. Sci. Nat. Bot. sér. 4, **2**: 259 (1854).  
*Spiraea* groupe *Neillia* K. Koch, Dendr. **1**: 307 (1869).  
 Typus: *N. thyrsiflora* D. Don.
- N. thyrsiflora** D. Don, Prodr. Fl. Nepal. 228 (1825). — Hooker f., Fl. Brit. Ind. **2**: 749 (1879).  
*Neillia virgata* Wallich, Num. List, no. 7108 [1832], nom.  
*Spiraea thyrsiflora* K. Koch, Dendr. **1**: 307 (1869).
- N. affinis** Hemsley in Jour. Linn. Soc. Lond. Bot. **29**: 304 (1892). — Rehder in Sargent, Pl. Wilson. **1**: 434 (1913).
- N. Uekii** Nakai in Bot. Mag. Tokyo, **26**: 3 (1912, Jan.); Fl. Sylv. Kor. **4**: 25, t. 13<sup>1</sup>, 13<sup>2</sup> (1916).  
*Neillia Millsii* Dunn in Kew Bull. **1912**: 108 (1912, March).
- N. thibetica** Franchet in Jour. de Bot. **5**: 45 (1891). — Rehder in Sargent, Pl. Wilson. **1**: 435 (1913).  
*Neillia velutina* Franchet, op. cit. 46 (1891), in textu; err. pro *N. thibetica*.
- N. longiracemosa** Hemsley in Jour. Linn. Soc. Lond. Bot. **29**: 304 (1892). — Rehder in Sargent, Pl. Wilson. **1**: 435 (1913).  
*Neillia rubiflora* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 217 (Pl. David. **2**: 35. 1888) [1886], non D. Don (1825).
- N. ribesioides** Rehder in Sargent, Pl. Wilson. **1**: 435 (1913).
- N. sinensis** Oliver in Hooker's Icon. Pl. **16**: t. 1540 (1886). — Rehder in Sargent, Pl. Wilson. **1**: 436 (1913); in Jour. Arnold Arb. **17**: 334 (1936). — R. L. Taylor in Nat. Hort. Mag. **24**: 158, 159, fig. (1945).  
*Neillia glandulocalyx* Léveillé, Fl. Kouy-Tchéou, 348 (1915).  
*Neillia sinensis* f. *glanduligera* (Hemsl.) Rehder in Jour. Arnold Arb. **13**: 299 (1932).
- Neillia sinensis* var. *glanduligera* Hemsley in herb. ex Rehder, l. c. (1932), pro syn.
- STEPHANANDRA** Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. Münch. **3**: 740 (1943). — Bentham & Hooker f., Gen. Pl. **1**: 612 (1865). — Maximowicz in Act. Hort. Petrop. **6**: 217 (1879).  
 Typus: *S. flexuosa* Sieb. & Zucc. = *S. incisa* (Thunb.) Zabel.
- S. incisa** (Thunb.) Zabel in Garten-Zeit. (Wittmack), **4**: 510, fig. (1885); Strauch. Spiräen, 113 (1893). — Nakai, Fl. Sylv. Kor. **4**: 27, t. 14 (1916).  
*Spiraea incisa* Thunberg, Fl. Jap. 213 (1784).  
*Stephanandra flexuosa* Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. Münch. **3**: 740, t. 4, fig. 2 (1843). — Maximowicz in Act. Hort. Petrop. **6**: 217 (1879).
- S. Tanakae** (Franch. & Sav.) Franchet & Savatier, Enum. Pl. Jap. **2**: 332 [1878]. — Hooker f. in Bot. Mag. **124**: t. 7593 (1898). — Nash in Addisonia, **5**: 37, t. 179 (1920).  
*Neillia Tanakae* Franchet & Savatier, Enum. Pl. Jap. **1**: 121 [1873].
- SPIRAEA** Linnaeus, Sp. Pl. 489 (1753), exclud. spec. nonn.; Gen. Pl. ed. 5, 216, no. 554 (1754). — Bentham & Hooker f., Gen. Pl. **1**: 611 (1865), exclud. spec. nonn. — Maximowicz in Act. Hort. Petrop. **6**: 172 (1879), exclud. spec. nonn. — Zabel, Strauch. Spiräen, 6–106 (1893), exclud. subgen. *Botryospira*.  
*Spirea* Pallas, Reise Russ. Reich. **2**(app.): 739 (1773); Fl. Ross. **1**: 32 (1784); p. p. — Rafinesque, New Fl. N. Am. **3**: 62 [1838].  
*Spiraea* subgen. *Euspiraea* Schneider, Ill. Handb. Laubh. **1**: 449 (1905).  
*Spiraea* subgen. *Protospiraea* Nakai, Fl. Sylv. Kor. **4**: 12 (1916) = sect. II et III.  
 LECTOTYPUS: *S. salicifolia* L.
- Sect. I. CHAMAEDRYON Seringe in De Candolle, Prodr. **2**: 542 (1825). — Rafinesque, New Fl. N. Am. **3**: 68 [1838] "subgen. *Chamedryon*"; Sylva Tellur. 151 (1838) "*Xamedryon*".  
*Spiraea* ? subgen. *Awayus* Rafinesque, Sylva Tellur. 151 (1838).  
*Awayus* Rafinesque, l. c. (1838), nom. altern.  
*Spiraea* subgen. *Nothospiraea* Zabel, Strauch. Spiräen, 44 (1893).  
*Spiraea* subgen. *Metaspiraea* Nakai, Fl. Sylv. Kor. **4**: 12 (1916).  
*Spiraea* sect. *Metachamaedryon* Nakai, op. cit. 23 (1916).  
*Spiraea* sect. *Glomerati* Nakai, op. cit. 17 (1916).
- S. prunifolia** Siebold & Zuccarini, Fl. Jap. **1**: 131, t. 70 [1840].  
*Spiraea crenata* var. *fol. ovatis et latioribus floribusque plenis* Thunberg, Fl. Jap. 211 (1784), in nota sub *S. crenata*.  
*Spiraea prunifolia* var. *fl. pleno* Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. **1844** (pref.): 36, t. 1 (1844).  
*Spiraea prunifolia* var. *plena* Schneider, Ill. Handb. Laubh. **1**: 451 (1905).
- S. prunifolia** f. *simpliciflora* Nakai in Jour. Coll. Sci. Tokyo, **26**: 172 (Fl. Kor.) (1909); Fl. Sylv. Kor. **4**: 18, t. 7 (1916) "var."  
*Spiraea prunifolia* var. *a. typica* Schneider, Ill. Handb. Laubh. **1**: 450, fig. 288g-h (1905), non typus speciei.  
*Spiraea simpliciflora* (Nakai) Nakai in Jour. Jap. Bot. **12**: 878 (1936).

**Spiraea** (*continued*)

- S. Thunbergii** Siebold ex Blume, Bijdr. Fl. Nederl. Ind. 1115 (1826).—Siebold & Zuccarini, Fl. Jap. 1: 130, t. 69 (1840).  
*Spiraea crenata* sensu Thunberg, Fl. Jap. 210 (1784), non Linnaeus (1753).  
*Spiraea japonica* Rafinesque, New Fl. N. Am. 3: 71 [1838]; Sylva Tellur. 151 (1838), non Linnaeus f. (1781), nec Desvaux (1822), nec Blume (1826).  
*Awajus japonicus* Rafinesque ex B. D. Jackson in Index Kew. 1: 255 [1893], pro syn.
- S. arguta** (*S. multiflora* × *Thunbergii*) Zabel in Gartenzeit. 3: 494 (1884); Strauch. Spiräen, 22 (1893).
- S. multiflora** (*S. crenata* × *hypericifolia*) Zabel, l. c. (1884); op. cit. 20 (1893).—Schneider, Ill. Handb. Laubh. 1: 453 (1905).
- S. hypericifolia** Linnaeus, Sp. Pl. 489 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 11 (1900).—Poiarkova in Komarov, Fl. S. S. R. 9: 303 (1939).  
*Spiraea hypericifolia* a. *genuina* Ledebour, Fl. Ross. 2: 12 [1843].  
*Spiraea hypericifolia* β. *Plukenetiana* Seringe in De Candolle, Prodr. 2: 543 (1825).—Schneider, Ill. Handb. Laubh. 1: 452, fig. 2881 (1905) "var. a."  
*Spiraea virgata* Rafinesque, New Fl. N. Am. 3: 72 [1838].  
*Spiraea hypericifolia* a. *typica* Maximowicz in Act. Hort. Petrop. 6: 178 (1879).—Zabel, Strauch. Spiräen, 18 (1893).  
*Spiraea sibirica* hort. ex Zabel, l. c. (1893), pro syn.—Schneider, Ill. Handb. Laubh. 1: 452 (1905), pro syn.  
*Eleiosina virgata* Rafinesque ex B. D. Jackson, Index Kew. 1: 829 (1893), pro syn.
- S. hypericifolia** var. *acuta* Seringe in De Candolle, Prodr. 2: 543 (1825).  
*Spiraea crenata* sensu Schmidt, Oester. Allg. Baumz. 1: 54, t. 55 (1792), non Linnaeus (1753).  
*Spiraea acutifolia* Willdenow, Enum. Pl. Hort. Berol. 540 (1809).—Zabel, Strauch. Spiräen, 20 (1893).  
*Spiraea hypericifolia* c. *acutifolia* Dippel, Handb. Laubh. 3: 464 (1893).—Schneider, Ill. Handb. Laubh. 1: 452, fig. 288q (1905) "var. b. a."
- S. hypericifolia** var. *obovata* [Willd.] Maximowicz in Act. Hort. Petrop. 6: 179 (1879) "β. *S. obovata*."  
*Spiraea obovata* Waldstein & Kitaibel ex Willdenow, Enum. Pl. Hort. Berol. 541 (1809); Berlin. Baumz. ed. 2, 492 (1811).  
*Spiraea hypericifolia* b. *truncata* Zabel, Strauch. Spiräen, 18 (1893), p. p.  
*Spiraea thalictroides* hort. ex Zabel, l. c. (1893), pro syn.; non Pallas (1784).
- S. micropetala** (*S. hypericifolia* × *media*) Zabel in Garten-Zeit. (Wittmack) 3: 495 (1884); op. cit. 33 (1893).—Schneider, Ill. Handb. Laubh. 1: 453 (1905).
- S. cinerea** (*S. cana* × *hypericifolia*) Zabel in op. cit. 494 (1884); op. cit. 23 (1893).—Schneider, l. c. (1905).
- S. calcicola** W. W. Smith in Notes Bot. Gard. Edinb. 8: 131 (1913).
- S. crenata** Linnaeus, Sp. Pl. 489 (1753).—Pallas, Fl. Ross. 1,1: 35, t. 19 (1784).—Hegi, Ill. Fl. Mitteleur. 4,2: 674, fig. 1009 [1922].—Poiarkova in Komarov, Fl. S. S. S. R. 9: 301, t. 18, fig. 2 (1939).
- Spiraea sawranica* Besser, Enum. Pl. Volhyn. Podol. 58 (1822).
- Spiraea crenifolia* C. A. Meyer, Beitr. Pflanzenk. Russ. Reich. 6: 43 (1844).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 12 (1900).
- Spiraea crenifolia* a. *Pallasiana* et β. *capitata* Maximowicz in Act. Hort. Petrop. 6: 180 (1879).
- Spiraea vacciniifolia* Hort. ex Schneider, Ill. Handb. Laubh. 1: 454 (1905), pro syn.; non D. Don (1825).
- S. pikoviensis** [*S. crenata* × *media*] Besser, Enum. Pl. Volhyn. Podol. 46 (1822).—Zabel, Strauch. Spiräen, 37 (1893).  
*Spiraea Nicoudiarti* Hort. ex Bosse, Vollst. Handb. Blumengärt. ed. 2, 4(Nachtr.): 624 (1849).—K. Koch, Dendr. 1: 320 (1869), pro syn.
- Spiraea alpina* hort. [non Pallas (1784)] et *S. praecox* hort. ex Zabel, l. c. (1893), pro syn.
- S. inflexa** (*S. cana* × *crenata*) K. Koch in Gartenfl. 3: 405 (1854).—Zabel, Strauch. Spiräen, 30 (1893) "*S. crenata* × *mollis*".  
*Spiraea conferta* Zabel in Garten-Zeit. (Wittmack) 3: 495 (1884); Strauch. Spiräen, 35 (1893).
- S. nipponica** Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 40 (in Mém. Biol. 12: 455) (1886).  
*Spiraea bracteata* Zabel in Garten-Zeit. (Wittmack) 3: 496 (1884); Strauch. Spiräen, 45 (1893); non Rafinesque [1838].  
*Spiraea nipponica* f. *typica* Makino in Bot. Mag. Tokyo, 20: 28 (1906).
- S. nipponica** f. *rotundifolia* (Nichols.) Makino in Bot. Mag. Tokyo, 20: 28 (1906).—Rehder in Bailey, Stand. Cycl. Hort. 6: 3209 (1917) "var."  
*Spiraea media* var. *rotundifolia* Nicholson in Gard. Chron. ser. 2, 23: 283, fig. 56 (1885).
- S. nipponica** var. *tosaensis* (Yatabe) Makino in Bot. Mag. Tokyo, 20: 28 (1906).—Teuscher in Addisonia, 19: 9, t. 613 (1935).  
*Spiraea tosaensis* Yatabe in Bot. Mag. Tokyo, 6: 6 (1892).
- S. trichocarpa** Nakai in Jour. Coll. Sci. Tokyo, 26,1: 173 (1909); 31: 472 (1911); Fl. Sylv. Kor. 4: 23, t. 12 (1916).
- S. gemmata** Zabel, Strauch. Spiräen, 23 (1893).—Schneider, Ill. Handb. Laubh. 1: 466, fig. 290f-g (1905).—Rehder in Sargent, Pl. Wilson. 1: 441 (1913).  
*Spiraea mongolica* sensu Koehne, Deutsche Dendr. 212 (1893), exclud. syn.; non Maximowicz (1881).
- S. arcuata** Hooker f., Fl. Brit. Ind. 2: 325 (1878).—Schneider, Ill. Handb. Laubh. 1: 466, fig. 292i-i<sup>3</sup> (1905).  
*Spiraea canescens* var. *glabra* Hooker f. & Thomson in herb. ex Hooker f., l. c. (1878), pro syn.
- S. Zabeliana** Schneider, Ill. Handb. Laubh. 1: 466, fig. 292 k-m (1905); in Bull. Herb. Boissier, sér. 2, 5: 343 (1905); in Repert. Sp. Nov. Reg. Veg. 1: 2 (1905).
- S. mollifolia** Rehder in Sargent, Pl. Wilson. 1: 441 (1913).
- S. alpina** Pallas, Fl. Ross. 1: 35, t. 20 (1784).—Rehder in Sargent, Pl. Wilson. 1: 440 (1913).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 298, t. 17, fig. 6 (1939).  
*Spiraea alpina* var. *altaica* Maximowicz in Act. Hort. Petrop. 6: 183 (1876).
- S. myrtilloides** Rehder in Sargent, Pl. Wilson. 1: 440 (1913); Man. Cult. Trees Shrubs, 337 (1927).



- Spiraea virgata* Franchet, Pl. Delavay. 199 (1890).—Rehder in Jour. Arnold Arb. 20: 93 (1939); Man. Cult. Trees Shrubs, ed. 2, 332 (1940).—Non Rafinesque [1838].
- S. cana** Waldstein & Kitaibel, Pl. Hung. Rar. 3: 252, t. 228 (1812).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 13 (1900).  
*Spiraea cana* var. *a. typica* Beck in Reichenbach, Icon. Fl. Germ. 24: 9, t. 148, fig. 1–5 (1903).
- S. Gieseleriana** [*S. cana* × *chamaedryfolia*] Zabel in Garten-Zeit. (Wittmack) 3: 495 (1884); Strauch. Spiräen, 28 (1893) "*S. cana* × *ulmifolia*".
- S. media** Schmidt, Oester. Allg. Baumz. 1: 53, t. 54 (1792).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 14 (1900).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 294 (1939).  
*Spiraea oblongifolia* Waldstein & Kitaibel, Icon. Pl. Rar. 3: 271, t. 235 (1812).  
? *Spiraea versifolia* Rafinesque, New Fl. N. Am. 3: 68 [1838].  
*Spiraea daurica* Rafinesque, op. cit. 69 [1838].  
*Spiraea confusa* Regel & Körnicke in Ind. Sem. Hort. Petrop. 1857: 57 (1857); in Gartenfl. 7: 48 (1858); 12: 49 (1863).  
*Spiraea banatica* Janka in Matern. Termeszt. Közlem. 12: 166 (1876).  
*Spiraea media* f. *a. subintegerrima* Zabel, Strauch. Spiräen, 32 (1893).  
*Spiraea media* f. *c. pilosiuscula* Zabel, op. cit. 33 (1893).  
*Spiraea media* (f.) 2. *oblongifolia* Beck in Reichenbach, Icon. Fl. Germ. 24: 10, t. 149 (1904).—Nakai, Fl. Sylv. Kor. 4: 21, t. 9 (1916) "var."
- S. media** f. *glabrescens* [Simonk.] Zabel, op. cit. 32 (1893).  
*Spiraea media* var. *glabrescens* Simonkai, Enum. Fl. Transilv. 213 (1886).  
*Spiraea confusa* a. *subglabra* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4,4: 52 (1861).
- S. media** var. *mollis* (Koch & Bouché) Schneider, Ill. Handb. Laubh. 1: 457 (1905).  
*Spiraea mollis* Koch & Bouché in Gartenfl. 3: 404 (1854).—Zabel, Strauch. Spiräen, 31 (1893) "*S. cana* × *media*".  
*Spiraea cana* β. *mollis* Beck in Reichenbach, Icon. Fl. Germ. 24: 9, t. 148, fig. 6 [1903].
- S. media** var. *sericea* (Turcz.) Maximowicz in Act. Hort. Petrop. 6: 189 (1879), exclud. syn.  
*Spiraea sericea* Turczaninov in Bull. Soc. Nat. Moscou, 16: 591 (Fl. Baical.-Dahur. 1: 358) (1843).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 297 (1939).  
*Spiraea confusa* β. *sericea* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4,4: 53 (1861).
- S. oxyodon** [*S. chamaedryfolia* × *media*] Zabel in Garten-Zeit. (Wittmack) 3: 495 (1884); Strauch. Spiräen, 25 (1893) "*S. flexuosa* × *media*".
- S. chamaedryfolia** Linnaeus, Sp. Pl. 489 (1753).—Maximowicz in Act. Hort. Petrop. 6: 186 (1879).—Zabel, Strauch. Spiräen, 25 (1893).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6: 14 (1900), p. p.—Schneider, Ill. Handb. Laubh. 1: 459, fig. 290k-o, 291a-c (1905).  
*Spiraea flexuosa* Fischer ex Cambessèdes in Ann. Sci. Nat. 1: 365 (265), t. 26 (Monog. Spir. 31) (1824).—Schneider, Ill. Handb. Laubh. 1: 458, fig. 290n-n<sup>1</sup>, 291d-e (1905).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 291, t. 17, fig. 8 (1939).
- Spiraea chamaedryfolia* a. *vulgaris* Cambessèdes in Ann. Sci. Nat. 1: 362 (1824), p. p.
- Spiraea chamaedryfolia* var. *flexuosa* Maximowicz in Act. Hort. Petrop. 6: 186 (1879).
- Spiraea flexuosa* var. *a. typica* Schneider, Ill. Handb. Laubh. 1: 458 (1905).
- Spiraea chamaedryfolia* var. *a. typica* Schneider, op. cit. 460 (1905).
- Spiraea ulmifolia* sensu Nakai, Fl. Sylv. Kor. 4: 20, t. 8 (1916), non Scopoli (1772).
- S. chamaedryfolia** var. *stenophylla* Zabel, Strauch. Spiräen, 26 (1893).
- Spiraea flexuosa* var. *stenophylla* Schneider, Ill. Handb. Laubh. 1: 458 (1905).
- Spiraea media oblongifolia* Hort. nonn. ex Schneider, l. c. (1905), pro syn.
- S. chamaedryfolia** var. *transiens* Zabel, op. cit. 25 (1893).—Schneider, op. cit. 460 (1905).
- S. chamaedryfolia** var. *ulmifolia* (Scop.) Maximowicz in Act. Hort. Petrop. 6: 186 (1879).—Schneider, op. cit. 460 (1905).
- Spiraea ulmifolia* Scopoli, Fl. Carniol. ed. 2, 1: 349, t. 22 (1772).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 16 (1900).
- Spiraea chamaedryfolia* b. *crataegifolia* Zabel, Strauch. Spiräen, 25 (1893).
- Spiraea crataegifolia* hort. ex Zabel, l. c. (1893), pro syn.; non Link (1822).
- S. Schinabeckii** (*S. chamaedryfolia* × *trilobata*) Zabel in Garten-Zeit. (Wittmack) 3: 495 (1884); Strauch. Spiräen, 27 (1893).
- S. cantoniensis** Loureiro, Fl. Cochinch. 1: 322 (1790).—Zabel, op. cit. 41 (1893).
- Spiraea lanceolata* Poiret, Encycl. Méth. Bot. 7: 354 (1806).—Cambessèdes in Ann. Sci. Nat. 1: 366, t. 25 (1824), icon. mala.—Lindley in Bot. Reg. 27 (misc.): 45, no. 93 (1841).—Non Borkhausen (1803).
- Spiraea japonica* Siebold ex Blume, Bijdr. Fl. Nederl. Ind. 1114 (1826), non Linnaeus f. (1781).
- Spiraea corymbosa* Roxburgh, Fl. Ind. [ed. 2] 2: 512 (1832), non Rafinesque (1814).
- Spiraea Reevesiana* Lindley in Bot. Reg. 30: t. 10 (1841).
- Spiraea Neumannii* Hort. ex Zabel, Strauch. Spiräen, 41 (1893), pro syn.
- S. cantoniensis** f. *lanceata* (Zab.) Zabel in Beissner et al., Handb. Laubh.-Ben. 152 (1903) "(f.)"
- Spiraea Reevesiana* fl. *pleno* Verdier in Hortic. Franç. 1855: 121, t. 11 (1855).—P[lanchon] in Fl. des Serr. 11: 45, t. 1097 (1856).
- Spiraea cantoniensis* var. *fl. pleno* Maximowicz in Act. Hort. Petrop. 6: 195 (1879).
- Spiraea cantoniensis* b.) *lanceata* Zabel, Strauch. Spiräen, 41 (1893).
- S. Vanhouttei** (*S. cantoniensis* × *trilobata*) (Briot) Zabel in Garten-Zeit. (Wittmack) 3: 496 (1884); Strauch. Spiräen, 42 (1893).—Rosenthal in Wien. Ill. Garten-Zeit. 9: 108, fig. 22 (1884).
- Spiraea aquilegifolia* Vanhouttei Briot in Rev. Hort. 1866: 269 (1866).—Carrière in Rev. Hort. 1876: 260 (1876).
- S. trilobata** Linnaeus, Mant. Pl. 2: 244 (1771).—Schneider, Ill. Handb. Laubh. 1: 465, fig. 290q-r, 291g (1905).

**Spiraea trilobata** (continued)

- Spiraea triloba* Linnaeus, Syst. Veg. ed. 13 (Murray), 394 (1774).  
*Spiraea grossulariaefolia* Hort. ex Zabel, Strauch. Spiräen, 43 (1893), pro syn.  
*Eleiosina triloba* Rafinesque ex B. D. Jackson in Index Kew. 1: 829 [1893], pro syn.  
*Spiraea crataegifolia* Anon. in Florists' Exch. 30: 45, fig. (1910), nom. subnud.; non Link (1822).
- S. Blumei** G. Don, Gen. Hist. Dichlam. Pl. 2: 518 (1832). — Rehder in Sargent, Pl. Wilson. 1: 446 (1913).  
*Spiraea chamaedrifolia* sensu Blume, Bijdr. Fl. Nederl. Ind. 1114 (1826), non Linnaeus (1753).  
*Spiraea rupestris* hort. ex Zabel, Strauch. Spiräen, 44 (1893), pro syn.  
*Spiraea trilobata* sensu Nakai, Fl. Sylv. Kor. 4: 22, t. 11 (1916), non Linnaeus (1771).  
*Spiraea obtusa* Nakai in Bot. Mag. Tokyo, 31: 97 (1917).
- S. pubescens** Turczaninov in Bull. Soc. Nat. Moscou, 5: 190 (1832). — Nakai, Fl. Sylv. Kor. 4: 22, t. 10 (1916). — Rehder in Jour. Arnold Arb. 13: 300 (1932).  
*Spiraea Laucheana* Koehne in Mitt. Deutsch. Dendr. Ges. 1899(8): 56 (1899), nom. — Koehne ex Poiarkova in Komarov, Fl. S. S. R. 9: 301 (1939), pro syn.  
*Spiraea ouensanensis* H. Léveillé in Repert. Sp. Nov. Reg. Veg. 7: 197 (1909).
- S. chinensis** Maximowicz in Act. Hort. Petrop. 6: 193 (1879). — Rehder in Sargent, Pl. Wilson. 1: 444 (1913).  
*Spiraea pubescens* sensu Lindley in Jour. Hort. Soc. Lond. 2: 157 (1847); in Bot. Reg. 33: t. 38 (1847); non Turczaninov (1832).  
*Spiraea dasyantha* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 224 (1887), p. p.; non Bunge (1835).
- S. blanda** (*S. cantoniensis* × *chinensis*) Zabel in Garten-Zeit. 3: 496 (1884); Strauch. Spiräen, 40 (1893). — Schneider, Ill. Handb. Laubh. 1: 463, fig. 293d-e (1905).
- S. dasyantha** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 97 (Enum. Pl. Chin. Bor. 23, 1833) (1835). — Maximowicz in Act. Hort. Petrop. 6: 194 (1879).  
*Spiraea nervosa* Franchet & Savatier, Enum. Pl. Jap. 2: 331 [1878].  
*Spiraea dasyantha* var. *typica* Schneider, Ill. Handb. Laubh. 1: 461, fig. 291f (1905).
- S. yunnanensis** Franchet, Pl. Delavay. 200 (1890). — Rehder in Jour. Arnold Arb. 14: 203 (1933).  
*Spiraea sinobrahuica* W. W. Smith in Notes Bot. Gard. Edinb. 10: 67 (1917); 14: 233, 260 (1924); 17: 388 (1930).  
*Spiraea sinobrahuica* var. *aridicola* W. W. Smith in op. cit. 10: 68 (1917); 17: 197, 363 (1930).
- Sect. II. CALOSPIRA K. Koch in Gartenfl. 3: 397 (1854); Dendrol. 1: 328 (1869).  
*Spiraea* subgen. *Spiraria* [sect.] A. Calospira Zabel, Strauch. Spiräen, 50 (1893).  
*Spiraea* subgen. *Protospiraea* Nakai sect. *Calospira* (K. Koch) Nakai, Fl. Sylv. Kor. 4: 12 (1916).
- S. canescens** D. Don, Prodr. Fl. Nepal. 227 (1825). — Hooker f., Fl. Brit. Ind. 2: 325 (1878).  
*Spiraea cuneifolia* Wallich, Num. List, no. 699 (1829), nom. — Lindley in Bot. Reg. 25 (misc.): 59 (1839). — Non Borkhausen (1803), nec Rafinesque [1838].  
*Spiraea rotundifolia* Lindley in Bot. Reg. 26(misc.): 72 (1840).

- Spiraea flagelliformis* Anon. in Garden, 23: 81, fig. (1883). — Hort. ex Zabel, Strauch. Spiräen, 55 (1893), pro syn.  
*Spiraea flagellaris* hort. ex Zabel in Garten-Zeit. (Wittmack) 4: 130 (1885), pro syn.  
*Spiraea cuneata* Hort. ex Zabel, Strauch. Spiräen, 55 (1893), pro syn.  
*Spiraea argentea* Hort. et multa alia syn. ex [Nicholson in] Kew Hand-list Trees Shrubs, 1: 149 (1894), pro syn.  
*Spiraea vacciniifolia* Hort. p. p. [ex Nicholson] l. c. (1894), non D. Don (1825).  
*Spiraea nutans* Hort. ex Schneider, Ill. Handb. Laubh. 1: 469 (1906), pro syn.  
*Spiraea nepalensis* Hort. ex Schneider, l. c. (1906), pro syn.  
*Spiraea flagellata* Hort. ex Rehder, Man. Cult. Trees Shrubs, 339 (1927), pro syn.
- S. canescens** var. *myrtifolia* Zabel, Strauch. Spiräen, 56 (1893). — Schneider, Ill. Handb. Laubh. 1: 469, fig. 294b (1905).
- S. nivea** [*S. amoena* × *canescens*] Zabel, Strauch. Spiräen, 56 (1893) "*S. canescens* × *expansa*".  
*Spiraea expansa* *nivea* Billiard in Rev. Hort. 1866: 333 (1866), nom. — Zabel, l. c. (1893), pro syn.  
? *Spiraea luxurians* hort. ex Zabel, Strauch. Spiräen, 57 (1893), pro syn.
- S. uratensis** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 259 (Pl. David. 1: 107, 1884) (1883).
- S. vacciniifolia** D. Don, Prodr. Fl. Nepal. 227 (1825). — Lindley in Bot. Reg. 26: t. 17 (1840) "*vacciniifolia*". — Hooker f., Fl. Brit. Ind. 2: 325 (1878).  
*Spiraea rhamnifolia* Wallich, Num. List, no. 700 (1829), nom.  
*Spiraea laxiflora* Lindley in Bot. Reg. 25(misc.): 60 (1839).  
*Spiraea venustula* Kunth in Ind. Sem. Hort. Berol. 1848: 16 (1848); in Ann. Sci. Nat. Bot. sér. 3, 11: 231 (1849).
- S. gracilis** Maximowicz in Act. Hort. Petrop. 6: 200 (1879).  
*Spiraea vacciniifolia* Loddiges, Bot. Cab. 15: t. 1403 (1828), non D. Don (1825).  
*Spiraea parvifolia* Bertoloni in Mem. Accad. Sci. Bologna, ser. 2, 4: 312, t. 4 (Piante Nuov. As. 2: 10, t. 4, 1865) (1864); non Benthham (1840).
- S. Sargentiana** Rehder in Sargent, Pl. Wilson. 1: 447 (1913).  
*Spiraea canescens* var. *sulfurea* sensu Diels in Bot. Jahrb. 29: 383 (1900), non var. *sulphurea* Batalin (1898).
- S. Henryi** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 225, t. 6 (1887). — Rehder in Sargent, Pl. Wilson. 1: 447 (1913).
- S. Henryi** f. *notabilis* (Rehd.), grad. nov.  
*Spiraea Henryi* var. *notabilis* [R. & J. Farquhar & Sons, Cat. New Rare Pl. 12 (1916), nom. —] Rehder, Man. Cult. Trees Shrubs, 340 (1927).  
? *Spiraea Henryi magnifica* Lemoine, [Cat.] 199: 12 (1926).
- S. Wilsoni** Duthie in Veitch, Hort. Veitch. 379 (1906), nom. subnud. — Bean in Bot. Mag. 137: t. 8399 (1911).
- S. Veitchi** Hemsley in Gard. Chron. ser. 3, 33: 258 (1903). — Rehder in Sargent, Pl. Wilson. 1: 449 (1913); in Jour. Arnold Arb. 13: 301 (1932) "*Veitchii*".

- Spiraea atemnophylla* Léveillé in Bull. Géog. Bot. **25**: 44 (1915).
- S. Miyabei** Koidzumi in Bot. Mag. Tokyo, **23**: 166 (1909). — Rehder in Sargent, Pl. Wilson. **1**: 454 (1913).  
*Spiraea silvestris* Nakai in Bot. Mag. Tokyo, **29**: 78 (1915); Fl. Sylv. Kor. **4**: 16, t. 5 (1916).
- S. Miyabei** var. **pilosula** Rehder in op. cit. 455 (1913).
- S. Miyabei** var. **glabrata** Rehder in op. cit. 454 (1913).
- S. longigemma** Maximowicz in Act. Hort. Petrop. **6**: 205 (1879). — Zabel, Strauch. Spiräen, 57 (1893).
- S. Rosthornii** Pritzel in Bot. Jahrb. **29**: 383 (1900). — Rehder in Sargent, Pl. Wilson. **1**: 451 (1913).  
*Spiraea pratti* Schneider, Ill. Handb. Laubh. **1**: 472 (1905).
- S. bella** Sims in Bot. Mag. **50**: t. 2426 (1823). — Hooker f., Fl. Brit. Ind. **2**: 324 (1878). — Maximowicz in Act. Hort. Bot. Petrop. **6**: 202 (1879).  
*Spiraea expansa* Wallich, Num. List, no. 702 (1829), nom. *Spiraea callosa* sensu Wallich, l. c. (1829), pro syn.; non Thunberg (1785).  
*Spiraea stellata* Wallich, l. c. (1829), pro syn. — Schneider, Ill. Handb. Laubh. **1**: 471 (1905), pro syn.  
*Spiraea bella coccinea* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 210 (1864).  
*Spiraea bella* γ. *subcordata* Regel, Russk. Dendr. ed. 2, 514 (1882).  
*Spiraea subcordata* Dippel, Handb. Laubh. **3**: 482 (1893).
- S. fastigiata** [Wallich, Num. List, no. 708 (1829), nom. —] Wallich ex Schneider, Ill. Handb. Laubh. **1**: 471, fig. 294e, 295o (1905).  
*Spiraea amoena* Spae in Ann. Soc. Agric. Bot. Gand, **2**: 281, t. 72 (1846), non *S. amena* Rafinesque [1838].  
*Spiraea expansa* sensu K. Koch in Ind. Sem. Hort. Berol. **1853**(appx.): 12 (1853); Dendr. **1**: 330 (1869); non Wallich (1829).  
*Spiraea ruberrima* K. Koch in Gartenfl. **3**: 398 (1854). — Schneider, Ill. Handb. Laubh. **1**: 472 (1905), pro syn.
- S. pulchella** [*S. bella* × *fastigiata*] Kunze in Linnaea, **20**: 60 (1847). — Zabel, Strauch. Spiräen, 59 (1893) "*bella* × *expansa*".
- S. nudiflora** [*S. chamaedryfolia* var. *ulmifolia* × *fastigiata*] Zabel, Strauch. Spiräen, 47 (1893) "*bella* × *ulmifolia*".  
*Spiraea Hookeri* hort. ex Zabel, op. cit. 48 (1893), pro syn.
- S. tristis** [*S. fastigiata* × ?] Zabel, op. cit. 62 (1893). — Schneider, Ill. Handb. Laubh. **1**: 471, fig. 294h (1905) "*bella* × ?".  
*Spiraea Hookeri* hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 214 (1864). — Zabel, op. cit. 63 (1893), pro syn. — Dippel, Handb. Laubh. **3**: 482 (1893).
- S. micrantha** Hooker f., Fl. Brit. Ind. **2**: 324 (1878).  
*Spiraea callosa* var. *macrophylla* Hooker f. & Thomson in herb. ex Hooker f., l. c. (1878), pro syn.
- S. decumbens** Koch in Mertens & Koch, Röhlings Deutschl. Fl. ed. 3, **3**: 433 (1831); in Sturm, Deutschl. Fl. I. [Phan.] **14**: XII, 2, t. (1833). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, **1**: 19 (1900).  
*Spiraea flexuosa* sensu Reichenbach, Fl. Germ. Excurs. 627 (1832), non Cambessedes (1824).  
*Spiraea lancifolia* β. *decumbens* (Koch) Fiori & Paoletti, Fl. Anal. Ital. **1**: 563 (1898). — Pampanini in Nuov. Giorn. Bot. Ital. **29**: 87 (1923).  
*Spiraea procumbens* Hort. ex Zabel, Strauch. Spiräen, 79 (1893), pro syn.  
*Spiraea decumbens* a. *glabra* Pokorny, Pl. Lign. Imp. Austr. 370, t. 70, fig. 1324–25 (1864).
- S. lancifolia** Hoffmannsegg, Preisverz. Pflanz. VIII. Nachtr., 44 (1836). — Walpers, Repert. Bot. Syst. **2**: 50 (1843). — Maximowicz in Act. Hort. Bot. Petrop. **6**: 206 (1879). — Pampanini in Nuov. Giorn. Bot. Ital. **29**: 84 (1923).  
*Spiraea decumbens* β. *tomentosa* Pösch in Flora, **27**: 510 (1844). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, **1**: 19 (1900).  
*Spiraea Hacqueti* Fenzl & K. Koch in Gartenfl. **3**: 400 (1854). — Zabel, Strauch. Spiräen, 76 (1893).  
*Spiraea decumbens* b. *canescens* Pokorny, Pl. Lign. Imp. Austr. 370, t. 70, fig. 1326–27 (1864).  
*Spiraea decumbens* var. *mollis* K. Koch in herb. ex Schneider, Ill. Handb. Laubh. **1**: 468 (1906), pro syn.  
*Spiraea decumbens* var. *bellunensis* Bizzozero in Atti Istit. Venet. Sci. ser. 6, **1**: 582 (1883).  
*Spiraea lancifolia* var. *tomentosa* Pampanini in Nuov. Giorn. Bot. Ital. **29**: 84 (1923).
- S. pumilionum** (*S. decumbens* × *lancifolia*) Zabel in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**: 20 (1900).
- S. japonica** Linnaeus f., Suppl. Pl. 262 (1781). — Maximowicz in Act. Hort. Petrop. **6**: 203 (1879).  
*Spiraea callosa* Thunberg, Fl. Jap. 209 (1784). — Seringe in De Candolle, Prodr. **2**: 544 (1825).  
*Spiraea japonica* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 475 (1905), non Gilg (1904).
- S. japonica** var. **glabra** (Reg.) Koidzumi in Bot. Mag. Tokyo, **23**: 167 (1909); **43**: 402 (1929) "subsp."  
*Spiraea callosa* γ. *glabra* Regel in Ind. Sem. Hort. Petrop. **1869** (suppl.): 27 (1870).  
*Spiraea glabrata* Lange in Bot. Tidsskr. **13**: 29 (1882).  
*Spiraea japonica* var. *glabrata* Nicholson in Kew Handlist Trees Shrubs, **1**: 151 (1894).  
*Spiraea japonica* var. *typica* f. *glabra* Schneider, Ill. Handb. Laubh. **1**: 475 (1905).
- S. japonica** var. **ovalifolia** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 218 (Pl. David. **2**: 36. 1888) [1886].
- S. japonica** var. **acuminata** Franchet, l. c. (1886), l. c. [1888]. — Rehder in Jour. Arnold Arb. **13**: 301 (1832).  
*Spiraea Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. **9**: 322 (1911).  
*Spiraea Bodinieri* var. *concolor* Léveillé, l. c. (1911).  
*Spiraea Esquirolii* Léveillé, l. c. (1911).
- S. japonica** var. **Fortunei** (Planch.) Rehder in Bailey, Cycl. Am. Hort. [4]: 1703 (1902); in Sargent, Pl. Wilson. **1**: 451 (1913).  
*Spiraea callosa* sensu Lindley & Paxton, Flow. Gard. **2**: 113, fig. 191 (1851), non Thunberg (1784).  
*Spiraea Fortunei* Planchon in Fl. des Serr. **9**: 35, t. 871 (1853).  
*Spiraea japonica* subsp. *glabra* var. *Fortunei* Koidzumi in Bot. Mag. Tokyo, **43**: 402 (1929).
- S. japonica** f. **atrosanguinea** (Zab.) Schneider, Ill. Handb. Laubh. **1**: 475 (1905).  
*Spiraea japonica* var. *atrosanguinea* hort. ex Zabel, Strauch. Spiräen, 65 (1893).

**Spiraea** (continued)

- S. japonica** f. **ruberrima** (Zab.) Schneider, l. c. (1905).  
*Spiraea japonica* var. *ruberrima* hort. ex Zabel, l. c. (1893).
- S. japonica** f. **macrophylla** (Zabel) Zabel in Beissner et al., Handb. Laubh.-Ben. 155 (1903) "(f.)"—Schneider, Ill. Handb. Laubh. 1: 475 (1905).  
*Spiraea Fortunei macrophylla* Simon-Louis, Cat. (1866) ex Zabel, l. c. (1903), pro syn.  
*Spiraea japonica* var. *d. macrophylla* Zabel, Strauch. Spiräen, 65 (1893).
- S. Bumalda** [*S. albiflora* × *japonica*] Burvenich in Rev. Hort. Belg. 17: 12, t. (1891).—Koehne, Deutsche Dendr. 216 (1893).  
*Spiraea pumila* Zabel, Strauch. Spiräen, 65 (1893).—Schneider, Ill. Handb. Laubh. 1: 474 (1905).  
*Spiraea pumila* c. *Bumalda* (hort.) Zabel, Strauch. Spiräen, 66 (1893).  
*Spiraea japonica* var. *Bumalda* Bean, Trees Shrubs Brit. Isl. 2: 536 (1914).
- S. Bumalda** f. **Fröebelii** (Froeb.), grad. nov.  
*Spiraea callosa Fröebelii* Froebel, Kat. 117: 33 (1894), nom. subnud.  
*Spiraea pumila* (f.) *Fröebelii* Zabel in Beissner et al., Handb. Laubh.-Ben. 155 (1903).  
*Spiraea Bumalda* var. *Fröebelii* Rehder in Bailey, Stand. Cycl. Hort. 6: 3213 (1917).
- S. Bumalda** "Anthony Waterer" [Waterer ex] Anon. in Gard. Chron. ser. 3, 14: 365, fig. 57 (1893).  
*Spiraea bumalda* var. *Anthony-watereri* Moldenke in Boissiera, 7: 3 (1943).
- S. Bumalda** f. **pruhoniciana** (Zeman) Rehder in Jour. Arnold Arb. 26: 474 (1945).  
*Spiraea pruhoniciana* Kriechbaum in Gartenschönh. 6: 38 (1925) "*S. japonica ovalifolia* × *Bumalda* "Anthony Waterer," nom. subnud.—Zeman ex Schneider in Silva Tarouca & Schneider, Uns. Freiland-Laubgeh. ed. 3, 433 (1931).
- S. revirescens** [*S. amoena* × *japonica*] Zabel, Strauch. Spiräen, 69 (1893) "*S. expansa* × *japonica*".
- S. concinna** [*S. albiflora* × *amoena*] Zabel, op. cit. 70 (1893) "*S. albiflora* × *expansa*".
- S. Margaritae** (*S. japonica* × *superba* [*albiflora* × *corymbosa*]) Zabel, op. cit. 71 (1893).
- S. Foxii** (*corymbosa* × *japonica*) hort. ex Zabel, op. cit. 71 (1893).
- S. albiflora** (Miq.) Zabel in Syst. Verz. Gärt. Münden, 14 (1878); Strauch. Spiräen, 72 (1893).  
*Spiraea callosa* β. *albiflora* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 33 (Prol. Fl. Jap. 221) (1867).  
*Spiraea callosa alba* Clemenceau in Rev. Hort. 1868: 320 (1868).  
*Spiraea leucantha* Lange in Bot. Tidsskr. 13: 30 (1882).  
*Spiraea japonica alba* Nicholson, Ill. Dict. Gard. 3: 477 (1887).—Bean, Trees Shrubs Brit. Isl. 2: 536 (1914) "var."  
*Spiraea Fortunei alba* [Hort.] ex Saint-Paul in Mitt. Deutsch. Dendr. Ges. 1901(10): 67 (1901), pro syn.  
*Spiraea japonica* var. *albiflora* (Miq.) Koidzumi in Bot. Mag. Tokyo, 23: 167 (1909).
- S. bullata** Maximowicz in Act. Hort. Petrop. 6: 204 (1879).—Zabel, Strauch. Spiräen, 63 (1893).
- Spiraea crispifolia* Hort. ex Zabel, l. c. (1893), pro syn.  
*Spiraea japonica* var. *bullata* (Maxim.) Makino in Bot. Mag. Tokyo, 22: 120 (1908).
- S. Lemoinei** (*S. bullata* × *Bumalda*) Zabel, Strauch. Spiräen, 64 (1893).  
*Spiraea Bumalda ruberrima* Lemoine, Cat. 120: 24 (1892), an prius?
- S. superba** (*S. albiflora* × *corymbosa*) (Froeb.) Zabel ex Dieck, Haupt-Kat. Zöschchen, 75 (1885).—Zabel, Strauch. Spiräen, 73 (1893).  
*Spiraea callosa* var. *superba* Fröbel ex Zabel, l. c. (1893), pro syn.
- S. assimilis** [*S. Bumalda* × *splendens*] Zabel, op. cit. 74 (1893) "*S. betulifolia* × *pumila*".—Schneider, Ill. Handb. Laubh. 1: 475 (1905) "*S. pumila* × *arbuscula*".
- S. betulifolia** Pallas, Fl. Ross. 1: 33, t. 16 (1784).—Maximowicz in Act. Hort. Petrop. 6: 208 (1879).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 288 (1939).  
*Spiraea betulifolia* var. *typica* Schneider, Ill. Handb. Laubh. 1: 478, fig. 294n, 295s-s<sup>1</sup> (1905).  
*Spiraea betulifolia* subsp. *typica* a. *ochroleuca* Zabel, Strauch. Spiräen, 75 (1893).
- S. Fritschiana** Schneider in Bull. Herb. Boissier, sér. 2, 5: 347 (1905); Ill. Handb. Laubh. 1: 477 (1905).—Rehder in Sargent, Pl. Wilson. 1: 453 (1913).  
*Spiraea japonica* var. *typica* Gilg in Bot. Jahrb. 34, Beibl. 75: 39 (1904), non *S. japonica* Linnaeus f. (1781).  
*Spiraea angulata* Fritsch ex Schneider in Bull. Herb. Boissier, sér. 2, 5: 347 (1905); Ill. Handb. Laubh. 1: 477 (1905).  
*Spiraea koreana* Nakai in Jour. Coll. Sci. Tokyo, 26: 173 (Fl. Kor. I.) (1909); Repert. Sp. Nov. Reg. Veg. 13: 278 (1914); Fl. Sylv. Kor. 1: 16, t. 6 (1916).  
*Spiraea Fritschiana* var. *angulata* Rehder in Sargent, Pl. Wilson. 1: 453 (1913).  
*Spiraea koreana* var. *macrogyne* Nakai in Bot. Mag. Tokyo, 27: 131 (1913), nom.  
*Spiraea microgyne* Nakai, Rep. Veg. Mt. Chirisan, [36, 67, 80, 84] (1915), nom.; Fl. Sylv. Kor. 4: 15, t. 4 (1916).
- S. corymbosa** Rafinesque, Précis Découv. 36 (1814); New Fl. N. Am. 3: 70 [1838] "*Spirea*".—Rydberg in N. Am. Fl. 22: 248 (1908).  
*Spiraea betulifolia* sensu Pursh, Fl. Am. Sept. 1: 342 (1814), non Pallas (1784).  
*Spiraea ceanothifolia* Hornemann, Hort. Reg. Bot. Hafn. 2: 466 (1815).  
*Spiraea crataegifolia* Link, Enum. Hort. Berol. 2: 40 (1822).—Guimpel, Otto & Hayne, Abbild. Fremd. Holzt. 104, t. 82 (1825).  
*Spiraea sororia* Penny ex Loudon, Hort. Brit. ed. 2, Suppl. 1: 600 (1832).  
*Spirea ostryfolia* Rafinesque, New Fl. N. Am. 3: 69 [1838].  
*Spirea repens* Rafinesque, op. cit. 70 [1838].  
*Spiraea betulifolia* var. 2. *S. corymbosa* Maximowicz in Act. Hort. Petrop. 6: 209 (1879).—Zabel, Strauch. Spiräen, 75 (1893) "[subsp.] v. c."  
*Spiraea corymbosa* var. *typica* Schneider, Ill. Handb. Laubh. 1: 479 (1905).
- S. virginiana** Britton in Bull. Torrey Bot. Club, 17: 314 (1890).—Britton & Brown, Ill. Fl. N. U. S. 2: 197, fig. 1886 (1897).—Rydberg in N. Am. Fl. 22: 249 (1908).

- S. virginiana** f. *serrulata* (Rehd.), grad. nov.  
*Spiraea virginiana* var. *serrulata* Rehder in Jour. Arnold Arb. 1: 260 (1920).
- S. lucida** Douglas ex Greene in Pittonia, 2: 221 (1892). — Rydberg in N. Am. Fl. 22: 248 (1908).  
*Spiraea lucida* Douglas ex Hooker, Fl. Bor.-Am. 1: 176 [1834], pro syn.  
*Spiraea betulifolia* sensu Hooker, op. cit. 172 [1834], non Pallas (1784).  
*Spiraea corymbosa* (f.) *lucida* (Hook.) Zabel in Beissner et al., Handb. Laubh.-Ben. 157 (1903). — Schneider Ill. Handb. Laubh. 1: 479 (1905).
- S. densiflora** Nuttall ex Rydberg in N. Am. Fl. 22: 248 (1908).  
*Spiraea densiflora* Nuttall msc. ex Torrey & Gray, Fl. N. Am. 1: 414 (1840), pro syn.  
? *Spiraea arbuscula* var. *typica* Schneider, Ill. Handb. Laubh. 1: 480 (1905), non *S. a.* Greene (1895).
- S. splendens** Baumann ex K. Koch in Monatsschr. Ver. Beförd. Gartenb. Preuss. 18: 294 (1875); 20: 5 (1877); in Gard. Chron. n. ser., 7: 245 (1877).  
*Spiraea betulifolia* var. *rosea* Gray in Proc. Am. Acad. Arts Sci. 8: 381 (1872).  
*Spiraea lucida* var. *rosea* Greene in Pittonia, 2: 221 (1892).  
*Spiraea rosea* Koehne, Deutsche Dendr. 218 (1893), non Rafinesque (1838).  
*Spiraea arbuscula* var. *pubigera* Schneider, Ill. Handb. Laubh. 1: 480 (1905).
- Sect. III. SPIRARIA Seringe in De Candolle, Prodr. 2: 544 (1825). — Rafinesque, New Fl. N. Am. 3: 62 [1838] "*Spirea* subgen. *Spirenia*" err. typogr. — Maximowicz in Act. Hort. Petrop. 6: 209 (1879). — Schneider Ill. Handb. Laubh. 1: 480 (1905).  
*Spirea* subgen. *Drimopogon* Raf. (1815) ex Rafinesque, Sylva Tellur. 151 (1838).  
*Spiraea* subgen. *Spiraria* [sect.] b. *Pachystachya* et c. *Euspiraria* Zabel, Strauch. Spiräen, 50, 79, 95 (1893).  
*Spiraea* subgen. *Protospiraea* sect. *Spiraria* Seringe ex Nakai, Fl. Sylv. Kor. 4: 12, 13 (1916).
- S. fontenaysii** [*S. canescens* × *salicifolia*] Lebas in Rev. Hort. 1866: 300 (1866). — Billiard ex Zabel, Strauch. Spiräen, 83 (1893).  
*Spiraea fontenaysiensis* Dippel, Handb. Laubh. 3: 490 (1893).
- S. fontenaysii** f. *alba* Zabel, Strauch. Spiräen, 84 (1893) "*?S. canescens* × *latifolia*".  
*Spiraea grata* Dippel, Handb. Laubh. 3: 491 (1893).
- S. fontenaysii** f. *rosea* (Lebas) Zabel, l. c. (1893).  
*Spiraea Fontenaysii rosea* Lebas in Rev. Hort. 1866: 300 (1866).
- S. brachybotrys** (*S. canescens* × *Douglasii*) Lange in Bot. Tidsskr. 13: 26 (1882). — Schneider, Ill. Handb. Laubh. 1: 469 (1905).  
*Spiraea pruinosa* Hort. Muscav. ex Zabel, Strauch. Spiräen, 84 (1893).  
*Spiraea luxuriosa* Lavallée ex Zabel in Beissner et al., Handb. Laubh.-Ben. 157 (1903), pro syn.
- S. microthyrsa** (*S. alba* × *media*) Zabel, Strauch. Spiräen, 83 (1893).
- S. brumalis** [*S. amoena* × *latifolia*] Lange in Bot. Tidskr. 3: 28 (1882). — Zabel, op. cit. 89 (1893); in Beissner et al., Handb. Laubh.-Ben. 158 (1903) "*S. expansa* × *latifolia*".
- S. pyramidata** [*S. lucida* × *Menziesii*] Greene in Pittonia, 2: 221 (1892). — Schneider, Ill. Handb. Laubh. 1: 482 (1905). — Rydberg in N. Am. Fl. 22: 250 (1908).
- S. conspicua** (*S. albiflora* × *latifolia*) Zabel ex Dieck, Haupt-Kat. Zöschén, 75 (1885). — Zabel, Strauch. Spiräen, 90 (1893).
- S. syringaeiflora** (*S. albiflora* × *salicifolia*) Lemoine, [Cat.] 120: 24 (1892), nom. — Zabel, Strauch. Spiräen, 87 (1893); in Beissner et al., Handb. Laubh.-Ben. 158 (1903) "*syringiflora*".
- S. semperflorens** (*S. japonica* × *salicifolia*) hort. ex Zabel, Strauch. Spiräen, 86 (1893).  
*Spiraea semperflorens* hort. ex Dieck, Haupt-Kat. Zöschén, 76 (1885), nom.  
*Spiraea callosa* var. *sempervlorens* hort. ex Zabel, l. c. (1893), pro syn.  
*Spiraea kamaonensis* var. *spicata* Billiard ex Zabel, l. c. (1893), pro syn.  
*Spiraea semperflorens* f. *typica* et f. *spicata* Zabel, op. cit. 86, 87 (1893).  
*Spiraea spicata* Dippel, Handb. Laubh. 3: 486 (1893).  
*Spiraea Fortunei* var. *sempervlorens* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 158 (1903), pro syn.
- S. notha** (*S. corymbosa* × *latifolia*) Zabel ex Dieck, Haupt-Kat. Zöschén, 76 (1885), nom. — Zabel, Strauch. Spiräen, 91 (1893).
- S. sanssouciana** [*S. Douglasii* × *japonica*] K. Koch in Berlin. Allg. Gartenzeit. 1857: 214 (1857); Dendr. 1: 314 (1869). — Zabel, Strauch. Spiräen, 89 (1893). — Schneider, Ill. Hand. Laubh. 1: 476 (1905).  
*Spiraea Nobleana* Hooker in Bot. Mag. 86: t. 5969 (1860).  
*Spiraea Fortunei subpaniculata* Jacques in Jour. Soc. Hort. France, 8: 233 (1862).  
? *Spiraea Fortunei paniculata* Carrière in Rev. Hort. 1860: 495, fig. 100, 101 (1860); 1874: 410 (1874).  
? *Spiraea Regeliana* Rinz ex Kirchner in Petzold & Kirchner, Arb. Muscav. 222 (1864). — Dippel, Handb. Laubh. 3: 497 (1893).  
*Spiraea Douglasii* var. *Nobleana* S. Watson in Brewer & Watson, Bot. Calif. 1: 169 (1876).  
*Spiraea japonica paniculata* hort. ex Zabel, Strauch. Spiräen, 89 (1893), pro syn.  
? *Spiraea longifolia* Dippel, op. cit. 494 (1893).
- S. Watsoniana** (*S. Douglasii* × *splendens*) Zabel in Mitt. Deutsch. Dendr. Ges. 1907(16): 79 [1908]. — Schneider, Ill. Handb. Laubh. 2: 960 (1912), "*S. densiflora* × *Douglasii*".  
*Spiraea Nobleana* sensu Zabel, Strauch. Spiräen, 93 (1893) "*S. betulifolia* × *Douglasii*"; non Hooker (1860).  
? *Spiraea subvillosa* Rydberg in N. Am. Fl. 22: 251 (1908) "*? S. Douglasii* × *densiflora*".  
? *Spiraea brachystachys* Dippel, Handb. Laubh. 3: 495 (1893).
- S. pachystachys** (*S. corymbosa* × *Douglasii*) K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 3: 218 (1860) "*Douglasii* × *callosa*". — Hort. ex Zabel, Strauch. Spiräen, 94 (1893).  
*Spiraea pachysandra* hort. ex Zabel, l. c. (1893), pro syn.  
*Spiraea pulchra* hort. ex Zabel, l. c. (1893), pro syn.  
*Spiraea magnifica* Dippel, Handb. Laubh. 3: 489 (1893).  
? *Spiraea venusta* Dippel, op. cit., 493 (1893).  
? *Spiraea oblongifolia* Dippel, op. cit. 493 (1893), non Waldstein & Kitaibel (1812).

***Spiraea pachystachys* (continued)**

?*Spiraea majestica* Dippel, op. cit. 494 (1893).

?*Spiraea brachystachys* Dippel, op. cit. 495 (1893).

**S. intermedia** (*S. albiflora* × *Douglasii*) Lemoine ex Zabel, Strauch. Spiräen, 88 (1893).

*Spiraea intermedia* Lemoine Cat. 109: 26 (1888), nom.

**S. rubra** [*S. amoena* × *Douglasii*] hort. ex Zabel, op. cit. 85 (1893) "*S. Douglasii* × *expansa*".

?*Spiraea expansa rubra* hort. ex Zabel, l. c. (1893), pro syn.

*Spiraea ruberrima* Dippel, Handb. Laubh. 3: 482 (1893).

**S. salicifolia** Linnaeus, Sp. Pl. 489 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 21 (1900).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 286 (1939).

*Spiraea salicifolia* a. *lanceolata* sensu Maximowicz in Act. Hort. Petrop. 6: 210 (1879).—Nakai, Fl. Sylv. Kor. 4: 13, t. 3 (1916).—Non Torrey & Gray (1840).

**S. salicifolia** f. *grandiflora* (Lodd.) Schneider, Ill. Handb. Laubh. 1: 481 (1905).

*Spiraea grandiflora* Loddiges, Bot. Cab. 20: t. 1988 (1833), non Lindley (1830).

*Spiraea salicifolia* var. 5. *grandiflora* Loudon, Arb. Brit. 2: 730, fig. 442 (1838).

**S. rosalba** (*S. alba* × *salicifolia*) Dippel, Handb. Laubh. 3: 484 (1893).

**S. rubella** (*S. latifolia* × *salicifolia*) Dippel, op. cit. 484 (1893).

?*Spiraea hybrida* Kirchner in Petzold & Kirchner, Arb. Muscav. 221 (1864).

**S. alba** Du Roi, Harbk. Baumz. 2: 430 (1772).—Rydberg in N. Am. Fl. 22: 250 (1908).

*Spiraea tomentosa alba* Marshall, Arbust. Am. 147 (1785), non Weston (1770).

*Spiraea salicifolia* β. *paniculata* Aiton, Hort. Kew. 2: 198 (1789).—Willdenow, Sp. Pl. 2: 1055 [1800] "γ".

*Spiraea cuneifolia* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1455 (1803).

*Spiraea lanceolata* Borkhausen, op. cit. 1457 (1803).

*Spiraea undulata* Borkhausen, Vers. Forstbot. Beschr. Catzenell. Holzart. 65 (1790).

*Spiraea lancifolia* Hoffmannsegg ex K. Koch, Dendr. 1: 313 (1869), pro syn.; non Hoffmannsegg (1825).

*Spiraea paniculata* (Willd.) G. Don, Gen. Hist. Dichlam. Pl. 2: 520 (1832).

*Spiraea flexuosa* Rafinesque, New Fl. N. Am. 3: 64 [1838], non Cambessèdes (1824).

*Spiraea ciliata* Rafinesque, op. cit. 66 [1838].

*Spiraea salicifolia* β. *lanceolata* Torrey & Gray, Fl. N. Am. 1: 415 (1840).

*Spiraea salicifolia* a. *linearis* Wenzig in Flora, 71: 280 (1888).

*Spiraea alba* var. *typica* Schneider, Ill. Handb. Laubh. 1: 481 (1905).

*Spiraea alba* f. *lanceolata* (Torr. & Gr.) Schneider, l. c. (1905).

*Spiraea alba* f. *paniculata* (Ait.) Schneider, l. c. (1905).

**S. difformis** (*S. alba* × *corymbosa*) Zabel, Strauch. Spiräen, 96 (1893).

**S. latifolia** (Ait.) Borkhausen, Theor.-Prakt. Handb. Forstbot. 2: 1871 (1803).—Rydberg in N. Am. Fl. 22: 249 (1908).

*Spiraea salicifolia* γ. *latifolia* Aiton, Hort. Kew. 2: 198 (1789).

*Spiraea carpinifolia* Willdenow, Enum. Hort. Berol. 540 (1809).

*Spiraea crenata* sensu Muhlenberg, Cat. Pl. Am. Sept. 49 (1813), nom.; non Linnaeus (1753).

*Spiraea alba* sensu Watson, Dendr. Brit. 2: t. 133 (1825), non Du Roi (1772).

*Spiraea amena* Rafinesque, New Fl. N. Am. 3: 65 [1838].

*Spiraea ovata* Rafinesque, l. c. [1838].

*Spiraea heterophylla* Rafinesque, l. c. [1838].

*Spiraea obovata* Rafinesque, op. cit. 66 [1836], non Willdenow (1809).

*Spiraea canadensis* hort. ex Zabel, Strauch. Spiräen, 99 (1893), pro syn.

*Spiraea bethlehemensis alba* hort. ex Zabel, l. c. (1893), pro syn.

*Spiraea carpinifolia incarnata* hort. ex Zabel, l. c. (1893), pro syn.

*Spiraea salicifolia* (subf.) *bethlehemensis* Zabel in Beissner et al., Handb. Laubh.-Ben. 160 (1903).

*Spiraea latifolia* var. *typica* Fernald in Rhodora, 19: 255 (1917).

**S. latifolia** var. *septentrionalis* Fernald, l. c. (1917).

**S. Menziesii** Hooker, Fl. Bor.-Am. 1: 173 [1834].—Rydberg in N. Am. Fl. 22: 251 (1908).

*Spiraea cuneifolia* Rafinesque New Fl. N. Am. 3: 67 [1838], non Borkhausen (1803), nec Wallich (1829), nom.

*Spiraea Douglasii* var. *Menziesii* Presl, Epimel. Bot. 195 (1849).

*Drimopogon Menziesii* Rafinesque ex B. D. Jackson in Index Kew. 1: 799 [1893], pro syn.

*Eleiosina cuneifolia* Rafinesque ex B. D. Jackson in Index Kew. 1: 829 [1893], pro syn.

**S. Billiardii** (*S. Douglasii* × *salicifolia*) Herincq in Hort. Franç. 1855: 3, t. 2 (1855) "*Spiraea Billardi*".—Schneider, Ill. Handb. Laubh. 1: 481 (1905).

*Spiraea eximia* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 3: 218 (1860), nom. subnud.—Dippel, Handb. Laubh. 3: 488 (1893).

*Spiraea Menziesii* (f.) *Billardi*, (f.) *Lenneana* (hort. Petrop.), (f.) *triumphans* (hort.), (f.) *eximia* (hort.) Zabel, Strauch. Spiräen, 101 (1893).

*Spiraea Constantiae* hort. ex Zabel, op. cit. 102 (1893), pro syn.—Dippel, Handb. Laubh. 3: 486 (1893).

?*Spiraea obovata* Dippel, op. cit. 487 (1893), non Willdenow (1809).

*Spiraea speciosa* Dippel, op. cit. 487 (1893).

*Spiraea Douglasii* × *salicifolia* Anon. in Bull. Missouri Bot. Gard. 9: 110, t. 27 (1921).

**S. fulvescens** (*S. Douglasii* × *tomentosa*) Dippel, Handb. Laubh. 3: 490 (1893).

*Spiraea Menziesii* var. *eriphylla* Zabel, Strauch. Spiräen, 102 (1893).

*Spiraea californica* Hort. gall. ex Dieck, Haupt-Kat. Zöschchen, 76 (1885), nom. subnud.—Zabel, l. c. (1893), pro syn.

*Spiraea Menziesii* (f.) *angustifolia* Zabel, l. c. 102 (1893).

*Spiraea angustifolia* Dippel, Handb. Laubh. 3: 487 (1893) "*alba* × *Douglasii*".

**S. macrothyrsa** (*S. Douglasii* × *latifolia*) Dippel, op. cit. 489 (1893).

*Spiraea Menziesii* (f.) *macrothyrsa* Zabel, Strauch. Spiräen, 103 (1893).

*Spiraea californica* Hort. germ. ex Zabel, l. c. (1893), pro syn.

- S. Douglasii** Hooker, Fl. Bor.-Am. 1: 172 [1834].—Torrey & Gray, Fl. N. Am. 1: 415 (1840).—Rydberg in N. Am. Fl. 22: 251 (1908).  
*Drimopogon Douglasi* Rafinesque ex B. D. Jackson, Index Kew. 1: 799 [1893], pro syn.
- S. tomentosa** Linnaeus, Sp. Pl. 489 (1753).—Torrey & Gray, Fl. N. Am. 1: 415 (1840).—Rydberg in N. Am. Fl. 22: 252 (1908).  
*Spiraea tomentosa* var. 1. *pumila*, 2. *paniculata*, 4. *ferruginea*, 5. *virgata* Rafinesque, Med. Fl. 2: 92 (1830), nom.  
*Spiraea rosea* (p. 62), *S. ferruginea* (p. 63), *S. glomerata*, *S. parvifolia* Rafinesque, New Fl. N. Am. 3: 62–63 [1838].  
*Drimopogon ferruginea*, *D. glomerata*, *D. parvifolia*, *D. rosea*, *D. tomentosa* Rafinesque ex B. D. Jackson in Index Kew. 1: 799 [1893], pro syn.
- S. tomentosa** f. *alba* [Weston] Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 221 (1916).  
*Spiraea tomentosa* 2. *alba* Weston, Bot. Univ. 1: 284 (1770).—W. N. Harrison in Florists' Exch. 8: 833, fig. (1896); in Gardening, 5: 149, fig. (1897) "var."  
*Spiraea tomentosa* var. 3. *albiflora* Rafinesque, Med. Fl. 2: 92 (1830), nom.—Macbride in Rhodora, 17: 143 (1914) "*Spiraea* t. f. a."
- S. pallidiflora** (*S. Menziesii* × *tomentosa*) Zabel, Strauch. Spiräen, 105 (1893).
- S. subcanescens** (*S. palba* × *tomentosa*) Rydberg in N. Am. Fl. 22: 252 (1908).
- PENTACTINA** Nakai in Bot. Mag. Tokyo, 31: 17 (1917); Rep. Veg. Diamond Mts. 174, t. 1 (1918).—Mori, Enum. Pl. Corea, 188, t. 3 (1922).
- P. rupicola** Nakai, l. c. (1917).—Wilson in Gard. Chron. ser. 3, 73: 331, fig. 158 (1923).
- SIBIRAEAE** Maximowicz in Act. Hort. Petrop. 6: 215 (1879).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 306 (1939).  
*Eleiosina* Rafinesque, Sylva Tellur. 150 (1838), p. p.  
*Spiraea* subgen. *Botryospira* Zabel in Garten-Zeit. 3: 494 (1884), p. p. quoad sp. 2.  
Typus: *Spiraea laevigata* L. = *S. laevigata* (L.) Maxim.
- S. laevigata** (L.) Maximowicz in Act. Hort. Petrop. 6: 215 (1879).—Schneider, Ill. Handb. Laubh. 1: 808 (1906).—Rehder in Sargent, Pl. Wilson. 1: 455 (1913).  
*Spiraea laevigata* Linnaeus, Mant. Pl. 2: 244 (1771, Oct.)  
*Spiraea altaicensis* Laxmann in Nov. Comm. Acad. Sci. Petrop. 15: 554, t. 29 (read June, 1771) (1771, Nov.).  
*Spiraea altaica* Pallas, Reise Russ. Reich. 2,2(Add.): 739, t. T (1773); Fl. Ross. 1: 37, t. 23 (1784).  
*Spiraea bracteata* Rafinesque, New Fl. N. Am. 3: 67 [1838].  
*Eleiosina altaica*, *E. bracteata*, *E. levigata* Rafinesque ex B. D. Jackson in Index Kew. 1: 829 [1893], pro syn.  
*Sibiraea altaicensis* Schneider, Ill. Handb. Laubh. 1: 486, fig. 297e-f, 298i-p (1905).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 306, t. 18, fig. 4 (1939).
- S. laevigata** var. *angustata* Rehder in Sargent, Pl. Wilson. 1: 455 (1913).
- S. laevigata** var. *croatica* (Degen) Schneider in Dörfner, Herb. Norm. Sched. Cent. 47: 193 (1906); Ill. Handb. Laubh. 2: 961 (1912).  
*Sibiraea croatica* Degen in Magyar Bot. Lapok, 4: 255 (1905).
- S. tomentosa** Diels in Notes Bot. Gard. Edinb. 5: 270 (1912).
- PETROPHYTUM** (Torr. & Gr.) Rydberg in Mem. New York Bot. Gard. 1: 206 (1900); in N. Am. Fl. 22: 252 (1908).  
*Spiraea* § 6. (*Petrophytum* Nutt. mss.) Torrey & Gray, Fl. N. Am. 1: 418 (1840).  
*Spiraea* subgen. *Botryospira* Zabel in Garten-Zeit. (Wittmack) 3: 494 (1884); Strauch. Spiräen, 7 (1893), p. p.  
Typus: *Spiraea caespitosa* Torr. & Gr. = *P. caespitosum* (Torr. & Gr.) Rydb.
- P. caespitosum** (Torr. & Gr.) Rydberg in Mem. New York Bot. Gard. 1: 206 (1900); in N. Am. Fl. 22: 253 (1908).—Schneider, Ill. Handb. Laubh. 1: 484, fig. 297c-d<sup>1</sup> (1905).  
*Spiraea caespitosa* Nuttall ex Torrey & Gray, Fl. N. Am. 1: 418 (1840).  
*Eriogynia caespitosa* S. Watson in Bot. Gaz. 15: 242 (1890).  
*Luetkea caespitosa* Kuntze, Rev. Gen. Pl. 1: 217 (1891).
- P. cinerascens** (Piper) Rydberg in N. Am. Fl. 22: 253 (1908).  
*Spiraea cinerascens* Piper in Erythraea, 7: 171 (1899).  
*Luetkea cinerascens* Heller in Muhlenbergia, 1: 53 (1904).
- LUETKEA** Bongard in Mém. Acad. Sci. St. Pétersb. sér. 6, 2: 130 (Obs. Vég. Sitcha, 12. 1832) (1833) "*Lütkea*".—Rydberg in N. Am. Fl. 22: 254 (1908).  
*Eriogynia* Hooker, Fl. Bor.-Am. 1: 255 [1834].  
Typus: *L. Sibbaldioides* Bong. = *L. pectinata* (Pursh) Kuntze.
- L. pectinata** (Pursh) Kuntze, Rev. Gen. Pl. 1: 217 (1891).—Rydberg in N. Am. Fl. 22: 255 (1908).  
*Saxifraga pectinata* Pursh, Fl. Am. Sept. 312 (1814).  
*Lütkea Sibbaldioides* Bongard in Mém. Acad. Sci. St. Pétersb. sér. 6, 2: 130 (Obs. Vég. Sitcha, 12. 1832) (1833).  
*Eriogynia pectinata* Hooker, Fl. Bor.-Am. 1: 255 [1834].  
*Spiraea pectinata* Torrey & Gray, Fl. N. Am. 1: 417 (1840).  
*Saxifraga caespitosa* A. Gray in Proc. Am. Acad. Arts Sci. 8: 383 (1870).
- SORBARIA** (Ser.) A. Braun in Ascherson, Fl. Brandenb. 177 (1864).—Maximowicz in Act. Hort. Petrop. 6: 222 (1879).—Nom. Conserv.; cf. Règl. Internat. Nomencl. Bot. 81, no. 3323 (1906).  
*Spiraea* sect. *Sorbaria* Seringe in De Candolle, Prodr. 2: 545 (1825).  
*Schizonotus* Lindley ex Wallich, Num. List, no. 703 (1829), nom.—Lindley, Introd. Nat. Syst. Bot. 81 (1830).—Rydberg in N. Am. Fl. 22: 257 (1908).  
*Basilima* Rafinesque (1815), New Fl. N. Am. 3: 75 [1838].—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 29 (1900).  
*Basilima* subgen. *Sorbaria* Zabel, Strauch. Spiräen, 115 (1893).  
Typus: *Spiraea sorbifolia* L. = *Sorbaria sorbifolia* (L.) A. Br.
- S. sorbifolia** (L.) A. Braun in Ascherson, Fl. Brandenb. 177 (1864).  
*Spiraea sorbifolia* Linnaeus, Sp. Pl. 490 (1753).  
*Spiraea pinnata* Moench, Meth. Pl. 663 (1794).  
*Basilima sorbifolia* Rafinesque, New Fl. N. Am. 3: 75 [1838].



**Sorbaria sorbifolia** (*continued*)

- Schizonotus sorbifolius* Lindl. ex Steudel, Nomencl. Bot. ed. 2, **2**: 531 (1841).—Rydberg in N. Am. Fl. **22**: 257 (1908).  
*Sorbaria sorbifolia* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 488 (1905).  
**S. sorbifolia** var. *stellipila* Maximowicz in Act. Hort. Petrop. **6**: 223 (1879).—Nakai, Fl. Sylv. Kor. **4**: 8, t. 1 (1916).  
*Sorbaria stellipila* Schneider, Ill. Handb. Laubh. **1**: 489, fig. 297r-r<sup>1</sup>, 299e (1905).  
*Sorbaria stellipila* var. *typica* Schneider, op. cit. 490 (1905).  
**S. grandiflora** (Sweet) Maximowicz in Act. Hort. Petrop. **6**: 223 (1879).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 344 (1940).  
*Spiraea sorbifolia* var. *pusilla* Pallas, Fl. Ross. **1**: 38, t. 25 (1784), var. *alpina pygmaea* in tab.  
*Spiraea sorbifolia* β. *alpina* Seringe in De Candolle, Prodr. **2**: 545 (1825).  
*Spiraea grandiflora* Sweet, Hort. Brit. ed. 2, 194 (1830).  
*Spiraea Pallasii* G. Don, Gen. Hist. Dichlam. Pl. **2**: 520 (1832).  
*Basilima pygmaea* Rafinesque, New Fl. N. Am. **3**: 76 [1838].  
*Basilima alpina* Koehne, Deutsche Dendr. 223 (1893).—Zabel, Strauch. Spiräen, 115 (1893).  
*Sorbaria alpina* Dippel, Handb. Laubh. **3**: 503, fig. 227 (1893).  
*Sorbaria Pallasii* (G. Don) Poiarkova in Komarov, Fl. S. S. S. R. **9**: 315, t. 19, fig. 7 (1939).  
**S. assurgens** Vilmorin & Bois, Frutic. Vilmor. 74, fig. (1904), nom. subnud.—Rehder in Mitt. Deutsch. Dendr. Ges. **1908**(17): 158 (1908); in Repert. Sp. Nov. Reg. Veg. **8**: 344 (1910).  
*Spiraea assurgens* (Vilmor.) Bean, Trees Shrubs Brit. Isl. **3**: 462 (1933).  
**S. tomentosa** (Lindl.) Rehder in Jour. Arnold Arb. **19**: 75 (1938).  
*Spiraea Lindleyana* Wallich, Num. List, no. 703 (1829), nom.—Lindley in Bot. Reg. **31**: t. 33 (1845).  
*Schizonotus tomentosus* Lindley in Bot. Reg. **26**(Misc.): 71 (1840).  
*Spiraea sorbifolia* L. δ. *Lindleyana* (Wall.) K. Koch, Hort. Dendr. 108 (1853).  
*Spiraea sorbifolia* sensu Hooker f., Fl. Brit. Ind. **2**: 324 (1878), non Linnaeus (1753).  
*Schizonotus Lindleyanus* Wallich ex Steudel, Nomencl. Bot. ed. 2, **2**: 531 (1841).  
*Sorbaria Lindleyana* (Lindl.) Maximowicz in Act. Hort. Petrop. **6**: 224 (1879).  
*Basilima Lindleyana* (Wall.) Kuntze, Rev. Gen. Pl. **1**: 215 (1891).—Zabel, Strauch. Spiräen, 117 (1893).  
**S. arborea** Schneider, Ill. Handb. Laubh. **1**: 490 (1905); Repert. Sp. Nov. Reg. Veg. **1**: 3 (1905).  
*Spiraea arborea* Bean in Kew Bull. **1914**: 53, t. (1914).  
*Spiraea arborea grandis* Gibbs ex Anon. in Gard. **77**: 424, fig. (1913).  
**S. arborea** var. *subtomentosa* Rehder in Sargent, Pl. Wilson. **1**: 47 (1913).  
**S. arborea** var. *glabrata* Rehder, op. cit. 48 (1913).  
*Spiraea arborea* var. *glabrata* Bean in Jour. Hort. Soc. Lond. **40**: 222, fig. 51 (1914).  
*Schizonotus arboreus* var. *glabratus* [Nash] in Jour. New York Bot. Gard. **19**: 141 (1918), nom.

- S. Aitchisoni** Hemsley in Gard. Chron. ser. 3, **28**: 254, fig. 75 (1900), nom. altern.—Rehder in Möller's Deutsch. Gärt.-Zeit. **16**: 17, fig. (1901).  
*Spiraea sorbifolia* var. *angustifolia* Wenzig in Flora, **71**: 283 (1888).  
*Spiraea Aitchisoni* Hemsley in Gard. Chron. ser. 3, **28**: 254, fig. 75 (1900), nom. altern.  
*Sorbaria angustifolia* Zabel in Beissner et al., Handb. Laubh.-Ben. 163 (1903).—Schneider, Ill. Handb. Laubh. **1**: 491, fig. 297l-l<sup>1</sup>, 299f (1905).  
*Schizonotus Aitchisoni* (Hemsl.) Skeels in U. S. Dept. Agric. Bur. Pl. Indust. Seeds Pl. Imp. Invent. **27**: 38 (1912).

- CHAMAEBATIARIA** (Porter) Maximowicz in Act. Hort. Petrop. **6**: 225 (1879).—Rydberg in N. Am. Fl. **22**: 257 (1908).  
*Spiraea* §. *Chamaebatiaria* Porter ex Brewer & Watson, Bot. Calif. **1**: 170 (1876).  
*Basilima* subgen. *Chamaebatiaria* (Porter) Zabel, Strauch. Spiräen, 115 (1893).  
 TYPE: *Spiraea Millefolium* Torr. = *C. Millefolium* (Torr.) Maxim.

- C. Millefolium** (Torr.) Maximowicz in Act. Hort. Petrop. **6**: 225 (1879).—Rydberg in N. Am. Fl. **22**: 257 (1908).  
*Spiraea Millefolium* Torrey in U. S. War Dept. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. **4**: 83 [1857].  
*Sorbaria Millefolium* Focke in Nat. Pflanzenfam. III. **2**: 16 (1888).  
*Basilima Millefolium* Greene, Fl. Francisc. 57 (1891).—Kuntze, Rev. Gen. Pl. **1**: 251 (1891).

- EXOCHORDA** Lindley in Gard. Chron. **1854**: 925 (1854).—Bentham & Hooker f., Gen. Pl. **1**: 612 (1865).—Maximowicz in Act. Hort. Petrop. **6**: 230 (1879).—Hallier in Meded. Rijks Herb. Leyd. **35**: 29 (1918).  
 TYPE: *Spiraea grandiflora* Hook. = *E. racemosa* (Lindl.) Rehd.

- E. racemosa** (Lindl.) Rehder in Sargent, Pl. Wilson **1**: 456 (1913).  
*Amelanchier racemosa* Lindley in Bot. Reg. **33**: t. 38, p. [2] (1847).  
*Spiraea grandiflora* Hooker in Bot. Mag. **80**: t. 4795 (1854), non Sweet (1830), nec Loddiges (1833).  
*Exochorda grandiflora* Lindley in Gard. Chron. **1858**: 925 (1858).—Maximowicz in Act. Hort. Petrop. **6**: 230 (1879).  
*Exochorda racemosa* Schneider, Ill. Handb. Laubh. **1**: 494 (1905), nom. event.

- E. racemosa** f. *prostrata* (Schwerin), grad. nov.  
*Exochorda grandiflora* (f.) *prostrata* Schwerin in Mitt. Deutsch. Dendr. Ges. **1907**(16): 255 (1908).—Schneider, Ill. Handb. Laubh. **2**: 962 (1912) "var."  
*Exochorda racemosa* var. *prostrata* Rehder in Bailey, Stand. Cycl. Hort. **2**: 1194 (1914).

- E. racemosa** var. *dentata* (Chenault) Rehder in Jour. Arnold Arb. **7**: 24 (1926).  
*Exochorda dentata* Chenault ex Rehder, l. c. (1926), pro syn.

- E. macrantha** [*E. Korolkowi* × *racemosa*] (Lemoine) Schneider, Ill. Handb. Laubh. **1**: 493 (1905) "*E. albertii* × *grandiflora*".—Rehder in Bailey, Stand. Cycl. Hort. **2**: 1195 (1914).  
*Exochorda Albertii macrantha* Lemoine, Cat. **152**: vii (1902).—Teschendorff in Möller's Deutsch. Gärt.-

- Zeit. **17**: 485, fig. (1902).—Foussat in Rev. Hort. **1903**: 18, fig. 5 (1903).
- Exochorda Alberti grandiflora* Morel in Lyon Hort. **1902**: 228, fig. (1902); in Rev. Hort. **1903**: 66, fig. (1903).
- E. Giraldui** Hesse in Mitt. Deutsch. Dendr. Ges. **1903**(17): 191, 219 (1908); **1909**(18): 295, fig. [1910?]; in Repert. Sp. Nov. Reg. Veg. **8**: 347 (1910); descr. manca.—Bean, Trees Shrubs Brit. Isl. **1**: 458, fig. (1914).—Rehder in Mitt. Deutsch. Dendr. Ges. **1914**(23): 257 [1915].
- Exochorda racemosa* var. *Giraldui* Rehder in Sargent, Pl. Wilson. **1**: 457 (1913).
- E. Giraldui** var. *Wilsonii* (Rehd.) Rehder in Bailey, Stand. Cycl. Hort. **2**: 1194 (1914); in Mitt. Deutsch. Dendr. Ges. **1914**(23): 258 [1915].
- Exochorda racemosa* var. *Wilsonii* Rehder in Sargent, Pl. Wilson. **1**: 450 (1913).
- E. serratifolia** S. Moore in Hooker's Icon. Pl. **13**: t. 1255 (1877).—Maximowicz in Act. Hort. Petrop. **6**: 231 (1879).—Nakai, Fl. Sylv. Kor. **4**: 10, t. 2 (1916).
- Exochorda serratifolia* var. *typica* Nakai in Bot. Mag. Tokyo, **42**: 469 (1928).
- E. Korolkowi** Lavallée, Icon. Arb. Segrez. **39**, t. 11, 12 (1880).—Rehder in Mitt. Deutsch. Dendr. Ges. **1914**(23): 258 [1915].
- Albertia simplicifolia* Regel in Ind. Sem. Hort. Petrop. **1883**: 39 (1884), nom.—O. & B. Fedtschenko, Consp. Fl. Turkest. **3**: 9 (1909), pro syn.
- Exochorda Alberti* Regel in Act. Hort. Petrop. **8**: 696, t. 13 (1884).—Schneider, Ill. Handb. Laubh. **1**: 493, fig. 300 (1905).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 317, t. 19, fig. 5 (1939).
- Exochorda grandiflora* v. *Alberti* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 30 (1900).
- ?*Exochorda Albertii magnifica* Woodall in Garden, **80**: 184 (1916), nom.
- HOLODISCUS** Maximowicz in Act. Hort. Petrop. **6**: 253 (1879).—Schneider, Ill. Handb. Laubh. **1**: 495 (1905).—Ley in Bull. Torrey Bot. Club, **70**: 275 (1943).—Nom. Conserv.; cf. Intern. Rules Bot. Nomencl. ed. 3, 98, no. 3332 (1935).
- Schizonotus Rafinesque*, New Fl. N. Am. **3**: 74 [1838], non Lindley (1830).
- Spiraea* "gruppe" *Holodiscus* K. Koch, Dendr. **1**: 309 (1869).
- Sericotheca Rafinesque*, Sylva Tellur. 152 (1838).—Rydberg in N. Am. Fl. **22**: 261 (1908).
- LECTOTYPUS: *Spiraea discolor* Pursh = *H. discolor* (Pursh) Maxim.
- H. discolor** (Pursh) Maximowicz in Act. Hort. Petrop. **6**: 254 (1879).—Jepson, Fl. Calif. **2**: 166, fig. 160 (1936).
- Spiraea discolor* Pursh, Fl. Am. Sept. 342 (1814).
- Schizonotus discolor* Rafinesque, New Fl. N. Am. **3**: 75 [1838].
- Spiraea ariaefolia* β. *discolor* Torrey & Gray, Fl. N. Am. **1**: 416 (1840), p. p.
- Schizonotus argenteus* β. *discolor* Kuntze, Rev. Gen. Pl. **1**: 225 (1891).
- Schizonotus discolor* β. *discolor* Koehne, Deutsche Dendr. **265** (1893).
- Holodiscus discolor* A. *eudiscolor* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 31 (1900).—Schneider, Ill. Handb. Laubh. **1**: 499 (1905) "f."
- Schizonotus discolor* var. *Purshianus* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1627 (1902).
- Sericotheca discolor* (Pursh) Rydberg in N. Am. Fl. **22**: 262 (1908).
- Holodiscus discolor* var. *typicus* Ley in Bull. Torrey Bot. Club, **70**: 278, fig. B (1943).
- H. discolor** var. *ariaefolius* (Sm.) Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 31 (1900) "*H. discolor* v. *ariifolius*".—Schneider, Ill. Handb. Laubh. **1**: 499 (1905).
- Spiraea ariaefolia* Smith in Rees, Cyclop. **33**: S. no. 16 (1819).
- Spiraea discolor* var. *ariaefolia* S. Watson in Brewer & Watson, Bot. Calif. **1**: 170 (1876).
- Schizonotus argenteus* α. *ariaefolius* Kuntze, Rev. Gen. Pl. **1**: 225 (1891).
- Schizonotus ariaefolius* Greene, Fl. Francisc. **58** (1891), p. p.
- Schizonotus discolor* α. *ariifolius* Koehne, Deutsche Dendr. **265** (1893).
- H. dumosus** [Hook.] Heller, Cat. N. Am. Pl. **4** (1898).—Rehder in Bailey, Stand. Cycl. Hort. **3**: 1498 (1915).
- Spiraea discolor* sensu Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 195 (1827), non Pursh (1814).
- Spiraea ariaefolia* β. *discolor* Torrey & Gray, Fl. N. Am. **1**: 416 (1840).
- Spiraea dumosa* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 416 (1840), pro syn.—Hooker in Lond. Jour. Bot. **6**: 217 (1847).
- Spiraea discolor* var. *dumosa* S. Watson in Brewer & Watson, Bot. Calif. **1**: 170 (1876).
- Holodiscus discolor* var. *dumosus* Maxim. ex Coulter, Man. Bot. Rocky Mtn. Reg. **79** (1885).—Zabel, Strauch. Spiraen, 121 (1893) "(f.)".
- Schizonotus argenteus* θ. *dumosus* Kuntze, Rev. Gen. Pl. **1**: 226 (1891).
- Schizonotus dumosus* Koehne, Deutsche Dendr. **265** (1893).
- Holodiscus australis* Heller in Bull. Torrey Bot. Club, **25**: 194, t. 338 (1898).
- Schizonotus discolor* var. *dumosus* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1627 (1902), p. p.
- Sericotheca dumosa* Rydberg in N. Am. Fl. **22**: 263 (1908).
- Holodiscus dumosus* var. *typicus* Ley in Bull. Torrey Bot. Club, **70**: 281, fig. 8 (1943).
- Holodiscus dumosus* var. *australis* Ley, l. c. fig. 4 (1943).
- H. Boursieri** (Carr.) Rehder in Bailey, Stand. Cycl. Hort. **3**: 1498 (1915); in Mitt. Deutsch. Dendr. Ges. **1915**(24): 221 [1916].
- Spiraea Boursieri* Carrière in Rev. Hort. **1859**: 520 (1859).
- Schizonotus discolor* var. *dumosus* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1627 (1902), p. p.
- Holodiscus saxicola* Heller in Muhlenbergia, **1**: 41 (1904).
- Sericotheca Boursieri* (Carr.) Rydberg in N. Am. Fl. **22**: 263 (1908).
- Sericotheca saxicola* Rydberg, l. c. (1908).
- Sericotheca obovata* Rydberg in op. cit. 264 (1908).
- H. microphyllus** Rydberg in Bull. Torrey Bot. Club, **31**: 559 (1904).
- Holodiscus dumosus* Schneider, Ill. Handb. Laubh. **1**: 497 (1905), p. p.
- Sericotheca microphylla* Rydberg in N. Am. Fl. **22**: 264 (1908).
- Sericotheca concolor* Rydberg, l. c. (1908).
- Holodiscus discolor* var. *microphyllus* Jepson, Fl. Calif. **2**: 166 (1936).

**Holodiscus microphyllus** (continued)

*Holodiscus microphyllus* var. *typicus* Ley in Bull. Torrey Bot. Club, **70**: 283, fig. 1 (1943).

Subfam. II. POMOIDEAE Focke in Nat. Pflanzenfam. III. **3**: 18 (1888).

*Pomaceae* Linnaeus, Philos. Bot. ed. 2, **35** (1763), nom. subnud. — Giseke, Praelect. Ord. Nat. Pl. 444 (1792), p. p. — L. C. Richard, Demonstr. Bot. Anal. Fruit, **33** (1808) "Pomacées." — Bartling, Ord. Nat. Pl. 399 (1830). — Spach, Hist. Nat. Vég. Phan. **2**: 42 (1834). — Schmucker in Silvae Orbis, **5**: maps 169–177 (1942).

*Rosaceae* I. *Pomaceae* Jussieu, Gen. Pl. 334 (1798). — Hooker, Fl. Scot. **2**: 261 (1821) "sect. II." — Reichenbach, Handb. Nat. Pflanzensyst. 243 (1837) "3. Roseae c. P."

*Rosaceae* B b β. *Calycocarpeae* T. F. L. Nees von Esenbeck in Verh. Leop.-Carol. Akad. Naturf. **3,1** (11,1): 114 (1823), p. p.; nom. subnud.

*Rosaceae* subord. *Pomeae* Gray, Bot. Textbook, 268 (1842). — Koehne, Deutsche Dendr. 207, 224 (1893) "subfam."

*Pomariae* Ascherson, Fl. Prov. Brandenb. **1**: 204 (1864).

*Rosaceae* 1. *Pyrinae* Drude in A. Schenk, Handb. Bot. **3,2**: 382 (1887).

*Rosaceae* subfam. *Pomoideae-Pomariae* Focke in Nat. Pflanzenfam. III. **3**: 12, 18 (1888).

*Malaceae* Small, Fl. Southeast. U. S. 529 (1903).

**COTONEASTER** B. Ehrhart, Oecon. Pflanzenhist. **10**: 170 (1761). — Medicus, Gesch. Bot. 85 (1793). — Bentham & Hooker f., Gen. Pl. **1**: 627 (1865), 1004 (1867), p. p. — Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 171, t. 12, xix (1874). — Hurusawa in Act. Phytotax. Geobot. **13**: 225 (1943).

*Mespilus* Linnaeus, Sp. Pl. 630 (1753), p. p.

*Ostinia* [Clairville], Man. Herb. Suisse, 162 (1811), p. p.

*Gymnopyrenium* Dulac, Fl. Dép. Haut.-Pyrén. 316 (1867).

*Cotoneaster* sect. *Eucotoneaster* Focke in Nat. Pflanzenfam. III. **3**: 21 (1888).

LECTOTYPUS: *Mespilus Cotoneaster* L. = *Cotoneaster integerrima* Med.

Sect. I. ORTHOPETALUM Koehne, Deutsche Dendr. 224 (1893). — Poiarkava in Komarov, Fl. S. S. S. R. **9**: 320 (1939).

**C. adpressa** Bois in Vilmorin & Bois, Frutic. Vilmor. 116, fig. (1904); in Repert. Sp. Nov. Reg. Veg. **3**: 226 (1906). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 155 (1912).

*Cotoneaster horizontalis* var. *adpressa* Schneider, Ill. Handb. Laubh. **1**: 744, fig. 418k-m, 419e<sup>1</sup> (1906).

**C. adpressa** var. *praecox* (Vilmor.) Bois & Berthault in Rev. Hort. n. sér. **16**: 179 (1918).

*Cotoneaster praecox* Vilmorin-Andrieux ex Bois & Berthault, l. c. (1918), pro syn. — Vilmorin-Andrieux, [Cat.] Graines Arb. Arbust. **1923/24**: 21 (1923), nom. subnud. "C. du Nan-shan". — Luyken in Mitt. Deutsch. Dendr. Ges. **43**(1931): 217 (1931).

*Cotoneaster nanchuanica* R. Regel ex Schneider, Ill. Handb. Laubh. **1**: 746 (1906), pro syn. *C. horizontalis*; ex Kesselring in Mitt. Deutsch. Dendr. Ges. **43**(1931): 221 (1931), pro syn.

**C. horizontalis** Decaisne in Fl. des Serr. **22**: 168 (1877). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 154 (1912). — Rehder in Jour. Arnold Arb. **13**: 302 (1932).

*Cotoneaster acuminata* var. β. *C. prostrata* Hooker ex

Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 175 (1874).

*Cotoneaster Symonsii* Loudon ex Koehne, Deutsche Dendr. 225 (1893), pro syn.

*Cotoneaster acuminata* var. *prostrata* Dippel, Handb. Laubh. **3**: 414 (1893), non *C. prostrata* Bak. (1869).

*Cotoneaster Davidiana* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, **1**: 213 (1894), pro syn.

*Cotoneaster microphylla* sensu Diels in Bot. Jahrb. **29**: 386 (1901), p. p., non Lindley (1827).

*Diospyros Chaffanjonii* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 101 (1913).

**C. horizontalis** f. *variegata* (Osborn), grad. nov.

*Cotoneaster horizontalis variegata* A. O[Osborn] in Gard. Chron., ser. 3, **72**: 351 (1922).

**C. horizontalis** var. *perpusilla* Schneider, Ill. Handb. Laubh. **1**: 745, fig. 419e<sup>2</sup> (1906). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 155 (1912).

**C. horizontalis** var. *Wilsonii* [Havemeyer ex] Wilson in Bull. Arnold Arb. ser. 3, **1**: 68 (1927), nom. subnud.

*Cotoneaster Wilsoni* Kelsey, Cat. Eastern Nurs. 1917: ? (1917), nom. — Olmsted, Coville & Kelsey, Standard. Pl. Names, 100 (1923), nom. — Non Nakai (1918).

**C. disticha** Lange in Bot. Tidsskr. **13**: 19 (1882). — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 154 (1912).

?*Cotoneaster nitida* Jacques in Jour. Soc. Imp. Centr. Hort. Paris, **3**: 561 (1857). — Exell in Jour. Bot. **68**: 299 (1930).

*Cotoneaster rotundifolia* sensu Baker in Refug. Bot. **1**: t. 54 (1869). — Hemsley in Bot. Mag. **131**: t. 8010 (1905). — Non Lindley (1829).

*Cotoneaster Hookeri* Hort. ex Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 18 (1897), pro syn.

**C. verruculosa** Diels in Notes Bot. Gard. Edinb. **5**: 272 (1912).

**C. rubens** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 24 (1917).

**C. apiculata** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 156 (1912).

**C. Simonsii** Baker in Refug. Bot. **1**: t. 55 (1869). — Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 19 (1897). — Schneider, Ill. Handb. Laubh. **1**: 746, fig. 418n-o<sup>2</sup>, 419f (1906).

*Cotoneaster Simmondsii* Hort. ex Baker in Refug. Bot. **1**: t. 55 (1869).

*Cotoneaster Symondsii* Hort. [ex Th. Moore] in Proc. Hort. Soc. Lond. **1**: 298 (1861).

*Cotoneaster acuminata* var. α. *C. Simonsii* Hort. ex Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 175 (1874).

*Cotoneaster montana* Lange ex Koehne, Deutsche Dendr. 265 (1893), pro syn. — Hort. ex [Nicholson in] Kew

Hand-list Trees Shrubs **1**: 215 (1894), pro syn. *Cotoneaster acuminata* α. *Simonsii* Dippel, Handb. Laubh. **3**: 413 (1893).

*Cotoneaster himalaiensis* Hort. et *C. nepalensis* Hort. ex [Nicholson], l. c. (1894), pro syn.

*Cotoneaster acuminata* β. *Symonsii* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 6 (1906).

**C. divaricata** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 157 (1912).

**C. nitens** Rehder & Wilson in op. cit. 156 (1912).

- C. rosea** Edgeworth in Trans. Linn. Soc. Lond. **20**: 46 (1861).—Schneider, Ill. Handb. Laubh. **1**: 745, fig. 423r-r<sup>1</sup>, 424n (1906).—Teuscher in Jour. New York Bot. Gard. **37**: 135, fig. 2 (1936).
- C. integerrima** Medicus, Gesch. Bot. 85 (1793) “*a. fr. rubro*”.—Schneider, Ill. Handb. Laubh. **1**: 747, fig. 419m-p, 420c-e (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 325 (1939).  
*Mespilus Cotoneaster* Linnaeus, Sp. Pl. 479 (1753).  
*Ostinia cotoneaster* [Clairville], Man. Herb. Suisse, 162 (1811).  
*Cotoneaster vulgaris* Lindley in Trans. Linn. Soc. Lond. **13**: 101 (1822).—Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 16 (1897).  
*Cotoneaster vulgaris a. erythrocarpa* Ledebour, Fl. Alt. **2**: 219 (1830).  
*Cotoneaster vulgaris* var. *haematocarpa* Ruprecht, Fl. Ingr. 350 (1853).  
*Gymnopyrenium vulgare* Dulac, Fl. Dép. Haut.-Pyrén. 316 (1867).  
*Cotoneaster Cotoneaster* Karsten, Deutsche Fl. 785 [1882?].—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 7 (1906).  
*Cotoneaster integerrima* var. *erythrocarpa* (Ledeb.) Krylof, Fl. Zap. Sibir. **7**: 1461 (1933).
- C. uniflora** Bunge in Ledebour, Fl. Alt. **2**: 220 (1830).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 324, t. 19, fig. 1 (1939).  
*Cotoneaster integerrima* var. *uniflora* Schneider, Ill. Handb. Laubh. **1**: 747 (1906).
- C. Silvestrii** Pampanini in Nuov. Giorn. Bot. Ital. **17**: 288 (1910).
- C. tomentosa** (Ait.) Lindley in Trans. Linn. Soc. Lond. **13**: 101 (1823).—Schneider, Ill. Handb. Laubh. **1**: 748, fig. 419k, 420i-l (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 5 (1906).  
*Mespilus orientalis* Miller, Gard. Dict. ed. 8, *M.* no. 9 (1768), p. p.  
*Mespilus tomentosa* Aiton, Hort. Kew. **2**: 174 (1789).  
*Mespilus eriocarpa* De Candolle, Syn. Fl. Gall. 331 (1806); Fl. Franç. **6**: 532 (1815).  
*Ostinia lanata* [Clairville], Man. Herb. Suisse, 162 (1811).  
*Mespilus coccinea* Waldstein & Kitaibel, Descr. Icon. Pl. Rar. Hung. **3**: t. 256 (1812).  
*Mespilus pygmaea* Baumgarten, Enum. Stirp. Transsylv. **2**: 40 (1816).  
*Cotoneaster coccinea* Steudel, Nomencl. Bot. ed. 2, **1**: 426 (1840).  
*Pyrus nebrodensis* Gussone, Fl. Sicul. Prodr. **1**: 569 (1827); Fl. Sicul. Syn. **1**: 559 (1842).  
*Mespilus nebrodensis* Bertoloni, Fl. Ital. **7**: 629 (1847).  
*Cotoneaster nebrodensis* K. Koch, Hort. Dendr. **1**: 179 (1853).  
*Gymnopyrenium tomentosum* Dulac, Fl. Dép. Haut.-Pyrén. 316 (1867).
- C. Zabeli** Schneider, Ill. Handb. Laubh. **1**: 749, fig. 420f-h, 422i-k (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 220 (1906).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 166 (1912) “*Zabelii*”.
- C. Zabeli** var. *miniata* Rehder & Wilson in Sargent, Pl. Wilson. **3**: 430 (1917) “*Zabelii*”.
- C. Dielsiana** Pritzel in Bot. Jahrb. **29**: 385 (1900).—Schneider, Ill. Handb. Laubh. **1**: 749, fig. 418a-b, 429a (1906).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 166 (1912).
- Cotoneaster applanata* Duthie ex Veitch, Hort. Veitch. 385 (1906).—Veitch & Sons, Novelties **1908-9**, 17, fig. (1908).
- C. Dielsiana** f. *major* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 166 (1912).—Rehder in Bailey, Stand. Cycl. Hort. **2**: 866 (1914) “var.”
- C. Dielsiana** var. *elegans* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 166 (1912).
- C. Francheti** Bois in Rev. Hort. **1902**: 379, fig. 159-61, 164 (1902); in Vilmorin & Bois, Frutic. Vilmor. **117**, 2 fig. (1904); in Repert. Sp. Nov. Reg. Veg. **3**: 228 (1906).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 165 (1912) “*Franchetii*”.—Rehder in Jour. Arnold Arb. **13**: 302 (1932).  
*Cotoneaster Mairei* Léveillé in Bull. Acad. Intern. Géog. Bot. **25**: 45 (1915).  
*Cotoneaster Mairei* var. *albiflora* Léveillé, l. c. (1915).
- C. Francheti** var. *cinerascens* Rehder in Jour. Arnold Arb. **4**: 114 (1923), “*Franchetii*” var. *c.*
- C. amoena** Wilson in Gard. Chron. ser. 3, **51**: 2, fig. 1 (1912).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 165 (1912).
- C. Wardii** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 25 (1917).
- C. newryensis** T. Smith, Daisy Hill Nurs. Co. [Cat.]? (19..).—Lemoine [Cat.] **178**: 21 (1911), nom.; **179**: 19 (1911), nom. subnud.—Rehder, Man. Cult. Trees Shrubs, ed. 2, 351 (1940) “? *C. Francheti* × *Simonsii*.”  
*Cotoneaster Simonsii* var. *newryensis* Bean, Trees Shrubs Brit. Isl. **3**: 113 (1933).
- C. obscura** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 161 (1912).
- C. obscura** var. *cornifolia* Rehder & Wilson in op. cit. 162 (1912).
- C. reticulata** Rehder & Wilson in op. cit. 160 (1912).
- C. glomerulata** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 21 (1917).
- C. acuminata** Lindley in Trans. Linn. Soc. Lond. **13**: 101, t. 9 (1821).—Hooker f., Fl. Brit. Ind. **2**: 385 (1878).—Schneider, Ill. Handb. Laubh. **1**: 746, fig. 418r-s, 419i (1906).  
*Mespilus acuminata* Loddiges, Bot. Cab. **16**: t. 1522 (1829).  
*Cotoneaster nepalensis* André in Ill. Hort. **22**: 95 (1875), pro syn.; in Rev. Hort. **1889**: 348, t., fig. 5 (1889), in tab., in textu pro syn.  
*Cotoneaster Roylei* et *C. Royleana* Hort. ex Hooker f., Fl. Brit. Ind. **2**: 385 (1878), pro syn.
- C. nitidifolia** Marquand in Hooker's Icon. Pl. **32**: t. 3145 (1930).
- C. bullata** Bois in Vilmorin & Bois, Frutic. Vilmor. **119**, 2 fig. (1904); in Repert. Sp. Nov. Reg. Veg. **3**: 228, 2 fig. (1906).  
*Cotoneaster moupinensis* sensu Stapf in Bot. Mag. **135**: t. 8284 (1909), non Franchet (1888).
- C. bullata** f. *floribunda* (Stapf) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 165 (1912).—Rehder, Man. Cult. Trees Shrubs, 357 (1927) “var.”  
*Cotoneaster moupinensis* f. *floribunda* Stapf in Bot. Mag. **135**: t. 8284 (1909).

**Cotoneaster** (continued)

- C. bullata** var. **macrophylla** Rehder & Wilson in Sargent, Pl. Wilson. 1: 164 (1912).
- C. moupinensis** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 224 (Pl. David. 2: 42. 1888) [1886]. — Rehder & Wilson in Sargent, Pl. Wilson. 1: 163 (1912).
- C. foveolata** Rehder & Wilson in Sargent, Pl. Wilson. 1: 162 (1912).
- C. acutifolia** Turczaninov in Bull. Soc. Nat. Moscou, 5: 190 (1832). — Schneider, Ill. Handb. Laubh. 1: 751, fig. 421a-b, 422b-h, 423d-h (1906). — Hurusawa in Act. Phytotax. Geobot. 13: 235 (1943).  
*Cotoneaster nigra* β. *acutifolia* Wenzig in Linnaea, 38: 183 (1874), quoad basonym.  
*Cotoneaster acutifolia* var. *pekinensis* Koehne, Deutsche Dendr. 225 (1893).  
*Cotoneaster pekinensis* Zabel in Mitt. Deutsch. Dendr. Ges. 1898(7): 37 (1898).  
*Cotoneaster sinensis* hort. ex Zabel, l. c. (1898), pro syn.
- C. acutifolia** var. **villosula** Rehder & Wilson in Sargent, Pl. Wilson. 1: 158 (1912).  
*Cotoneaster acuminata* sensu Pritzel in Bot. Jahrb. 29: 385 (1900), non Lindley (1821).
- C. ambigua** Rehder & Wilson in Sargent, Pl. Wilson. 1: 159 (1912). — Stapf in Bot. Mag. 151: t. 9106 (1926).  
*Cotoneaster acutifolia* var. *ambigua* Hurusawa in Act. Phytotax. Geobot. 13: 236 (1943).
- C. tenuipes** Rehder & Wilson in Sargent, Pl. Wilson. 1: 171 (1912).
- C. lucida** Schlechtendal in Linnaea, 27: 541 (1854). — Schneider, Ill. Handb. Laubh. 1: 750, fig. 421c, 423a-c (1906). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 323, t. 19, fig. 2 (1939).  
*Cotoneaster acutifolia* Lindley ex Ledebour, Fl. Ross. 2: 92 [1843], non Turczaninov (1832).  
*Cotoneaster nigra* var. *acutifolia* Wenzig in Linnaea, 38: 183 (1884), exclud. basonym.; non *C. acutifolia* Turcz. (1832).  
*Cotoneaster acutifolia* var. *a. typica* Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 22 (1897), non *C. acutifolia* Turcz. (1832).
- C. melanocarpa** Loddiges, Bot. Cab. 16: t. 1531 (1828). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 4 (1906). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 320 (1939).  
*Mespilus Cotoneaster* Linnaeus, Sp. Pl. 479 (1753), p. p. *Mespilus Cotoneaster* var. *nigra* Ehrhart, Beitr. Naturk. 4: 19 (1789). — Wahlberg, Fl. Gothoburg. 53 (1820).  
*Cotoneaster integerrima* var. β. *fr. nigro* Medicus, Gesch. Bot. 85 (1793).  
*Cotoneaster vulgaris* β. *melanocarpa* Ledebour, Fl. Alt. 2: 219 (1830).  
*Cotoneaster vulgaris* sensu Ledebour, Fl. Ross. 2: 92 [1843], p. p.; non Lindley (1822).  
*Cotoneaster peduncularis* Boissier, Diagn. Pl. Or. 3: 8 (1843).  
*Cotoneaster nigra* Fries, Summ. Veg. Scand. 1: 175 (1846).  
*Cotoneaster orientalis* Kerner in Oester. Bot. Zeitschr. 19: 270 (1869).  
*Cotoneaster polonica* Jastrz. ex Rostafinski in Zeitschr. Bot. Ges. Wien, 22: 201 (Fl. Polon. Prodr. 121) (1872), pro syn.  
*Cotoneaster nigra* a. *typica* Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 21 (1897).
- Cotoneaster melanocarpa* var. *typica* Schneider, Ill. Handb. Laubh. 1: 752 (1906).  
*Cotoneaster integerrima* var. *melanocarpa* (Lodd.) Krylof, Fl. Zab. Sibir. 7: 1461 (1933).
- C. melanocarpa** var. **laxiflora** (Lindl.) Schneider, Ill. Handb. Laubh. 1: 752 (1906).  
*Cotoneaster laxiflora* Jacquin ex Lindley in Bot. Reg. 15: p. [2], t. 1229, (1829); t. 1305 [1830].  
*Cotoneaster polyanthema* E. Wolf in Mitt. Deutsch. Dendr. Ges. 1924(34): 325 (1925). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 322 (1939).  
*Cotoneaster nigra* c. *laxiflora* a. Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 21 (1897).
- C. melanocarpa** var. **commixta** Schneider, Ill. Handb. Laubh. 1: 752, fig. 421f, 423o-q (1906).  
*Cotoneaster laxiflora* sensu Hooker in Bot. Mag. 63: t. 3519 (1835), non Lindley (1829).  
*Cotoneaster nigra* c. *laxiflora* γ. Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 22 (1897).
- C. ignava** E. Wolf in Isv. Leningr. Liesn. Inst. 15: 240 (1907). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 322 (1939).
- Sect. II. CHAENOPETALUM Koehne, Deutsche Dendr. 225 (1893). — Poiarkova in op. cit. 329 (1939).
- C. multiflora** Bunge in Ledebour, Fl. Alt. 2: 220 (1830). — Ledebour, Icon. Pl. Fl. Ross. 3: 21, t. (1831).  
*Cotoneaster reflexa* Carrière in Rev. Hort. 1870: 520 (1871).
- C. multiflora** var. **typica** Hurusawa in Act. Phytotax. Geobot. 13: 230 (1943).
- C. multiflora** var. **boreali-chinensis** Hurusawa, l. c. fig. 2 (1943).
- C. multiflora** var. **calocarpa** Rehder & Wilson in Sargent, Pl. Wilson. 1: 170 (1912).
- C. multiflora** var. **granatensis** (Boiss.) Wenzig in Linnaea, 38: 191 (1874).  
*Cotoneaster granatensis* Boissier, Elench. Pl. Nov. 41 (1838).
- C. submultiflora** Popov in Bull. Soc. Nat. Moscou, n. sér., 44: 126 (1935). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 322 (1939).
- C. hupehensis** Rehder & Wilson in Sargent, Pl. Wilson. 1: 169 (1912).
- C. racemiflora** (Desf.) K. Koch, Dendr. 1: 170 (1869). — Poiarkova in Komarov, Fl. S. S. S. R. 9: 331 (1939).  
*Mespilus racemiflora* Desfontaines, Cat. Pl. Hort. Paris, ed. 3, 409 (1829).  
*Cotoneaster Fontanesii* Spach, Hist. Nat. Vég. Phan. 2: 77 (1834).  
*Cotoneaster Fontanesii* a. *Desfontaini* Regel in Act. Hort. Petrop. 2: 312 (1873).  
*Cotoneaster nummularia* β. *racemiflora* Wenzig in Linnaea, 38: 189 (1874). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 9 (1906).  
*Cotoneaster racemiflora* var. *Desfontainesi* Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 23 (1897).  
*Cotoneaster racemiflora* var. *typica* Schneider, Ill. Handb. Laubh. 1: 754 (1906, May). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 10 (1906, Nov.), p. p.
- C. racemiflora** var. **nummularia** (Fisch. & Mey.) Dippel, Handb. Laubh. 3: 415 (1893). — Schneider, Ill. Handb. Laubh. 1: 754 (1906).

- Cotoneaster tomentosa* sensu C. A. Meyer, Verz. Pfl. Kauk. 171 (1831), non Lindley (1821).
- Mespilus tomentosa* Hohenacker in Bull. Soc. Nat. Moscou, 6: 235 (Enum. Pl. Elisabethop. 235) (1833), non Aiton (1789), nec Poirlet [1809].
- Cotoneaster nummularia* Fischer & Meyer in Ind. Sem. Hort. Petrop. 2: 31 (1835); in Ann. Sci. Nat. Bot. sér. 2, 5: 182 (1835).
- Cotoneaster Fontanesii*  $\beta$ . *nummularia* Regel in Act. Hort. Petrop. 2: 313 (1873).
- Cotoneaster nummularia*  $\beta$ . *typica* Koehne, Deutsche Dendr. 227 (1893), p. p.
- Cotoneaster racemiflora* b. *Meyeri* Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 24 (1897).
- Cotoneaster nummularia* b. i. *typica* c. *Meyeri* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 10 (1906).
- C. racemiflora** var. *soongorica* (Reg. & Herd.) Schneider, Ill. Handb. Laubh. 1: 754, fig. 424i (1906) "*songorica*". — Rehder & Wilson in Sargent, Pl. Wilson. 1: 168 (1912).
- Cotoneaster Nummularia* sensu Trautvetter in Bull. Soc. Nat. Moscou, 33,1: 531 (Enum. Pl. Songor. Schrenk.) (1860), non Fischer & Meyer (1835).
- Cotoneaster Nummularia*  $\beta$ . *soongoricum* [sic] Regel & Herder in Bull. Soc. Nat. Moscou, 39,2: 59 (1866).
- Cotoneaster Fontanesii*  $\gamma$ . *soongorica* Regel in Act. Hort. Petrop. 2: 313 (1873).
- Cotoneaster soongorica* M. Popof in Bull. Soc. Nat. Moscou, n. sér., 44: 128 (1935).
- ?*Cotoneaster racemiflora* var. *ovalifolia* (Boiss.) Hurusawa in Act. Phytotax. Geobot. 13: 229 (1943).
- C. racemiflora** var. *microcarpa* Rehder & Wilson in Sargent, Pl. Wilson. 1: 169 (1912).
- C. racemiflora** var. *Veitchii* Rehder & Wilson in Sargent, Pl. Wilson. 3: 431 (1917).
- Cotoneaster acutifolia* Veitch, New Hardy Pl. China, 5 (1910), non Turczaninov (1832).
- C. racemiflora** var. *Royleana* Dippel, Handb. Laubh. 3: 415 (1893).
- Cotoneaster Royleana* Booth ex Schlechtendal in Linnaea, 27: 546 (1854), pro syn.
- Cotoneaster nevadensis* hort. ex Dippel, Handb. Laubh. 3: 415 (1893), pro syn.
- Cotoneaster racemiflora* c. *orbicularis* sensu Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 24 (1897), non Wenzig (1874).
- Cotoneaster racemiflora* var. *Kotschyi* Schneider, Ill. Handb. Laubh. 1: 754 (1906), p. p.
- C. hebephylla** Diels in Notes Bot. Gard. Edinb. 5: 273 (1912).
- Cotoneaster hebephylla* var. *monopyrena* W. W. Smith in Notes Bot. Gard. Edinb. 10: 23 (1917). — Marquand in Bot. Mag. 158: t. 9389 (1935).
- C. Lindleyi** Steudel, Nomencl. Bot. 1: 426 (1840), p. p. — Schneider, Ill. Handb. Laubh. 1: 757, fig. 424a-b, 425a-a<sup>1</sup> (1906).
- Cotoneaster nummularia* Lindley ex Loudon, Arb. Brit. 2: 872 (1838), non Fischer & Meyer (1835).
- Cotoneaster nummularia* sensu K. Koch, Dendr. 1: 171 (1869), non Fischer & Meyer (1835).
- Cotoneaster nummularia* var. *Lindleyi* Wenzig in Linnaea, 38: 189 (1874). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 10 (1906) "b. i. *typica* b. L."
- Cotoneaster arborescens* Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 26 (1897), non Wenzig (1874).
- Cotoneaster insignis* Poiarkova in Komarov, Fl. S. S. S. R. 9: 330, t. 19, fig. 4 (1939).
- C. frigida** Wallich ex Lindley in Bot. Reg. 15: t. 1229 (1829). — Spach, Hist. Nat. Vég. Phan. 2: 78 (1834). — Hooker f., Fl. Brit. Ind. 2: 385 (1878).
- Cotoneaster frigida* Wallich, Num. List, no. 657 [1829], nom.
- Cotoneaster affinis* Hort. ex Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 27 (1897), pro syn.; not Lindley (1829).
- Cotoneaster himalaiensis* Hort. ex Zabel, l. c. (1897), pro syn.
- Cotoneaster compta* Hort. ex Schneider, Ill. Handb. Laubh. 1: 758 (1906), pro syn.; non *C. comptus* Lemaire (1848).
- C. frigida** f. *aldenhamensis* (Gibbs), grad. nov.
- Cotoneaster frigida* var. *aldenhamensis* Gibbs ex [Bean in] Kew Hand-list Trees Shrubs, ed. 4, 80 (1934), nom. — Rehder, Man. Cult. Trees Shrubs, ed. 2, 354 (1940) "var."
- C. frigida** f. *Vicarii* (Gibbs), grad. nov.
- Cotoneaster frigida* *Vicarii* Schneider in Gartenschönh. 14: 24, fig. (1933). — Gibbs [ex Bean] in Kew Hand-list Trees Shrubs, ed. 4, 80 (1934) "var.", nom.
- C. Crispii** (*C. frigida*  $\times$  *pannosa*) Exell in Gard. Chron. ser. 3, 83: 44 (1928).
- C. Watereri** [*C. frigida*  $\times$  *Henryana*] Exell, l. c. fig. 31, 32 (1928) "*C. frigida*  $\varphi$   $\times$  *rugosa*". — Thomas in Gard. Chron. ser. 3, 93: 24 (1933) "*C. frigida*  $\times$  *salicifolia*?"
- C. affinis** Lindley in Trans. Linn. Soc. Lond. 13: 101 (1821). — Zabel in Mitt. Deutsch. Dendr. Ges. 1897(6): 26 (1897). — Schneider, Ill. Handb. Laubh. 1: 757, fig. 426b-e, 427d-f (1906).
- Mespilus affinis* D. Don, Prodr. Fl. Nepal. 238 (1825).
- Cotoneaster frigida* var. *affinis* Wenzig in Linnaea, 38: 724 (1874), p. p.
- Cotoneaster bacillaris* var. *affinis* Hooker f., Fl. Brit. Ind. 2: 385 (1878), p. p.
- Cotoneaster affinis* var. *typica* Schneider, Ill. Handb. Laubh. 1: 757 (1906).
- C. affinis** var. *bacillaris* (Lindl.) Schneider, l. c. (1906).
- Cotoneaster bacillaris* Wallich, Num. List, no. 659, 660 [1829], nom. — Lindley in Bot. Reg. 15: t. 1229, p. [2] (1829).
- ?*Cotoneaster comptus* Lemaire in Fl. des Serr. 4: 338b (1848).
- Cotoneaster laevis* Hort. ex Schneider, Ill. Handb. Laubh. 1: 757 (1906), pro syn.
- C. Cooperi** Marquand in Hooker's Icon. Pl. 32: t. 3146 (1927).
- C. Cooperi** var. *microcarpa* Marquand in Bot. Mag. 160: t. 9478, fig. (p. [2]) (1937).
- C. pannosa** Franchet, Pl. Delavay. 223 [1890]. — Bean in Bot. Mag. 141: t. 8594 (1915).
- C. Harroviana** Wilson in Gard. Chron. ser. 3, 51: 3 (1912). — Schneider, Ill. Handb. Laubh. 2: 1004 (1912).
- C. oligocarpa** Schneider in Bot. Gaz. 64: 70 (1917).
- C. turbinata** Craib in Bot. Mag. 140: t. 8546 (1914).

**Cotoneaster** (*continued*)

- C. lactea** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 23 (1917). — Marquand in Bot. Mag. **159**: t. 9454 (1936).  
? *Cotoneaster Parneyi* hort. ex Hoyt, Check Lists Orn. Pl. Subtrop. Reg. 205, 354 (1938), nom. subnud.
- C. salicifolia** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 3, **8**: 225 (Pl. David. **2**: 43. 1888) [1886]. — Rehder & Wilson in Sargent, Pl. Wilson. **1**: 172 (1912).
- C. salicifolia** var. **floccosa** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 173 (1912).
- C. salicifolia** var. **rugosa** (Pritz.) Rehder & Wilson in op. cit. 172 (1912).  
*Cotoneaster rugosa* E. Pritzel in Bot. Jahrb. **29**: 385 (1900). — Bean in Bot. Mag. **143**: t. 8694 (1917).  
*Cotoneaster rugosa* var. **typica** Schneider, Ill. Handb. Laubh. **1**: 758 (1906).
- C. rhytidophylla** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 175 (1912).
- C. glabrata** Rehder & Wilson in op. cit. 171 (1912).
- C. glaucophylla** Franchet, Pl. Delavay. 222 (1890). — Rehder in Jour. Arnold Arb. **13**: 302 (1932).  
*Photinia rosifoliolata* Léveillé in Bull. Acad. Intern. Géog. Bot. **24**: 142 (1914).
- C. glaucophylla** f. **serotina** (Hutchins.) Stapf in Bot. Mag. **153**: t. 9171 (1929).  
*Cotoneaster serotina* Hutchinson in Bot. Mag. **146**: t. 8854 (1920).
- C. glaucophylla** var. **vestita** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 21 (1917).
- C. Henryana** (Schneid.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 174 (1912).  
*Cotoneaster frigida* sensu Pritzel in Bot. Jahrb. **29**: 386 (1900), non Wallich ex Lindley (1829).  
*Cotoneaster rugosa* var. **Henryana** Schneider, Ill. Handb. Laubh. **1**: 758, fig. 426g (1906).
- C. Dammeri** Schneider, Ill. Handb. Laubh. **1**: 760, fig. 428a-b, 429h-k (1904); in Repert. Sp. Nov. Reg. Veg. **3**: 222 (1906).  
*Cotoneaster humifusa* Duthie ex Veitch, Hort. Veitch. 396 (1906), nom. subnud. — Praeger in Garden, **89**: 226, fig. (1925).  
*Cotoneaster Dammeri* var. **typica** Schneider, Ill. Handb. Laubh. **1**: 761 (1906).
- C. Dammeri** var. **radicans** Dammer ex Schneider, l. c. (1906).  
*Cotoneaster radicans* Dammer in herb. ex Schneider, l. c. (1906), pro syn.
- C. rotundifolia** Wallich ex Lindley in Bot. Reg. **15**: t. 1229, p. [2] (1829). — Loudon, Arb. Brit. **2**: 872, fig. 623, 624 (1838). — Schneider, Ill. Handb. Laubh. **1**: 759, fig. 428c-e, 429c-d (1906).  
*Cotoneaster microphylla* β. (var.) **Uva Ursi** Lindley in Bot. Reg. **14**: t. 1187 (1828).  
*Cotoneaster rotundifolia* Wallich, Num. List, no. 663 [1829], nom.  
*Cotoneaster prostrata* Baker in Refug. Bot. **1**: t. 53 (1869).  
*Cotoneaster microphylla* var. **rotundifolia** Wenzig in Linnaea, **38**: 195 (1874). — Koehne, Deutsche Dendr. 227 (1893) "a."
- C. rotundifolia** var. **lanata** [Jacques] Schneider, Ill. Handb. Laubh. **1**: 759, fig. 429e-f (1906).  
*Cotoneaster buxifolia* Wallich, Num. List, no. 661 [1829], nom. — Baker in Refug. Bot. **1**: t. 52 (1869). — Non Lindley (1829).  
*Cotoneaster lanata* Jacques in Jour. Soc. Imp. Centr. Hort. Paris, **5**: 476 (1859). — Exell in Jour. Bot. **68**: 300 (1930).  
*Cotoneaster microphylla* a. **buxifolia** a. **lanata** Dippel, Handb. Laubh. **3**: 420 (1893).  
*Cotoneaster buxifolia* c. **lanata** Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 29 (1897).  
*Cotoneaster Wheeleri* Hort. p. p. ex Rehder, Man. Cult. Trees Shrubs, 361 (1927), pro syn.
- C. buxifolia** Lindley in Bot. Reg. **15**: t. 1229, p. [2] (1829). — Wight, Icon. Pl. Ind. Or. **3**: t. 992 [1845]. — Schneider, Ill. Handb. Laubh. **1**: 753, fig. 425k-l, 429b (1906).  
*Cotoneaster affinis* sensu De Candolle, **2**: 632 (1825), p. p.; non Lindley (1821).  
*Cotoneaster lanata* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 173 (1874), non Jacques (1859).  
*Cotoneaster microphylla* a. **buxifolia** Dippel, Handb. Laubh. **3**: 420 (1893).
- C. buxifolia** f. **vellaea** Franchet, Pl. Delavay. 224 [1890]. — Handel-Mazzetti, Symb. Sin. **7**: 459 (1933).  
*Cotoneaster microphylla* var. **vellaea** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 176 (1912).
- C. microphylla** Wallich ex Lindley in Bot. Reg. **13**: t. 1114 (1827). — Hooker f., Fl. Brit. Ind. **2**: 387 (1878). — Schneider, Ill. Handb. Laubh. **1**: 760, fig. 428f-h, 429g (1906).  
*Cotoneaster microphylla* Wallich, Num. List, no. 662 [1829], nom.  
*Cotoneaster emarginata* Hoffmannsegg ex Schlechtendal, Linnaea, **11**: 538 (1854).  
? *Cotoneaster rupestris* Anon. in Gard. Chron. n. ser. **18**: 681 (1882). — R. E. Arnold in Gard. Chron. ser. 3, **78**: 49 (1925). — Schneider in Gartenschönh. **13**: 24, fig. (1933).
- C. microphylla** var. **cochleata** (Franch.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 176 (1912).  
*Cotoneaster buxifolia* f. **cochleata** Franchet, Pl. Delavay. 224 [1890].
- C. microphylla** f. **melanotricha** (Franch.) Handel-Mazzetti, Symb. Sin. **7**: 459 (1933). — Rehder in Jour. Arnold Arb. **20**: 94 (1939).
- C. microphylla** var. **thymifolia** [Bak.] Koehne, Deutsche Dendr. 227 (1893) "β.". — Schneider, Ill. Handb. Laubh. **1**: 760 (1906) "thymaefolia".  
*Cotoneaster thymaefolia* Baker in Refug. Bot. **1**: t. 50 (1869). — Lindley in Paxton's Flow. Gard. **2**: 132, fig. 203 (1853) "thymifolia".  
*Cotoneaster microphylla* Wallich, Num. List, no. 662, b. ex Hooker f., Fl. Brit. Ind. **2**: 387 (1878), pro syn.  
*Crataegus integrifolia* Herb. Ham. ex Hooker f., l. c. (1878), pro syn.
- C. conspicua** Marquand [ex Bean] in Kew Hand-list Trees Shrubs, ed. 4, 80 (1934), nom. — Anon. in Jour. Hort. Soc. Lond. **59**: 303 (1934), nom. subnud. — J. Comber in Gard. Chron. ser. 3, **99**: 388 (1936), descr. anglica. — Marquand in Gard. Chron. ser. 3, **101**: 286 (1937); descr. anglica; in Kew Bull. **1937**: 119 (1937); in Bot. Mag. **161**: t. 9554 (1939).



- C. conspicua** var. **decora** Russell in Proc. Biol. Soc. Washington, **51**: 184 (1938).
- C. congesta** Baker in Refug. Bot. **1**: t. 51 (1869).  
*Cotoneaster microphylla* var. *glacialis* Hooker f., Fl. Brit. Ind. **2**: 387 (1878).  
*Cotoneaster pyrenaica* Hort. ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 357 (1940), pro syn.; non Gandoger (1875).
- PYRACANTHA** Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 104, 219 (1847).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 10 (1906).  
*Timbalia* Clos in Bull. Soc. Bot. France, **18**: 176 (1871).  
*Sportella* Hance in Jour. Bot. **15**: 207 (1877).  
*Cotoneaster* sect. *Pyracantha* (Roem.) Focke in Nat. Pflanzenfam. III. **3**: 21 (1888).  
 LECTOTYPUS: *Mespilus Pyracantha* L. = *P. coccinea* Roem.
- P. coccinea** Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 104, 219 (1847).—Schneider, Ill. Handb. Laubh. **1**: 762, fig. 430e-i, 431d-f (1906).  
*Mespilus Pyracantha* Linnaeus, Sp. Pl. 478 (1753).—Lamarck, Encycl. Méth. Bot. **4**: 440 [1798?].  
*Crataegus Pyracantha* Medicus, Gesch. Bot. **84** (1793).  
*Mespilus pauciflora* Lamarck, op. cit. 441 [1798?].  
*Cotoneaster Pyracantha* Spach, Hist. Nat. Vég. Phan. **2**: 77 (1834).  
*Pyracantha pauciflora* Roemer, Fam. Nat. Reg. Veg. **3**: 220 (1847).  
*Gymnopyrenium Pyracantha* Dulac, Fl. Dép. Haut.-Pyrén. **316** (1867).  
*Timbalia Pyracantha* Clos in Bull. Soc. Bot. France, **18**: 178 (1871).  
*Pyracantha spinosa* C. de Vos, Handb. Boom. Heest. ed. 2, 144 (1887).  
*Pyracantha lucida* C. de Vos, l. c. (1887), pro syn.  
*Pyracantha coccinea* a. *pauciflora* Dippel, Handb. Laubh. **3**: 421 (1893).  
*Pyracantha vulgaris* Lothelier in Rev. Gén. Bot. **5**: 519, t. 19, 21 (1893).  
*Crataegus pauciflora* André in Rev. Hort. **1898**: 148 (1898).  
*Pyracantha pyracantha* Voss, Vilmor. Blumengärt. **1**: 269 [1894]. Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 11 (1906).  
*Pyracantha pyracantha* A. *pauciflora* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 11 (1906).
- P. coccinea** var. **Lalandei** [Duren] Dippel, Handb. Laubh. **3**: 421 (1893) "*Lalandi*".  
*Crataegus Pyracantha Lalandei* Duren in Rev. Hort. Belg. **8**: 145, t. (1882).  
*Crataegus Lalandei* May in Rev. Hort. **1883**: 68 (1883).  
*Cotoneaster Pyracantha Lalandi* L. Möller in Möller's Deutsch. Gärtn.-Zeit. **3**: 57, fig. (1888).  
*Pyracantha spinosa Lalandei* C. de Vos, Handb. Boom. Heest. Suppl. **13** (1890).  
*Pyracantha Pyracantha* f. *Lalandi* Voss, Vilmor. Blumengärt. **1**: 269 [1894].  
*Pyracantha coccinea* (f.) *latifolia* Zabel in Beissner et al., Handb. Laubh.-Ben. **168** (1903).  
*Mespilus Lalandi* hort. ex Schneider, Ill. Handb. Laubh. **1**: 762 (1906), pro syn.
- P. crenulata** [D. Don] Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 220 (1847).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 177 (1912).  
*Mespilus Pyracantha* sensu Loureiro, Fl. Cochinch. **320** (1790), non Linnaeus (1753).  
*Mespilus crenulata* D. Don, Prodr. Fl. Nepal. **238** (1825).  
*Crataegus crenulata* Roxburgh, Hort. Beng. **38** (1814), nom.; Fl. Ind. [ed. 2] **2**: 509 (1832).—Lindley in Bot. Reg. **30**: t. 52 (1844).  
*Crataegus Pyracantha* var. *crenulata* Loudon, Arb. Brit. **2**: 844 (1838).  
*Pyracantha chinensis* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 220 (1847).  
*Cotoneaster crenulata* K. Koch, Dendr. **1**: 175 (1869).  
*Crataegus Pyracantha* sensu Brandis, Forest Fl. India, **208** (1874), non Medicus (1793).  
*Cotoneaster Pyracantha* sensu Pritzl in Bot. Jahrb. **29**: 386 (1900), non Spach (1834).
- P. crenulata** var. **Rogersiana** A. B. Jackson in Gard. Chron. ser. 3, **60**: 309, fig. 133,2, fig. 135 (1916).  
*Pyracantha Rogersiana* Bean in Garden, **85**: 567, fig. (1921).—Chittenden ex Stapf in Bot. Mag. **151**: t. 9099, p. [2] (1926).
- P. crenulata** f. **flava** Anon. in Gard. Chron. ser. 3, **67**: 55, fig. 24 (1920), "*var. Rogersiana* f. *fl.*".  
*Pyracantha Rogersiana* f. *flava* Hort. Wisley ex Jour. Hort. Soc. Lond. **45**: cxiii (1920).  
*Pyracantha crenulata* var. *Rogersiana flava* Meunissier in Rev. Hort. n. sér. **19**: 573, t., fig. 1 (1925).  
*?Pyracantha Rogersiana* f. *aurantiaca* Anon. in Jour. Hort. Soc. Lond. **67**: 60, fig. 19 (1942).
- P. crenulata** var. **kansuensis** Rehder in Jour. Arnold Arb. **4**: 114 (1923).
- P. Fortuneana** (Maxim.) Li in Jour. Arnold Arb. **25**: 420 (1944).  
*Photinia Fortuneana* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 179 (in Mém. Biol. **9**: 179) (1873).  
*Photinia crenato-serrata* Hance in Jour. Bot. **18**: 261 (1880).  
*Cotoneaster Pyracantha* sensu Pritzl in Bot. Jahrb. **29**: 386 (1900), p. p.; non Spach (1834).  
*Pyracantha crenulata* sensu Schneider, Ill. Handb. Laubh. **1**: 761 (1906); **2**: 1004 (1912); p. p.; non Roemer (1847).  
*Pyracantha crenulata* var. *yunnanensis* M. Vilmorin ex Mottet in Rev. Hort. **1913**: 204, t. (1913).  
*Pyracantha Gibbsii* var. *yunnanensis* Osborn in Garden, **83**: 138, fig. (1919, March); **87**: 52, fig. (1923).—A. B. Jackson in Gard. Chron. ser. 3, **65**: 266, fig. 132A (1919, May).  
*Pyracantha yunnanensis* Chittenden in Gard. Chron. ser. 3, **70**: 325 (1921).—Stapf in Bot. Mag. **151**: t. 9099, fig. 5-10 (1926).  
*Pyracantha Gibbsii* sensu Rehder in Jour. Arnold Arb. **5**: 178 (1924), non A. B. Jackson (1916).  
*Pyracantha crenato-serrata* (Hance) Rehder in Jour. Arnold Arb. **12**: 72 (1931); Man. Cult. Trees Shrubs, ed. 2, 358 (1940).
- P. atalantioides** (Hance) Stapf in Bot. Mag. **151**: t. 9099, fig. 1-4 (1926).  
*?Mespilus Pyracantha* sensu Loureiro, Fl. Cochinch. **320** (1790), non Linnaeus (1753); vix ad gen. *P. pertinet*.  
*?Mespilus Loureiri* Kosteletzky, Allg. Med.-Pharm. Fl. **4**: 1479 (1835).  
*?Pyracantha chinensis* Roemer, Fam. Nat. Veg. Syn. **3**: 220 (1847).  
*Sportella atalantioides* Hance in Jour. Bot. **15**: 207 (1877).  
*Pyracantha Gibbsii* A. B. Jackson in Gard. Chron. ser. 3, **60**: 309, fig. 133,3, fig. 134 (1916).

**Pyracantha atalantioides** (continued)

*Pyracantha discolor* Rehder in Jour. Arnold Arb. 1: 260 (1920).

?*Pyracantha loureiri* (Kostel.) Merrill in Trans. Am. Philos. Soc. n. ser., 24: 178 (Comm. Lour. Fl. Cochinch.) (1935).

**P. angustifolia** (Franch.) Schneider, Ill. Handb. Laubh. 1: 761, fig. 430a-b, 431a-c (1906).

*Cotoneaster angustifolia* Franchet, Pl. Delavay. 221 [1890].

**MESPILUS** Linnaeus, Sp. Pl. 630 (1753); Gen. Pl. ed. 5, 214, no. 549 (1754), p. p. typ.—Medicus, Gesch. Bot. 87 (1793).—Schneider, Ill. Handb. Laubh. 1: 764 (1906).—Poiarkova in Komarov, Fl. S. S. S. R. 9: 414 (1939).

LECTOTYPUS: *M. germanica* L.

*Mesphilophora* Necker, Elem. Bot. 2: 73 (1790).

*Ostinia* [Clairville], Man. Herb. Suisse, 162 (1811), p. p.

*Pyrus* Benth. & Hooker f., Gen. Pl. 1: 626 (1865), p. p.

*Mespilus a. Eumespilus* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 5: 362 (1862).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 12 (1906).

**M. germanica** Linnaeus, Sp. Pl. 478 (1753).—K. Koch, Hort. Dendr. 172 (1853).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 12 (1906).

*Mespilus sylvestris* Miller, Gard. Dict. ed. 8, M. no. 1 (1768).

*Mespilus communis* Güldenstädt, Reis. Russl. 1: 419, 428 (1787).

*Mespilus vulgaris* Güldenstädt, op. cit. 312 (1787).—Reichenbach, Fl. Germ. Excurs. 2: 630 (1832).

*Mespilus domestica* Gaterau, Descr. Pl. Montaub. 92 (1789), non Allioni (1785).

*Mespilus Germanica a. sylvestris* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 434 (1805).

*Ostinia Mespilus* [Clairville], Man. Herb. Suisse, 162 (1811).

*Mespilus portentosa* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. 6: M. no. 3, t. 202, fasc. 34? [1826], f. monstr.

*Pyrus germanica* Hooker f., Stud. Fl. Brit. Isl. 127 (1870).

*Crataegus Mespilus* Jessen, Deutsche Exc.-Fl. 395 (1879).

**M. germanica f. macrocarpa** [DC.] Zabel in Beissner et al., Handb. Laubh.-Ben. 180 (1903) "(f.)."

*Mespilus germanica* β. *macrocarpa* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 434 (1805).—K. Koch, Hort. Dendr. 172 (1853) "γ."

*Mespilus germanica* (var.) *hortensis* Dumont de Courset, Bot. Cult. ed. 2, 5: 446 (1811).

*Mespilus macrocarpa* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: M. no. 2, t. 201, fasc. 34? [1826].

*Mespilus germanica* b. *hortensis* a. *maliformis* et β. *pyriformis* Dierbach in Mag. Pharm. 20: 37 (Uebers. Heidelb. Wildw. Pfl.) (1827).

*Mespilus germanica* 3. *gigantea* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 288 (1864).—Schneider, Ill. Handb. Laubh. 1: 764 (1906) "f."

**M. germanica f. apyrena** (DC.), grad. nov.

*Mespilus germanica* γ. *apyrena* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 435 (1805).—K. Koch, Hort. Dendr. 172 (1853) "δ."—Jäger, Ziergeh. 313 (1865) "var."

*Mespilus abortiva* M[ordant] D[e] L[auney] in Bon Jard. 1808: 116 (1808).

*Mespilus germanica* var. 4. *M. abortiva* Dumont de Courset, Bot. Cult. ed. 2, 5: 446 (1811).

*Mespilus apyrena* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: M. no. 2, t. 201, fasc. 34? [1826].

*Mespilus germanica* β. *abortiva* K. Koch, Hort. Dendr. 172 (1853).—Schneider, Ill. Handb. Laubh. 1: 764 (1906) "f."

**CRATAEGOMESPILUS** (*Crataegus* × *Mespilus*) Simon-Louis in Rev. Hort. 1899: 403, 530 (1899, Sept.); Prix-Courant, 1900-1: 38 (1900).—Jouin in Compt. Rend. Congr. Hort. Paris, 1898: 9 (1898?).—L. Henry in Jour. Soc. Hort. France, sér. 3, 21: 956, fig. 37-40 (1899).—Koehne in Gartenfl. 40: 628 (1901).

*Cratae-mespilus* (*Crataegus* + *Mespilus*) G. Camus in Jour. de Bot. 13: 326 (1899, Oct.).

**C. grandiflora** [*C. oxyacantha* × *M. germanica*] (Smith) Bean, Trees Shrubs Brit. Isl. 1: 418 (1914).

*Mespilus grandiflora* J. Smith, Exot. Bot. 1: 33, t. 18 (1804).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 15 (1906).

?*Mespilus lobata* Poir. Encycl. Méth. Bot. Suppl. 4: 71 (1816).

?*Crataegus lobata* Bosc in Nouv. Cours. Compl. Agric. 223 (1821).—Seringe in De Candolle, Prodr. 2: 628 (1821).—Nyman, Consp. Fl. Eur. 244 (1878).

?*Cydonia lobata* Bosc in Bosc & Baudrillard, Encycl. Méth. Agric. 7 (Dict. Cult. Arb.): 306, 308 (1821).

*Mespilus Smithii* Seringe in De Candolle, Prodr. 2: 633 (1825).

*Mespilus pyrifolia* sensu Hayne in Guimpel, Otto & Hayne, Abb. Fremd. Holzart. 1: 169, t. 43 (1825), non Willdenow (1809).

*Crataegus grandiflora* K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. n. ser., 1: 226 (Weissd. 6. 1854) (1853).—Koehne, Deutsche Dendr. 230 (1893).

*Cratae-Mespilus grandiflora* G. Camus in Jour. de Bot. 13: 326 (1899).

**C. Gillotii** (*C. monogyna* × *M. germanica*) (Beck) Rehder in Jour. Arnold Arb. 1: 262 (1920).

*Crataegus oxyacantho-germanica* Gillot in Bull. Soc. Bot. France, 22: xiv (1876), exclud. syn.; in Bull. Herb. Boissier, 2: app. 4: 18 (1894), p. p.

*Crataemespilus Gillotii* G. Beck in Reichenbach, Icon. Fl. Germ. 25: 30, t. 107 (1914).

**C. Dardari** (*C. monogyna* + *M. germanica*) Simon-Louis, Prix-Courant, 1900-1: 38 (1900).—Jouin in Jardin, 13: 22 (1899, Jan.) "Néflier de Bronvaux."—Simon-Louis ex Bellair in Rev. Hort. 1899: 482 (1899).—Koehne in Gartenfl. 49: 99 (1900).—Schneider, Ill. Handb. Laubh. 1: 765, fig. 433i-k, 434d-f (1906).

*Crataegus Oxyacantha* × *Mespilus germanica* 1. *Dardari* Koehne in Gartenfl. 50: 629 (1901).

*Crataegomespilus Dardarii* f. *mespiloides* Zabel in Beissner et al., Handb. Laubh.-Ben. 180 (1903).

*Mespilus Germanica* × *monogyna* a. *Dardari* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 46 (1906).

**C. Dardari f. Asnieresii** (Koehne), grad. nov.

*Crataeo-mespilus* "Jules d'Asnières", Simon-Louis ex Jouin in Jardin, 13: 22 (1899).

*Crataegus Oxyacantha* × *Mespilus germanica* 2. *Asnieresii* Koehne in Gartenfl. 50: 632 (1901).

*Crataegomespilus Dardarii* f. *crataegoides* Zabel in Beissner et al., Handb. Laubh.-Ben. 180 (1903).

*Crataegomespilus Asnieresii* Schneider, Ill. Handb. Laubh.

- 1: 765, fig. 433g-h, 434a-c (1906).—Beck in Reichenbach, Icon. Fl. Germ. **25**: 31, t. 100 [1914].  
*Mespilus Germanica* × *monogyna* B. *Asnieresi* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 46 (1906).  
*Crataegomespilus Dardari* var. *Asnieresi* Rehder in Jour. Arnold Arb. **1**: 262 (1920).
- CRATAEGUS** Linnaeus, Sp. Pl. 475 (1753), p. p.; Gen. Pl. ed. 5, 213, no. 547 (1754), p. p.—Bentham & Hooker f., Gen. Pl. **1**: 626 (1865).—Sargent, Silva N. Am. **4**: 83 (1892); **13**: 31 (1902).—Palmer in Jour. Arnold Arb. **6**: 5–128 (1925).  
*Mespilus* Scopoli, Fl. Carniol. **1**: 345 (1772), p. p.—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 13 (1906), p. p.  
*Oxyacantha* Medicus, Phil. Bot. **1**: 15 (1789).—Nieuwland in Am. Midland Nat. **4**: 277 (1915).  
*Azarolus* Borkhausen, Theor.-Prakt. Handb. Forstbot. **2**: 1224 (1803), p. p. typ.  
*Ostinia* [Clairville], Man. Herb. Suisse, 162 (1811), p. p.  
*Xeromalon* Rafinesque, New Fl. N. Am. **3**: 11 [1838].  
*Halmia* (Medik.) Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 134 (1847), err. pro *Hahnia* Medic.  
*Anthomeles* Roemer, op. cit. 140 (1847).  
*Phaenopyrum* Roemer, op. cit. 152 (1847).  
*Mespilus* subgen. *Crataegus* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **5**: 363 (1862).  
*Phalacro* Wenzig in Linnaea, **38**: 164 (1874).  
*Crataegus* . . . *Macrocarpae* Sargent, Silva N. Am. **13**: 32 (1902).  
LECTOTYPUS: *C. Oxyacantha* L.
- Ser. 1. **MOLLES** (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 361 (1940).  
*Crataegus* . . . *Molles* Sargent in Rhodora, **3**: 20 (1901), nom. subnud.—Beadle in Biltmore Bot. Stud. **1**: 119 (1902, Apr.), nom. subnud.; in Small, Fl. Southeast. U. S. 533 (1903).—Sargent, Silva N. Am. **13**: 33 (1902, Dec.).—Schneider, Ill. Handb. Laubh. **1**: 769, 797 (1906) "sect."
- C. mollis** (Torr. & Gr.) Scheele in Linnaea, **21**: 569 (1848).—Sargent, Silva N. Am. **13**: 83, t. 659 (1902).  
*Mespilus pubescens* Wendland in Flora, **6,2**: 700 (1823, Nov. 20), non Bonpland, Humboldt, Kunth (1823, Aug. 30).  
*Crataegus coccinea* β. *pubescens* Tausch in Flora, **21,2**: 718 (1838).  
*Crataegus coccinea* ε. ? *mollis* Torrey & Gray, Fl. N. Am. **1**: 465 (1840).  
*Crataegus subvillosa* Schrader ex Torrey & Gray, Fl. N. Am. **1**: 465 (1840), pro syn.  
*Crataegus tiliaefolia* K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. n. ser., **1**: 247 (Weissd. 27) (1853).  
*Crataegus tomentosa* var. *mollis* Gray, Man. N. U. S. ed. 5, 160 (1867), p. p.  
*Mespilus mollis* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 18 (1906), p. p. typ.; non Moench (1785).  
*Oxyacantha mollis* Lunell in Am. Midland Nat. **5**: 237 (1919).
- C. arkansana** Sargent in Bot. Gaz. **31**: 223 (1901); Silva N. Am. **13**: 85, t. 660 (1902).
- C. peregrina** [*C. mollis* × *nigra*?] Sargent, Trees Shrubs, **2**: 235, t. 191 (1913).
- C. submollis** Sargent in Bot. Gaz. **31**: 7 (1901); Man. Trees N. Am. 439, fig. 357 (1905).  
*Crataegus tomentosa* sensu Emerson, Rep. Trees Shrubs Mass. 435 (1850). non Linnaeus (1753).
- Crataegus mollis* sensu Sargent, Silva N. Am. **4**: 99, t. 182 (1892), p. p.; non Scheele (1848).
- C. arnoldiana** Sargent in Bot. Gaz. **31**: 221 (1901); Silva N. Am. **13**: 103, t. 668 (1902).
- C. Ellwangeriana** Sargent in Bot. Gaz. **33**: 118 (1902); Silva N. Am. **13**: 109, t. 671 (1902).  
*Crataegus coccinea* var. *Ellwangeriana* Eggleston in New York State Mus. Bull. **243-4**: 64 (1923).  
*Crataegus pedicellata* [sic] var. *Ellwangeriana* Eggleston in Rhodora, **10**: 82 (1908).
- C. Robesoniana** Sargent in Rhodora, **5**: 110 (1903).  
*Crataegus spissiflora* Sargent in Proc. Rochester Acad. Sci. **4**: 112 (1903).
- Ser. 2. **DILATATAE** (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 362 (1940).  
*Crataegus* . . . *Dilatatae* Sargent in Rhodora, **3**: 26 (1901); Silva, N. Am. **13**: 33 (1902).  
*Crataegus* 3. *Deltoides* Rehder in Bailey, Stand. Cycl. Hort. **2**: 882 (1914), nom. subnud.
- C. coccinioides** Ashe in Jour. Elisha Mitchell Sci. Soc. **16**: 74 (1900).—Sargent, Silva N. Am. **13**: 115, t. 674 (1902).  
*Crataegus speciosa* Sargent, Trees & Shrubs, **1**: 65, t. 33 (1903).  
*Crataegus callicarpa* Sargent in Ann. Rep. Missouri Bot. Gard. **19**: 96 (1908).  
*Crataegus acutiloba* sensu Bean, Trees Shrubs Brit. Isl. **1**: 424 (1914), non Sargent (1901).  
*Oxyacantha coccinioides* Lunell in Am. Midland Nat. **4**: 278 (1915).
- C. durobrivensis** Sargent, Trees & Shrubs, **1**: 3, t. 2 (1902).
- C. dilatata** Sargent in Bot. Gaz. **31**: 9 (1901); Silva N. Am. **13**: 113, t. 673 (1902).  
*Crataegus coccinioides* var. *dilatata* Eggleston in Rhodora, **10**: 81 (1908).
- Ser. 3. **COCCINEAE** (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 362 (1940).  
*Crataegus* §. 1. *Coccineae* Loudon, Arb. Brit. **2**: 816 (1838), p. p.—Schneider, Ill. Handb. Laubh. **1**: 769, 799 (1906) "sect."  
*Crataegus* . . . *Lobulatae* Sargent, Silva N. Am. **1**: 33 (1902).  
*Crataegus* §. *Coccineae* . . . *Eucoccineae* Rehder ex Vilmorin & Bois, Frutic. Vilmor. 106 (1904), nom. subnud.
- C. pedicellata** Sargent in Bot. Gaz. **31**: 226 (1901); Silva N. Am. **13**: 121, t. 677 (1902).  
*Crataegus coccinea* Linnaeus, Sp. Pl. 476 (1753), p. p.—NOM. AMBIG. PROPOS.: E. J. Palmer in Jour. Arnold Arb. **19**: 285 (1938).
- C. pedicellata** var. *gloriosa* (Sarg.) Sargent in Jour. Arnold Arb. **1**: 254 (1920).  
*Crataegus gloriosa* Sargent in New York State Mus. Bull. **122**: 70 (1908).
- Ser. 4. **TENUIFOLIAE** (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 362 (1940).  
*Crataegus Tenuifoliae* Sargent in Rhodora, **3**: 23 (1901), nom. subnud.—Beadle in Biltmore Bot. Stud. **1**: 125 (1902, Apr.), nom. subnud.; in Small, Fl. Southeast. U. S. 533 (1903).—Sargent, Silva N. Am. **13**: 34 (1902).—Schneider, Ill. Handb. Laubh. **1**: 798 (1906) "sect."

**Crataegus** Ser. 4. TENUIFOLIAE (continued)

*Crataegus* "gruppe" *Coccineae* Zabel in Beissner et al., Handb. Laubh.-Ben. 170 (1903), p. p.

- C. flabellata** [Spach] K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. n. ser., 1: 240 (Weissd. 20, 1854) (1853). — Kirchner in Petzold & Kirchner, Arb. Muscav. 268 (1864). — Lange, Rev. Sp. Crataeg. 28, fig. D (1897). *Mespilus flabellata* Bosc in Bosc & Baudrillard, Dict. Cult. Arb. 591 (Encycl. Méth. Agr. 7) (1821) "de l'Orient", nom. — Spach, Hist. Nat. Vég. Phan. 2: 63, t. 10, fig. D (1834).

*Crataegus crudelis* Sargent in Rhodora, 5: 143 (1903). — Eggleston in Gray, Man. Bot. N. U. S. ed. 7, 470 (1908).

*Crataegus blandita* Sargent in op. cit. 147 (1903).

- C. flabellata** var. *Grayana* (Egglest.) Palmer in Brittonia, 5: 486 (1946).

*Crataegus flabellata* sensu Sargent in Rhodora, 3: 75 (1901), non K. Koch (1853).

*Crataegus Grayana* Eggleston in Rhodora, 10: 80 (1908).

- C. macrosperma** Ashe in Jour. Elisha Mitchell Sci. Soc. 16: 73 (1900). — Nash in Addisonia, 4: 35, t. 138 (1919). — Eggleston in New York State Mus. Bull. 254: 419 (House, Annot. List Ferns Flow. Pl. N. York St.) (1924). — E. J. Palmer in Deam, Fl. Indiana, 545 (1940).

*Crataegus glaucophylla* Sargent in Rhodora, 5: 140 (1903).

*Crataegus otiosa* Ashe in Jour. Elisha Mitchell Sci. Soc. 20: 48 (1904).

*Oxyacantha macrosperma* Nieuwland in Am. Midland Nat. 4: 278 (1915).

*Crataegus cordifolia* var. *macrosperma* (Ashe) Farwell in Am. Midland Nat. 12: 63 (1930).

- C. macrosperma** var. *acutiloba* (Sarg.) Eggleston in Rhodora, 10: 80 (1908).

?*Mespilus foliis cordato-ovatis* . . . Miller, Fig. Pl. 2: 119, t. 179 (1760), basonym. spec. sequentis.

?*Mespilus cordato* Miller, Gard. Dict. ed. 8, M. no. 4 (1768), sphalm. pro *cordata*?

?*Mespilus cordifolia* Miller, op. cit. sub Corr. ad finem vol. 2 (1768). — Farwell in Am. Midland Nat. 12: 63 (1930).

*Crataegus acutiloba* Sargent in Rhodora, 3: 23 (1901).

- Ser. 5. ROTUNDIFOLIAE (Egglest.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 363 (1940).

*Crataegus* . . . *Coccineae* Sargent, Silva N. Am. 13: 34 (1902). — Schneider, Ill. Handb. Laubh. 1: 769, 799 (1906) "sect." — Non Loudon (1838).

*Crataegus* . . . *Rotundifoliae* Eggleston in Rhodora, 10: 75 (1908); in Gray, Man. Bot. N. U. S. ed. 7, 467 (1908) "§. 8. R."

- C. chrysocarpa** Ashe in Bull. N. Carol. Agric. Exper. Sta. 175: 110 (1900).

*Crataegus sheridana* A. Nelson in Bot. Gaz. 34: 370 (1902).

*Crataegus rotundifolia* var. *chrysocarpa* Eggleston in Rhodora, 10: 79 (1908).

*Oxyacantha chrysocarpa* (Ashe) Lunell in Am. Midland Nat. 4: 422 (1916).

- C. chrysocarpa** var. *phoenicea* E. J. Palmer in Dole (ed.), Fl. Vermont (Bot. Club Vermont), 152 (1937).

*Crataegus rotundifolia* Moench, Verz. Ausl. Bäume Weisenst. 29 (1785), non Lamarck (1783).

*Mespilus rotundifolia* Ehrhart, Beitr. Naturk. 3: 20

(1788). — Ascherson & Graebner, Syn. Mitteleur. Fl. 62: 17 (1906).

*Crataegus coccinea* var. *rotundifolia* (Moench) Sargent in Bot. Gaz. 31: 14 (1901).

- Ser. 6. PRUINOSAE (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 363 (1940).

*Crataegus* . . . *Pruinosae* Sargent in Rhodora, 3: 26 (1901); Silva N. Am. 13: 32 (1902, Dec.). — Beadle in Biltmore Bot. Stud. 1: 58 (1902, Apr.).

*Crataegus* . . . *Silvicolae* Beadle, l. c. (1902).

*Crataegus* "gruppe" *Coccineae* Zabel in Beissner et al., Handb. Laubh.-Ben. 170 (1903), p. p.

*Crataegus* . . . *Medioximae* Sargent in Proc. Acad. Nat. Sci. Philad. 62: 188 (1910).

- C. pruinosa** (Wendl.) K. Koch, Hort. Dendr. 168 (1853). — Sargent, Silva N. Am. 13: 61, t. 648 (1902). — House in New York State Mus. Bull. 254: 419 (Annot. List Ferns Flow. Pl. New York St.) (1924). — E. J. Palmer in Ann. Missouri Bot. Gard. 22: 562 (1935).

*Mespilus pruinosa* Wendland in Flora, 6: 701 (1823).

*Crataegus coccinea* d. *pruinosa* Dippel, Handb. Laubh. 3: 436 (1893).

- Ser. 7. INTRICATAE (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 363 (1940).

*Crataegus* . . . *Intricatae* Sargent in Rhodora, 3: 28 (1901); Silva N. Am. 13: 32 (1902). — Schneider, Ill. Handb. Laubh. 1: 769, 801 (1906) "sect."

*Crataegus* . . . *Boyntonianae* Beadle, Biltmore Bot. Stud. 1: 58 (1902), nom. subnud.

*Crataegus* . . . *Sargentianae* Beadle, op. cit. 59 (1902), nom. subnud.

*Crataegus* . . . *Biltmoreanae* Beadle in op. cit. 120 (1902), nom. subnud.

*Crataegus* "gruppe" *Coccineae* Zabel in Beissner et al., Handb. Laubh.-Ben. 170 (1903), p. p.

*Crataegus* §. *Coccineae* . . . *Intricatae* Rehder ex Vilmorin & Bois, Frutic. Vilmor. 105 (1904).

- C. intricata** Lange in Bot. Tidsskr. 19: 264, t. (1895).

*Crataegus coccinea* Linnaeus, Sp. Pl. 476 (1753), p. p.

*Crataegus apposita* Sargent in Bot. Gaz. 35: 103 (1903).

- Ser. 8. BRACTEATAE (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 363 (1940).

*Crataegus* . . . *Bracteatae* Sargent, Silva N. Am. 13: 34 (1902).

*Crataegus* XXIX. *Harbisonianae* Beadle in Small, Fl. Southeast. St. 533 (1903).

- C. Harbisoni** Beadle in Bot. Gaz. 28: 413 (1899). — Sargent, Silva N. Am. 13: 151, t. 691 (1902).

- Ser. 9. TRIFLORAE (Beadle) Rehder, Man. Cult. Trees Shrubs, ed. 2, 364 (1940).

*Crataegus* XXVIII. *Triflorae* Beadle in Small, Fl. Southeast. St. 533 (1903).

- C. triflora** Chapman, Fl. Southeast. U. S. ed. 2, Suppl. 2: 684 (1892); ed. 3, 139 (1897).

- Ser. 10. VIRIDES (Beadle) Rehder, Man. Cult. Trees Shrubs, ed. 2, 364 (1940).

*Crataegus* . . . *Virides* Beadle in Biltmore Bot. Stud. 1: 52 (1902, Apr.), nom. subnud.; in Small, Fl. Southeast. St. 532 (1903). — Sargent, Silva N. Am. 13: 35 (1902, Dec.). — Schneider, Ill. Handb. Laubh. 1: 769, 798 (1906) "sect." — Eggleston in Gray, Man. Bot. N. U. S. ed. 7, 464 (1908).

- Crataegus* "gruppe" *Punctatae* Zabel in Beissner et al., Handb. Laubh.-Ben. 172 (1903), p. p.
- C. viridis** Linnaeus, Sp. Pl. 476 (1753). — Sargent, Silva N. Am. 4: 109, t. 187 (1892).  
*Crataegus arborescens* Elliot, Sketch Bot. S. Carol. 1: 550 (1821).  
*Phaenopyrum arborescens* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 153 (1847).  
*Crataegus larga* Sargent in Ann. Rep. Missouri Bot. Gard. 19: 85 (1908).  
*Crataegus furcata* Sargent in op. cit. 86 (1908).  
*Crataegus Davisii* Sargent in op. cit. 22: 77 (1912).  
*Crataegus Pechiana* Sargent in op. cit. 78 (1912).
- C. nitida** (Engelm.) Sargent in Bot. Gaz. 31: 231 (1901). — Sargent, Silva N. Am. 13: 179, t. 703 (1902).  
*Crataegus viridis nitida* Engelm. ex Britton & Brown, Ill. Fl. N. U. S. 2: 242 (1897).
- Ser. 11. **CRUS-GALLIANAE** Rehder in Jour. Arnold Arb. 26: 71 (1945).  
*Crataegus* §. iv. *Crus-galli* Loudon, Arb. Brit. 2: 820 (1838). — Sargent in Rhodora, 3: 19 (1901); Silva N. Am. 1: 32 (1902). — Schneider, Ill. Handb. Laubh. 1: 769, 796 (1906) "sect." — Rehder, Man. Cult. Trees Shrubs, ed. 2, 364 (1940) "ser."  
*Crataegus* . . . *Berberifoliae* Beadle in Biltmore Bot. Stud. 1: 127 (1902), nom. subnud.; in Small, Fl. Southeast. U. S. 533 (1903).  
*Crataegus* "gruppe" *Crura galli* Zabel in Beissner et al., Handb. Laubh.-Ben. 171 (1903).
- C. crus-galli** Linnaeus, Sp. Pl. 476 (1753). — Sargent, Silva N. Am. 4: 91, t. 178 (1892). — Eggleston in New York St. Mus. Bull. 254: 419 (1924). — Palmer in Ann. Missouri Bot. Gard. 22: 557 (1935); in Deam, Fl. Indiana, 537 (1940).  
*Crataegus lucida* Miller, Gard. Dict. ed. 8, C. no. 5 (1768).  
*Mespilus Crus galli* Du Roi, Harbk. Baumz. 1: 193 (1771).  
*Mespilus cuneiformis* Marshall, Arbust. Am. 88 (1785).  
*Mespilus lucida* Ehrhart, Beitr. Naturk. 4: 17 (1789).  
*Crataegus laurifolia* Medicus, Gesch. Bot. 84 (1793).  
*Mespilus cuneifolia* Moench, Meth. Pl. 684 (1794).  
*Mespilus Watsoniana* Spach, Hist. Nat. Vég. Phan. 2: 57 (1834).  
*Crataegus Watsoniana* Roemer, Fam. Nat. Veg. Reg. Syn. 3: 117 (1847).  
*Crataegus crus-galli* f. *vulgaris* Rickett in Bot. Gaz. 98: 613 (1937).
- C. crus-galli** var. *salicifolia* [Med.] Aiton, Hort. Kew. 2: 170 (1789) "γ."  
*Crataegus salicifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 10 [1782?], nom. — Medicus, Bot. Beobacht. 2: 345 (1782).  
*Mespilus lucida angustifolia* Ehrhart, Beitr. Naturk. 4: 18 (1789).  
*Crataegus linearis* Persoon, Syn. Pl. 2: 37 (1807).  
*Mespilus linearis* Desfontaines, Hist. Arb. Arbriss. 2: 156 (1809).  
*Crataegus crus-galli* δ. *linearis* Seringe in De Candolle, Prodr. 2: 626 (1825).  
*Crataegus Fontanesiana* Schauer in Allg. Gartenzeit. 17: 58 (1849), non Steudel (1840).  
*Mespilus crus-galli* β. *salicifolia* Wenzig in Linnaea, 38: 139 (1874). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 19 (1906).  
*Mespilus crus-galli* δ. *linearis* Wenzig in op. cit. 140 (1874). — Ascherson & Graebner, l. c. (1906).
- C. crus-galli** var. *pyracanthifolia* Aiton Hort. Kew. 2: 170 (1789) "β."  
*Mespilus pyracanthifolia* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 3: 12, 49 (1826).  
*Crataegus pyracanthifolia* (Ait.) Sweet, Hort. Brit. ed. 3, 209 (1839).  
? *Crataegus Buistii* Hort. ex K. Koch, Dendr. 1: 144 (1869), pro syn.
- C. crus-galli** var. *splendens* Aiton f., Hort. Kew. ed. 2, 3: 202 (1811).  
? *Crataegus prunifolia* var. *splendens* Osborn in Gard. Chron. ser. 3, 78: 146, t. (1925).
- C. Fontanesiana** (Spach) Steudel, Nomencl. Bot. ed. 2, 1: 432 (1840).  
*Mespilus Fontanesiana* Spach, Hist. Nat. Vég. Phan. 2: 58 (1834).  
*Crataegus olivacea* Sargent in Proc. Acad. Nat. Sci. Philad. 62: 153 (1910).
- C. fecunda** Sargent in Bot. Gaz. 33: 111 (1902); Man. Trees N. Am. ed. 2, 404, fig. 356 (1922).
- C. persistens** [*C. crus-galli* × ?] Sargent, Trees & Shrubs, 2: 233, t. 190 (1913).
- C. Lavalleyi** [*C. crus-galli* × *pubescens* ?] Herincq ex Lavallée, Arb. Segrez. Icon. 21, t. 7 [1880].  
*Crataegus Carrieri* [Vauvel ex] Carrière in Rev. Hort. 1883: 108, t. (1883). — Suringar in Mitt. Deutsch. Dendr. Ges. 43: (1931): 211 (1931).  
*Crataegus mexicana* var. *Carrierii* [Gumbleton] in Gard. Chron. ser. 3, 4: 736, fig. 104 (1888).
- Ser. 12. **CUNEATAE** (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 365 (1940).  
*Crataegus* §. *Flavae* . . . *Cuneatae* Rehder ex Vilmorin & Bois, Frutic. Vilmor. 105 (1904), nom. subnud. — Schneider, Ill. Handb. Laubh. 1: 768, 793 (1906) "sect."  
*Crataegus* . . . *Flavae* Zabel in Beissner et al., Handb. Laubh.-Ben. 169 (1903), p. p.
- C. cuneata** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 130 (Fl. Jap. Fam. Nat. 1: 22) (1845). — Sargent, Pl. Wilson. 1: 179 (1912).  
*Mespilus cuneata* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 5: 388 (1862).  
*Crataegus alnifolia* Hort. ex Dippel, Handb. Laubh. 3: 444 (1893), pro syn.; non Siebold & Zuccarini (1845).  
*Crataegus spathulata* Hort. ex Dippel, l. c. (1893), pro syn.; non Michaux (1803).
- Ser. 13. **MEXICANAE** (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 365 (1940).  
*Crataegus* §. xiv. *Mexicana* [sic] Loudon, Arb. Brit. 2: 843 (1838). — Schneider, Ill. Handb. Laubh. 1: 768, 794 (1906) "*Mexicanae* [sect. provis.]"  
*Mespilus* subgen. *Crataegus* A. *Pseudomespilus* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 5: 363 (1862).  
*Crataegus* . . . *Flavae* Zabel in Beissner et al., Handb. Laubh.-Ben. 169 (1903), nom. subnud.
- C. pubescens** (H. B. K.) Steudel, Nomencl. Bot. ed. 2, 1: 433 (1840). — Stapf in Kew Bull. 1914: 289 (1914).  
*Mespilus pubescens* Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. 6: 217, t. 555 (1823).  
*Mespilus mexicana* De Candolle, Prodr. 2: 629 (1825).  
*Crataegus mexicana* Loudon, Arb. Brit. 2: 843 (1838). — Standley in Contrib. U. S. Nat. Herb. 23: 336 (1922).  
*Crataegus subserrata* Benth. Pl. Hartweg. 10 (1839).

**Crataegus** (continued)

- C. pubescens** f. *stipulacea* (Loud.) Stapf in Kew Bull. 1914: 293, 295, 297 (1914); in Bot. Mag. 140: t. 8589 (1914).  
*Mespilus stipulosa* Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. 6: 217 (1823).  
*Crataegus stipulacea* Loddiges Cat. ex Loudon, Arb. Brit. 2: 843 (1838), pro syn.  
*Crataegus stipulosa* Steudel, Nomencl. Bot. ed. 2, 1: 423 (1840).  
*Crataegus Loddigesiana* K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. n. ser., 1(1853): 228 (Weissd. 8) [1854].  
*Crataegus hypolasia* K. Koch, Hort. Dendr. 167 (1853).
- C. grignonensis** [*C. crus-galli* × *pubescens*] Mouillefert in Jour. Soc. Hort. France, sér. 3, 12: 153 (1890).—Osborn in Gard. Chron. ser. 3, 107: 57, fig. 26 (1840) "*C. stipulosa* × ?"
- Ser. 14. PUNCTATAE (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 365 (1940).  
*Crataegus* §. II *Punctatae* Loudon, Arb. Brit. 2: 818 (1838).—Sargent, Silva N. Am. 13: 33 (1902).—Schneider, Ill. Handb. Laubh. 1: 769, 794 (1906) "sect."  
*Crataegus* §. *Punctatae* . . . *Eupunctatae* Rehder ex Vilmorin & Bois, Frutic. Vilmor. 110 (1904), nom. subnud.  
*Crataegus* §. *Punctatae* . . . *Collinae* Rehder ex Vilmorin & Bois, l. c. (1904), nom. subnud.
- C. punctata** Jacquin, Hort. Vindob. 1: 10, t. 88 (1770).—Sargent, Silva N. Am. 4: 103, t. 184 (1892).  
*Mespilus cornifolia* Muenchhausen, Hausvater, 5: 145 (1770).  
*Mespilus cuneiformis* Marshall, Arbust. Am. 153 (1785).  
*Mespilus cuneifolia* Ehrhart, Beitr. Naturk. 3: 21 (1788).  
*Crataegus punctata* a. *rubra* Aiton, Hort. Kew. 2: 170 (1789).  
*Crataegus cuneifolia* Borkhausen in Arch. für Bot. (Roemer) 1, 3: 86 (1798).  
? *Crataegus latifolia* Persoon, Syn. Pl. 2: 37 (1807), non Lamarck (1778).  
*Crataegus pyrifolia* Desfontaines, Hist. Arb. Arbriss. 2: 155 (1809), non Willdenow (1809).  
*Mespilus punctata* Loiseleur in Duhamel, Traité Arb. Arbust. Cult. France, éd. augm. [Nouv. Duhamel] 4: 152 (1809).  
*Mespilus Trewiana* Tausch in Flora, 21: 716 (1836).  
*Crataegus flava* Darlington, Fl. Cestr. ed. 2, 292 (1837), non Aiton (1789).  
*Crataegus obovatifolia* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 120 (1847).  
*Halmia punctata* Roemer, op. cit. 134 (1847).  
*Halmia cornifolia* Roemer, op. cit. 135 (1847).  
*Phaenopyrum Trewianum* Roemer, op. cit. 154 (1847).  
*Crataegus tomentosa* var. *punctata* Gray, Man. Bot. N. U. S. ed. 2, 124 (1856).  
*Crataegus tomentosa* β. *plicata* Wood, Class-book Bot. 330 (1861).  
? *Crataegus desueta* Sargent in New York St. Mus. Bull. 122: 84 (1908).  
*Oxyacantha punctata* (Jacq.) Nieuwland in Am. Midland Nat. 4: 278 (1915).
- C. punctata** f. *aurea* (Ait.), grad. nov.  
*Crataegus punctata* β. *aurea* Aiton, Hort. Kew. 2: 170 (1789).  
*Mespilus pyrifolia lutea* Poiteau & Turpin in Duhamel,

Traité Arb. Fruit. nouv. éd., 6: M. no. 3, t. 247, fasc. 42? [1827].

*Halmia punctata* β. *xanthocarpa* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 135 (1847).

*Crataegus punctata* var. *xanthocarpa* (Roem.) Lavallée, Arb. Segrez. Icon. 53, t. 16 [1881].

*Crataegus crocata* Ashe in Ann. Carnegie Mus. 1: 389 (1902).

**C. collina** Chapman, Fl. South. St. ed. 2, Suppl. 2, 684 (1892); ed. 3, 140 (1897).—Sargent, Silva N. Am. 13: 73, t. 654 (1902).—Palmer in Ann. Missouri Bot. Gard. 22: 560 (1935).

*Crataegus collicola* Ashe in Jour. Elisha Mitchell Sci. Soc. 16, 2: 75 (1900).

Ser. 15. BREVISPINAE (Beadle) Rehder, Man. Cult. Trees Shrubs, ed. 2, 366 (1940).

*Crataegus* . . . *Brevispinae* Beadle in Small, Fl. Southeast. U. S. 532 (1903).

*Crataegus* . . . *Brachyacanthae* Sargent, Man. Trees N. Am. 489 (1905).

**C. brachyacantha** Sargent & Engelm. in Bot. Gaz. 7: 128 (1882).—Sargent, Silva N. Am. 4: 89, t. 177 (1892).

**C. saligna** Greene in Pittonia, 3: 99 (1896).—Sargent, Silva N. Am. 13: 37, t. 636 (1902).

Ser. 16. AESTIVALES (Sarg.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 366 (1940).

*Crataegus* . . . *Aestivales* Sargent, Silva N. Am. 13: 35 (1902).—Schneider Ill. Handb. Laubh. 1: 169, 794 (1906) "sect."

**C. aestivalis** (Walt.) Torrey & Gray, Fl. N. Am. 1: 468 (1840), p. p. exclud. *C. opaca* Hook. & Arnott.—Sargent, Silva N. Am. 4: 119, t. 192 (1892), p. p.

*Mespilus aestivalis* Walter, Fl. Carol. 148 (1788).

? *Crataegus lucida* Elliott, Sketch Bot. S. Carol. 1: 548 (1821).

*Crataegus elliptica* sensu Elliott, op. cit. 549 (1821), nom. Aiton (1789), nec ? Pursh (1814).

*Anthomeles aestivalis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 141 (1847).

**C. opaca** Hooker & Arnott in Comp. Bot. Mag. 1: 25 (1835).—Sargent, Man. Trees N. Am. ed. 2, 436, fig. 392 (1922).

*Crataegus nudiflora* Nuttall msc. ex Torrey & Gray, Fl. N. Am. 1: 468 (1840), pro syn.

*Crataegus aestivalis* sensu Tidestrom in Small, Man. Southeast. Fl. 641 (1933), non Torr. & Gray (1840).

Ser. 17. PARVIFOLIAE (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 366 (1940).

*Crataegus* §. XIII. *Parvifoliae* Loudon, Arb. Brit. 2: 841 (1838).—Sargent, Silva N. Am. 13: 34 (1902).

*Crataegus* . . . *Uniflorae* Beadle in Biltmore, Bot. Stud. 1: 117 (1902), nom. subnud.; in Small, Fl. Southeast. U. S. 533 (1903).—Schneider, Ill. Handb. Laubh. 1: 768, 793 (1906).

*Crataegus* "gruppe" *Flavae* Zabel in Beissner et al., Handb. Laubh.-Ben. 169 (1903), nom. subnud.

**C. uniflora** Muenchhausen, Hausvater, 5: 147 (1770).—Sargent, Silva N. Am. 4: 117, t. 191 (1892).

*Crataegus tomentosa* Linnaeus, Sp. Pl. 476 (1753), p. p.; NOM. AMBIG. PROPOS.: E. J. Palmer in Jour. Arnold Arb. 19: 287 (1938).

- Mespilus xanthocarpa* Ehrhart ex Linnaeus f., Suppl. Pl. 254 (1781).
- Mespilus flexispina* Moench, Verz. Ausl. Bäum. Weissenst. 62 (1785).
- Mespilus Oxyacantha aurea* Marshall, Arbust. Am. 89 (1785).
- Mespilus laciniata* Walter, Fl. Carol. 147 (1788).
- Crataegus parvifolia* Aiton, Hort. Kew. 2: 169 (1789).
- Mespilus Azarolus* δ. *aurea* Castiglioni, Viagg. St. Uniti, 2: 292 (1790).
- Crataegus xanthocarpa* Medicus, Gesch. Bot. 85 (1793).
- Mespilus parviflora* (H. K.) Dumont de Courset, Bot. Cult. 3: 328 (1802), sphalm. pro *parvifolia*.
- Crataegus unilateralis* Persoon, Syn. Pl. 2: 37 (1807).
- Crataegus axillaris* Persoon, op. cit. 39 (1807).
- Mespilus parvifolia* Willdenow, Enum. Pl. Hort. Berol. 523 (1809).
- Mespilus tomentosa* Poirlet in Duhamel, Traité Arb. Arbust. Cult. France, éd. augm. [Nouv. Duhamel] 4: 153 [1809]. — Hoffmannsegg, Verz. Pflanzenkult. 80 (1824). — Non Aiton (1789).
- Mespilus flexuosa* Poirlet, Encycl. Meth. Bot. Suppl. 4: 73 (1816).
- Mespilus unilateralis*, Poirlet, l. c. (1816).
- Crataegus flexuosa* De Candolle, Prodr. 2: 672 (1825).
- Xeromalon obovatum* Rafinesque, New Fl. N. Am. 3: 12 [1838].
- Phaenopyrum parvifolium* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 152 (1847).
- Phaenopyrum uniflorum* Roemer, op. cit. 153 (1847).
- Mespilus uniflora* K. Koch, Dendr. 1: 141 (1869). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 15 (1906).
- Crataegus Smithii* Sargent, Trees & Shrubs, 1: 67, t. 34 (1903).
- Crataegus trianthophora* Sargent, op. cit. 2: 11, t. 106 (1907).
- C. Brittonii** Eggleston in Bull. Torrey Bot. Club, 36: 640 (1909).
- Crataegus Vailiae* sensu Beadle in Small, Fl. Southeast. U. S. 561 (1903), non Britton (1897).
- Ser. 18. FLAVAE (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 366 (1940).
- Crataegus* §. VII. *Flavae* Loudon, Arb. Brit. 2: 823 (1838). — Beadle in Biltmore Bot. Stud. 1: 70 (1902). — Sargent, Silva N. Am. 13: 34 (1902). — Schneider, Ill. Handb. Laubh. 1: 768, 792 (1906) "sect."
- Crataegus* IX. *Euflavae* Beadle in Small, Fl. Southeast. U. S. 533 (1903). — Rehder ex Vilmorin & Bois, Frutic. Vilmor. 105 (1904) "§. *Flavae* . . . E."
- C. aprica** Beadle in Bot. Gaz. 30: 335 (1900). — Sargent, Silva N. Am. 13: 169, t. 698 (1902).
- C. elliptica** Aiton, Hort. Kew. 2: 168 (1789). — Torrey & Gray, Fl. N. Am. 1: 469 (1840).
- ?*Crataegus Virginica major* W. Young, Cat. Arb. Arbust. Am. 7 (1783), nom.
- ?*Crataegus viridis* Walter, Fl. Carol. 147 (1788), non Linnaeus (1753).
- ?*Mespilus hyemalis* Walter, op. cit. 148 (1788). — Lamarck, Encycl. Méth. Bot. 4: 447 [1798?].
- Mespilus elliptica* Lamarck, l. c. [1798?].
- Crataegus glandulosa* Michaux, Fl. Bor.-Am. 1: 288 (1803). — Non Aiton (1789), nec Willdenow (1796).
- Crataegus Michauxii* Persoon, Syn. Pl. 2: 38 (1807).
- Crataegus spathulata* Pursh, Fl. Am. Sept. 1: 336 (1814), non Michaux (1803).
- Mespilus Michauxii* Hornemann, Hort. Reg. Bot. Hafn. 2: 455 (1815).
- Crataegus flava* sensu Elliott, Sketch Bot. S. Carol. 1: 557 (1821), non Aiton (1789).
- Crataegus flava* var. *lobata* Lindley in Bot. Reg. 23: 1932 (1837).
- Crataegus lobata* Loudon, Arb. Brit. 2: 824, fig. 554 (1838), non Bosc (1821).
- Crataegus virginica* Loddiges Cat. ex Loudon, op. cit. 842, fig. 560, 616 (1838).
- Phaenopyrum Virginicum* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 155 (1847).
- Phaenopyrum ellipticum* Roemer, l. c. (1847).
- Crataegus flava* var. *pubescens* Gray, Man. Bot. N. U. S. ed. 5, 160 (1867).
- C. flava** Aiton, Hort. Kew. 2: 169 (1789). — Sargent, Silva N. Am. 13: 155, t. 693 (1902).
- ?*Crataegus Oxyacantha* 4. *aurea* Weston, Bot. Univ. 1: 78 (1770).
- Crataegus glandulosa* Aiton, Hort. Kew. 2: 168 (1789).
- Mespilus Caroliniana* Lamarck, Encycl. Méth. Bot. 4: 442 [1798?].
- Crataegus Caroliniana* Persoon, Syn. Pl. 2: 36 (1807).
- Mespilus flava* Willdenow, Enum. Pl. Hort. Berol. 523 (1809).
- Crataegus turbinata* Pursh, Fl. Am. Sept. 2(Suppl.): 735 (1814).
- Mespilus turbinata* Sprengel, Syst. Veg. 2: 506 (1825).
- Crataegus lobata* Bosc ined. ex De Candolle, Prodr. 2: 628 (1825), non Bosc (1821).
- Crataegus flava* var. *lobata* Lindley in Bot. Reg. 23: t. 1932 (1837).
- Anthomeles glandulosa* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 141 (1847).
- Anthomeles flava* Roemer, op. cit. 142 (1847).
- Anthomeles turbinata* Roemer, op. cit. 142 (1847).
- Phaenopyrum Carolinianum* Roemer, op. cit. 152 (1847).
- Mespilus flexispina* K. Koch, Dendr. 1: 139 (1869), non Moench (1785).
- Ser. 19. APIIFOLIAE (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 367 (1940).
- Crataegus* §. VIII. *Apiifoliae* Loudon, Arb. Brit. 2: 825 (1838). — Eggleston in Gray, Man. Bot. N. U. S. ed. 7, 469 (1908).
- Crataegus* . . . *Microcarpae* . . . *Eumicrocarpae* Sargent, Silva N. Am. 13: 35 (1902), p. p.
- Crataegus* "gruppe" *Oxyacanthae* Zabel in Beissner et al., Handb. Laubh.-Ben. 175 (1903), p. p.
- C. Marshallii** Eggleston in Rhodora, 10: 79 (1908).
- Mespilus apiifolia* Marshall, Arb. Am. 89 (1785).
- Crataegus Oxyacantha* Walter, Fl. Carol. 147 (1788), non Linnaeus (1753).
- Crataegus Oxyacantha* β. *americana* Castiglioni, Viagg. St. Uniti, 2: 292 (1790).
- Crataegus apiifolia* Michaux, Fl. Bor.-Am. 1: 287 (1803). — Sargent, Silva N. Am. 4: 111, t. 188 (1892). — Non Medicus (1793).
- Crataegus apiifolia major* Loddiges, Cat. 45 (1836) ex Loudon, Arb. Brit. 2: 824 (1838), pro syn.
- Crataegus apiifolia* var. *minor* Loudon, op. cit. 225 (1838).
- Crataegus Oxyacantha* §. *apiifolia* Regel in Act. Hort. Petrop. 1: 119 (1871).
- Ser. 20. MICROCARPAE (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 367 (1940).
- Crataegus* §. IX. *Microcarpae* Loudon, Arb. Brit. 2: 825



**Crataegus** Ser. 20. MICROCARPAE (continued)

(1838), p. p. typ. — Eggleston in Gray, Man. Bot. N. U. S. ed. 7, 469 (1908).

*Crataegus* . . . *Microcarpae* . . . *Eumicrocarpae* Sargent, Silva, N. Am. 13: 35 (1902), p. p. typ.

*Crataegus* "gruppe" *Punctatae* Zabel in Beissner et al., Handb. Laubh.-Ben. 173, (1903), p. p.

**C. spathulata** Michaux, Fl. Bor.-Am. 1: 288 (1803). — Sargent, Silva N. Am. 4: 105, t. 185 (1892).

*Mespilus spathulata* Poirét, Encycl. Méth. Bot. Suppl. 4: 68 (1816).

*Crataegus microcarpa* Lindley in Bot. Reg. 22: t. 1846 (1836).

*Phaenopyrum spathulatum* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 155 (1847).

*Cotoneaster spathulata* Wenzig in Linnaea, 38: 201 (1874).

*Crataegus apiifolia* var. *flavanthera* Sargent in Ann. Rep. Missouri Bot. Gard. 22: 82 (1912).

*Crataegus spathulata* var. *flavantha* Sargent ex Palmer in Ann. Missouri Bot. Gard. 3: 380 (1916), sphalm. pro "*flavanthera*".

Ser. 21. CORDATAE (Beadle) Rehder, Man. Cult. Trees Shrubs, ed. 2, 367 (1940).

*Crataegus* §. IX. *Microcarpae* Loudon, Arb. Brit. 2: 825 (1838), p. p.

*Phalacro* Wenzig in Linnaea, 38: 164 (1874).

*Crataegus Microcarpae* . . . *Eumicrocarpae* Sargent, Silva N. Am. 13: 35 (1902), p. p.

*Crataegus* "gruppe" *Phalacro* Zabel in Beissner et al., Handb. Laubh.-Ben. 169 (1903), nom. subnud.

*Crataegus* II. *Cordatae* Beadle in Small, Fl. Southeast. U. S. 532 (1903).

**C. Phaenopyrum** (L. f.) Medicus, Gesch. Bot. 83 (1793).

— Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 321 fig. 2407 (1913). — Sargent, Man. Trees N. Am. ed. 2, 531, fig. 488 (1922).

*Mespilus Phaenopyrum* Linnaeus f., Suppl. Pl. 254 (1781).

*Crataegus acerifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 10 [1782?], nom. — C. F. Ludwig, Neu. Wilde Baumz. 15 (1783), nom. — Loddiges, Cat. 8 ex Moench, Verz. Ausl. Bäume Weissenst. 31 (1785).

*Mespilus acerifolia* Burgsdorf, Anleit. Sich. Erz. Holzart. 2: 147 (1787). — Spach, Hist. Nat. Vég. Phan. 2: 65 (1834).

*Crataegus populifolia* Walter, Fl. Carol. 147 (1788). — Pursh, Fl. Am. Sept. 1: 337 (1814).

*Crataegus cordata* Aiton, Hort. Kew. 2: 168 (1789). — Sargent, Silva N. Am. 4: 107, t. 186 (1892). — Non

*Mespilus cordata* Miller Gard. Dict. ed. 8, 1: sign. 8Z, no. 4 (1768), sphalm. "*cordato*" = *M. cordifolia* Miller, op. cit. 2: p. ult. [Corr.] (1768), p. p. quoad tab. 179 cit exclud. ram. flor.; cf. p. 242 syn. *M. cordato*.

*Mespilus cordata* (Ait.) Pott in Du Roi, Harbk. Baumz., ed. 2, 1: 615 (1795), exclud. syn. Miller (1768).

*Mespilus corallina* Desfontaines, Tabl. Écol. Bot. Mus. Hist. Nat. Paris, 174 (1804).

*Phaenopyrum cordatum* Roemer, Fam. Nat. Veg. Reg. Syn. 3: 157 (1847).

*Phaenopyrum acerifolium* Roemer, l. c. (1847).

*Phalacro cordatus* Wenzig in Linnaea, 38: 164 (1874).

?*Gymnomeles cordata* Oersted (1860) ex Zabel in Beissner et al., Handb. Laubh.-Ben. 169 (1903), pro syn.

**C. Phaenopyrum** f. *fastigiata* Slavin in Am. Midland Nat. 12: 365 (1931).

Ser. 22. BRAINERDIANAE (Eggleston), grad. nov.

*Crataegus* . . . *Anomala* Sargent in Rhodora, 3: 29

(1901). — Eggleston in Gray, Man. Bot. N. U. S. ed. 7, 477 (1908) "§ 16." — Sargent, Man. Trees N. Am. ed. 2, 400 (1922) "group". — Rehder, Man. Cult. Trees Shrubs, ed. 2, 367 (1940) "ser." — *C. anomala* exclud. *Crataegus* . . . *Brainerdianae* Eggleston in House, Annot. List Ferns Flow. Pl. New Y. 427 (1924).

**C. Brainerdi** Sargent in Rhodora, 3: 27 (1901).

**C. Brainerdi** var. *asperifolia* (Sarg.) Eggleston in Rhodora, 10: 82 (1908).

*Crataegus asperifolia* Sargent in Rhodora, 3: 31 (1901).

**C. Brainerdi** var. *Egglestoni* (Sarg.) B. L. Robinson in herb. ex Eggleston in Rhodora, 10: 82 (1908).

*Crataegus Egglestoni* Sargent in Rhodora, 3: 30 (1901). — Rickett in Addisonia, 22: 47, t. 728 (1945).

**C. Brainerdi** var. *scabrida* (Sarg.) Eggleston in Rhodora, 10: 82 (1908).

*Crataegus scabrida* Sargent in Rhodora, 3: 29 (1901).

Ser. 23. MACRACANTHAE (Loud.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 368 (1940).

*Crataegus* §. III. *Macracanthae* Loudon, Arb. Brit. 2: 819 (1838).

*Crataegus* . . . *Tomentosae* Sargent, Silva N. Am. 1: 34 (1902). — Schneider, Ill. Handb. Laubh. 1: 768, 776 (1906) "sect."

*Crataegus* "gruppe" *Sanguineae* Zabel in Beissner et al., Handb. Laubh.-Ben. 174 (1903), p. p.

*Crataegus* §. *Sanguineae* . . . *Tomentosae* (Sarg.) Vil-morin & Bois, Frutic. Vilmor. 111 (1904).

**C. Calpodendron** (Ehrh.) Medicus, Gesch. Bot. 83 (1793).

— Eggleston in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 302, fig. 2350 (1913); in New York St. Mus. Bull. 254: 429 (1924). — Palmer in Ann. Missouri Bot. Gard. 22: 564 (1935).

*Crataegus tomentosa* Du Roi, Harbk. Baumz. 1: 183 (1771). — Sargent, Silva N. Am. 4: 101, t. 183 (1892).

— Non Linnaeus (1753). — NOM. AMBIG. PROPOS.: cf. E. J. Palmer in Jour. Arnold Arb. 19: 287 (1938).

*Crataegus crus galli* sensu Miller, Dict. Gard. ed. 8, C. no. 5 (1768), non Linnaeus (1753).

*Crataegus pyrifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 10 [1782?], nom. — Ludwig, Neu. Wilde Baumz. 15 (1783). nom. — Aiton, Hort. Kew. 2: 168 (1789), exclud. syn.

*Crataegus leucophloeus* Moench, Verz. Ausl. Bäume Weissenst. 31, t. 2 (1785).

*Mespilus Calpodendron* Ehrhart, Beitr. Naturk. 2: 67 (1788).

*Mespilus latifolia* Lamarck, Encycl. Méth. Bot. 4: 444 (1797).

*Mespilus pyrifolia* Willdenow, Enum. Pl. Hort. Berol. 523 (1809), non Desfontaines (1809).

?*Crataegus latifolia* Persoon, Syn. Pl. 2: 37 (1807).

*Mespilus lutea* Poirét, Encycl. Méth. Bot. Suppl. 4: 72 (1816).

*Mespilus pyrifolia lutea* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: M. no. 2, t. 247, fasc. 42? [1827].

*Halmia tomentosa* et var. *β. pyrifolia*, *δ. leucophloea*, *ε. Calpodendron* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 135–136 (1847).

*Halmia lobata* Roemer, op. cit. 136 (1847).

*Mespilus leucophloeus* K. Koch, Dendr. 1: 136 (1869).

*Crataegus tomentosa* var. *pyrifolia* Gray, Man. Bot. N. U. S. ed. 5, 160 (1879).

*Crataegus tomentosa* var. *Chapmani* Beadle in Bot. Gaz. 25: 360 (1898).

*Crataegus Chapmanii* Ashe in Bot. Gaz. 28: 271 (1899).

- Crataegus Chapmani* var. *Plukenetii* Eggleston in Rhodora, **10**: 83 (1908).  
*Mespilus tomentosa* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 22 (1906), non Aiton (1789), nec Poirét [1809].
- C. Wilsonii** Sargent, Pl. Wilson. **1**: 180 (1912).
- C. succulenta** Schrader in Ind. Sem. Gotting. **1823**: ? (1823).—Link, Handb. Erkenn. Gewächs. **2**: 78 (1831).—Lange, Rev. Sp. Crat. **82** (1897).—Eggleston in New York St. Mus. Bull. **254**: 428 (1924).  
*Mespilus succulenta* Sweet, Hort. Brit. **76** (1827).  
 ?*Mespilus corallina* Tausch in Flora, **2**: 717 (1838), non Desfontaines (1804).  
 ?*Crataegus macracantha* Loudon, Arb. Brit. **2**: 819, fig. 572 (1838), p. p. quoad fig.  
 ?*Phaenopyrum corallinum* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 154 (1847).  
*Crataegus glandulosa* d. *succulenta* Lauche, Deutsche Dendr. ed. 2, **573** (1883).  
*Crataegus coccinea* var. *macracantha* sensu Sargent, Silva N. Am. **4**: 96, t. 181 (1892), non Dudley (1886).  
*Crataegus rotundifolia* var. *succulenta* Dippel, Handb. Laubh. **3**: 441 (1893).  
*Crataegus macracantha* var. *succulenta* Rehder in Bailey, Cycl. Am. Hort. [1]: 396 (1900).  
*Crataegus Halliana* Sargent in New York St. Mus. Bull. **105**: 73 (1906).  
*Oxyacantha succulenta* (Schrader) Lunell in Am. Midland Nat. **5**: 238 (1918).  
*Crataegus sonnenbergensis* Sargent in New York St. Mus. Bull. **167**: 120 (1922).
- C. macracantha** Loddiges, Cat. **46** (1836) ex Loudon, Arb. Brit. **2**: 819 (1838), fig. exclud.—Koehne, Deutsche Dendr. **236** (1893).—Sargent, Silva N. Am. **13**: 147, t. 689 (1902).  
 ?*Crataegus glandulosa* Moench, Verz. Ausl. Bäume Weissenst. **31** (1785).—Loddiges, Bot. Cab. **11**: t. 1012 (1825).  
*Crataegus glandulosa* β. *macracantha* Lindley in Bot. Reg. **22**: t. 1912 (1836).  
*Mespilus macracantha* Wenzig in Linnaea, **38**: 137 (1874).  
*Crataegus sanguinea* sensu Torrey & Gray, Fl. N. Am. **1**: 464 (1840), p. p.; non Pallas (1784).  
*Crataegus Douglasii* sensu Macoun, Cat. Canad. Pl. **1**: 522 (1883), non Lindley (1836).  
*Crataegus ferentaria* Sargent in Proc. Rochester Acad. Sci. **4**: 135 (1903).  
*Crataegus Beckiana* Sargent in New York St. Mus. Bull. **105**: 75 (1906).  
*Crataegus microsperma* Sargent in Ontario Nat. Sci. Bull. **4**: 82 (1908).  
*Crataegus ogdensburgensis* Sargent in New York St. Mus. Bull. **167**: 123 (1913).  
*Crataegus succulenta* var. *macracantha* Eggleston in New York St. Mus. Bull. **243-4**: 65 (1923) "*macrantha*" sphalm.; **254**: 428 (1924).
- C. prunifolia** [? *C. crus-galli* × *macracantha*] (Lam.) Persoon, Syn. Pl. **2**: 37 (1807).—Bosc in Nouv. Cours Compl. Agric. ed. **2**, **2**: 224 (1821).  
*Crataegus prunifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. **10** [1782?], nom.—Gordon & Dermer ex C. F. Ludwig, Neu. Wilde Baumz. **15** (1783), nom.  
*Mespilus prunifolia* Lamarck, Encycl. Méth. Bot. **4**: 43 (1797), non Marshall (1785).  
*Mespilus prunellifolia* Poirét, Encycl. Méth. Bot. Suppl. **4**: 72 (1816).  
*Mespilus ovalifolia* Hornemann, Hort. Reg. Bot. Hafn. Suppl. **52** (1819).
- Crataegus ovalifolia* (Horn.) De Candolle, Prodr. **2**: 627 (1825).  
*Crataegus crus-galli* δ. *ovalifolia* Torrey & Gray, Fl. N. Am. **1**: 464 (1840).  
*Crataegus crus-galli* e. *prunifolia* Torrey & Gray, l. c. (1840).—Sargent, Silva N. Am. **4**: 92 (1892).
- Ser. 24. DOUGLASIANAE Rehder, Man. Cult. Trees Shrubs, ed. 2, **368** (1940).  
*Crataegus* §. VI. *Douglasii* Loudon, Arb. Brit. **2**: 823 (1838).  
*Crataegus* . . . *Melanocarpae* Sargent, Silva N. Am. **13**: 32 (1902).  
*Crataegus* §. *Sanguineae* . . . *Douglasianae* Rehder ex Vilmorin & Bois, Frutic. Vilmor. **111**. (1904).  
*Crataegus* sect. *Douglasianae* Schneider, Ill. Handb. Laubh. **1**: 768, 775 (1906).
- C. Douglasii** Lindley in Bot. Reg. **21**: t. 1810 (1836).—Sargent, Silva N. Am. **4**: 86, t. 175 (1892).  
*Crataegus punctata* β. *brevispina* Douglas ex Hooker, Fl. Bor.-Am. **1**: 201 [1834].  
*Crataegus sanguinea* β. *Douglasii* Torrey & Gray, Fl. N. Am. **1**: 464 (1840).  
*Crataegus sanguinea* sensu Nuttall, N. Am. Sylva, **2**: 6 (1846), non Pallas (1784).  
*Anthomeles Douglasii* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 140 (1847).  
*Mespilus sanguinea* var. *Douglasii* Wenzig in Linnaea, **38**: 134 (1874).  
*Mespilus Douglasii* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 24 (1906).
- C. rivularis** Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 464 (1840).—Sargent, Man. Trees N. Am. **503**, fig. 416 (1905).  
*Mespilus rivularis* Wenzig in Linnaea, **38**: 137 (1874).  
*Crataegus Douglasii* var. *rivularis* Sargent in Gard. & For. **2**: 401 (1889); Silva N. Am. **4**: 87, t. 176 (1892).
- Ser. 25. SANGUINEAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, **368** (1940).  
*Crataegus* "gruppe" *Sanguineae* Zabel in Beissner et al., Handb. Laubh.-Ben. **174** (1903), nom. subnud., p. p.—Schneider, Ill. Handb. Laubh. **1**: 768, 771 (1906) "sect. S."  
*Crataegus* §. *Sanguineae* . . . *Eusanguineae* Rehder ex Vilmorin & Bois, Frutic. Vilmor. **111** (1904), nom. subnud.  
*Crataegus* sect. *Sanguineae* ser. *Nigrae* Poiarkova in Komarov, Fl. S. S. S. R. **9**: 429 (1939), p. p.
- C. chlorosarca** Maximowicz in Bull. Soc. Nat. Moscou, **54,1**: 20 (1879).—Schneider, Ill. Handb. Laubh. **1**: 773, fig. 437p-q, 438n-o (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 429, t. 28, fig. 5 (1939).  
*Crataegus sanguinea* Pallas, Fl. Ross. **1,1**: 25 (1784), p. p. quoad pl. kamtch.  
*Crataegus mandschurica* hort. ex Koehne, Deutsche Dendr. **237** (1893), pro syn.  
*Crataegus Korolkowi* hort. ex Dippel, Handb. Laubh. **3**: 450 (1893), pro syn.  
*Crataegus sanguinea* var. *Schröderi* Regel in Gartenfl. **29**: 219 (1880).  
*Crataegus Schroederi* Koehne ex Späth, Kat. **118**: 90 (1905).  
*Mespilus chlorosarca* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 24 (1906).
- C. chlorosarca pubescens** Wolf in Izv. Leningr. Liesn. Inst. **18**: 236 (Dendr. Sad. Liesn. Inst. **3**: 4) (1908).

**Crataegus** (continued)

- C. jozana** Schneider, Ill. Handb. Laubh. **1**: 774 (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 224 (1906).  
*?Crataegus atrocarpa* Wolf in Izv. Leningr. Liesn. Inst. **15**: 250, t. (1907).
- C. dsungarica** Zabel ex Lange, Rev. Sp. Crataeg. **43** (1897).—Schneider, Ill. Handb. Laubh. **1**: 774, fig. 437k-m, 438p-q (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 461 (1939).  
*Mespilus dsungarica* hort. ex Dieck, Haupt.-Kat. Zöschchen, **49** (1885), nom.
- C. sanguinea** Pallas, Fl. Ross. **1,1**: 25 (1784).—Schneider, Ill. Handb. Laubh. **1**: 771, fig. 437c-h, 438d-f (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 422, t. 28, fig. 4 (1939).  
*Mespilus purpurea* Poirer, Encycl. Méth. Bot. Suppl. **4**: 73 (1816).  
*Mespilus sanguinea* Spach, Hist. Nat. Vég. Phan. **2**: 62 (1834).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 23 (1906).  
*Crataegus sanguinea a. genuina* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 101 (Prim. Fl. Amur.) (1859).  
*Crataegus sanguinea a. typica* Regel in Act. Hort. Petrop. **1**: 115 (1871), exclud. syn. plur.
- C. sanguinea** var. *chlorocarpa* (K. Koch) Schneider, Ill. Handb. Laubh. **1**: 771 (1906).  
*Crataegus chlorocarpa* K. Koch in Ind. Sem. Hort. Berol. **1855**: 17 (1855).  
*Mespilus sanguinea* var. *chlorocarpa* Koch, Dendr. **1**: 152 (1869).  
*Crataegus sanguinea β. xanthocarpa* Regel in Act. Hort. Petrop. **1**: 116 (1871).  
*Mespilus sanguinea D. xanthocarpa* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 23 (1906).
- C. Lambertiana** (C. *?nigra* × *sanguinea*) Lange, Rev. Sp. Crataeg. **58**, fig. (1897).  
*Crataegus nigra* ? × *sanguinea* Koehne, Deutsche Dendr. **237** (1893).  
*Mespilus Lambertiana* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 44 (1906).
- C. Maximowiczii** Schneider, Ill. Handb. Laubh. **1**: 771, fig. 437a-b<sup>1</sup>, 438-c (1906).—Sargent, Pl. Wilson. **1**: 182 (1912).—Nakai, Fl. Sylv. Kor. **6**: 61, t. 28 (1916).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 428 (1939).  
*Crataegus sanguinea β. villosa* Ruprecht in Bull. Phys. Math. Acad. Sci. St. Pétersb. **15**: 131 (1857).—Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 101 (Prim. Fl. Amur.) (1859).  
*Crataegus altaica γ. villosa* Lange, Rev. Sp. Crataeg. **42**, t. 5 (1897).  
*Mespilus sanguinea β. villosa* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 23 (1906).
- C. dahurica** Koehne ex Schneider, Ill. Handb. Laubh. **1**: 773, fig. 437n-n<sup>1</sup>, 438g-i (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 423, t. 28, fig. 2 (1939).  
*?Mespilus purpurea* Bosc in Bosc & Baudrillard, Cult. Arb. (Encycl. Méth. Agric. **7**) (1821) "Am. sept.", nom.  
*Crataegus purpurea* Bosc ex De Candolle, Prodr. **2**: 628 (1825).—Watson, Dendr. Brit. **1**: t. 60 (1825).—Loudon, Arb. Brit. **2**: 822, fig. 582 (p. 857) (1838).  
*Crataegus sanguinea γ. glabra* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 101 (Prim. Fl. Amur.) (1859).  
*Crataegus chitaensis* Sargent, Pl. Wilson. **1**: 183 (1912).
- C. Wattiana** Hemsley & Lace in Jour. Linn. Soc. Lond. Bot. **28**: 323, t. 40 (1891).—Bean in Bot. Mag. **145**: t. 8818 (1919).  
*Crataegus Korolkowii* L. Henry in Rev. Hort. **1901**: 308, t. (1901).
- C. kansuensis** Wilson in Jour. Arnold Arb. **9**: 58 (1928).
- C. altaica** (Loud.) Lange, Rev. Sp. Crataeg. **42** (1897), exclud. var. *villosa*.—Schneider, Ill. Handb. Laubh. **1**: 773, fig. 437i, 438k-m (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 424, t. 28, fig. 3 (1939).  
*Crataegus sanguinea* var. *inermis* Karelin & Kirilov in Bull. Soc. Nat. Moscou, **14**: 328 (1841); **15**: 351 (1842).  
*Crataegus purpurea 2. altaica* Loudon, Arb. Brit. **2**: 825 (1838).  
*Crataegus sanguinea γ. incisa* Regel in Act. Hort. Petrop. **1**: 116 (1871).  
*Crataegus songorica* Regel in Delect. Sem. Hort. Petrop. **1876**: 36 [1877], nom.; non K. Koch (1853).  
*Crataegus pinnatifida* sensu Franchet in Ann. Sci. Nat. Bot. sér. **6**, **16**: 288 (1883), non Bunge (1831).  
*Crataegus altaica* var. *incisa* Schneider, Ill. Handb. Laubh. **1**: 773 (1906).  
*Mespilus sanguinea c. incisa* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 23 (1906).  
*Crataegus Wattiana* var. *incisa* Schneider, op. cit. **2**: 1005 (1912).
- Ser. 26. **NIGRAE** [Loud.] Poiarkova in Komarov, Fl. S. S. S. R. **9**: 429 (1939), "sect. *Sanguineae* ser. *N.*", p. p. typ.  
*Crataegus* §. v. *Nigrae* Loudon, Arb. Brit. **2**: 822 (1838).  
*Crataegus* "gruppe" *Melanocarpace* Zabel in Beissner et al., Handb. Laubh.-Ben. **178** (1903), nom. subnud.; non Sargent (1902).  
*Crataegus* sect. *Pentagynae* Schneider, Ill. Handb. Laubh. **1**: 768, 777 (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 430 (1939).
- C. nigra** Waldstein & Kitaibel, Pl. Rar. Hung. **1**: 62, t. 61 (1802).—Schneider, Ill. Handb. Laubh. **1**: 778, fig. 441g-l, 442d-f (1906).  
*Mespilus nigra* Willdenow, Enum. Pl. Hort. Berol. **524** (1809).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 37 (1906).  
*Crataegus melanocarpa* var. *polyphylla* Lange, Rev. Sp. Crataeg. **57** (1897).  
*Crataegus carpathica* Loddiges Cat. ex Loudon, Arb. Brit. **2**: 822 (1838), pro syn.
- C. pentagyna** Waldstein & Kitaibel ex Willdenow, Spec. Pl. **2,2**: 1006 (1799).—Schneider, Ill. Handb. Laubh. **1**: 777, fig. 441a-f, 442a-c (1906).—Poiarkova in Komarov, Fl. S. S. S. R. **9**: 430 (1939).  
*Crataegus melanocarpa* Bieberstein, Fl. Taur.-Cauc. **1**: 384 (1808).  
*Mespilus Oliveriana* Poirer, Encycl. Méth. Suppl. **4**: 72 [1816], non Dumont de Courset (1811).  
*Mespilus melanocarpa* Poirer, Encycl. Méth. Bot. Suppl. **4**: 68 (1816).—K. Koch, Dendr. **1**: 155 (1869), p. p.  
*?Crataegus Oliveriana* sensu De Candolle, Prodr. **2**: 630 (1825), non Bosc (1821).  
*Mespilus pentagyna* Sprengel, Syst. Pl. **2**: 507 (1825).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 38 (1906).  
*?Crataegus platyphylla* Lindley in Bot. Reg. **22**: t. 1874 (1836).—?Schneider, Ill. Handb. Laubh. **1**: 778, fig. 441m-n, 442m-o (1906) "*C. nigra* × *monogyna*."  
*Crataegus atrofusca* Steven ex Hohenacker in Bull. Soc. Nat. Moscou, **1838** [11]: 366 (Enum. Pl. Talysch, 130) (1838), nom.

- Crataegus Pallasii* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 89 (1842).
- Azarolus Oliveriana* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 133 (1847).
- Mespilus atrofusca* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 5: 400 (1862).
- Crataegus melanocarpa* γ. *atrofusca* Boissier, Fl. Or. 2: 662 (1872).
- Crataegus Oxyacantha* × *nigra* Focke, Pflanzenmischl. 146 (1881).
- Crataegus Oxyacantha* a. *pentagynus* Sanio in Verh. Bot. Ver. Brandenb. 32: 87 (1890).
- Crataegus colchica* Grossheim, Fl. Cauc. 4: 290 (1934).
- Crataegus pentagyna* var. *glabrata* Trautvetter ex Poiarkova in Komarov, Fl. S. S. S. R. 9: 430 (1939).
- C. pentagyna** var. *Oliveriana* (Dum. de Cours.) Rehder in Jour. Arnold Arb. 1: 263 (1920).
- Mespilus Oliveriana* Dumont de Courset, Bot. Cult. ed. 2, 5: 454 (1811).
- Crataegus Oliviriana* [sic] Bosc in Nouv. Cours Compl. Agric. ed. 2, 2: 222 (1821).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 38 (1906) "*Olivieriana*", pro syn.—Bean, Trees Shrubs Brit. Isl. 1: 431 (1914) "*Oliveriana*".
- Crataegus oxyacantha* var. *Oliveriana* Lindley in Bot. Reg. 33: t. 1933 (1837).—Loudon, Arb. Brit. 2: 831, fig. 606 (1838).
- C. hiemalis** [C. ?*crus-galli* × *pentagyna*] Lange in Bot. Tidsskr. 13: 20, t. 2 (1882); Rev. Sp. Crataeg. 76, t. 9 (1897).—Schneider, Ill. Handb. Laubh. 1: 778, fig. 441w-x, 442k-m (1906).
- Mespilus hiemalis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 44 (1906), pro syn.
- C. Celsiana** [C. *pentagyna* × ?] (Dum.-Cours.) Bosc in Nouv. Cours Compl. Agric. 2: 223 (1821).—Dippel, Handb. Laubh. 3: 452 (1893) "*C. sanguinea* × *pentagyna*?"—Schneider, Ill. Handb. Laubh. 1: 778, fig. 441q-r, 442g-i (1906).
- Mespilus Celsiana* Dumont de Courset, Bot. Cult. Suppl. 286 (1814).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 39 (1906).
- Mespilus pentagyna* γ. *Celsiana* Wenzig in Linnaea, 38: 151 (1874).
- Crataegus Oxyacantha* β. *Celsianus* Sanio in Verh. Bot. Ver. Brandenb. 32: 88 (1890).
- Ser. 27 OXYACANTHAE (Loud.) Poiarkova in Komarov, Fl. S. S. S. R. 9: 437 (1937) "sect. *Oxyacantha* ser. O."—Rehder, Man. Cult. Trees Shrubs, ed. 2, 370 (1940), sensu ampl.
- Crataegus* §. XI. *Oxyacanthae* Loudon, Arb. Brit. 2: 822 (1838).—Schneider, Ill. Handb. Laubh. 1: 768, 779 (1906) "sect."
- Crataegus* §. XI. *Heterophylla* [sic] Loudon, l. c. (1838).
- Crataegus* sect. *Oxyacantha* ser. *Ambiguae*, ser. *Monogynae*, ser. *Microphyllae* Poiarkova in Komarov, Fl. S. S. S. R. 9: 442, 454, 458 (1939).
- C. Oxyacantha** Linnaeus, Sp. Pl. 447 (1753).—Koch, Syn. Fl. Germ. Helv. ed. 2, 1: 258 (1843).—Schneider, Ill. Handb. Laubh. 1: 780, fig. 443a-g, 444d-e<sup>1</sup> (1906).
- Mespilus Oxyacantha* Crantz, Stirp. Austr. fasc. 2: 37 (1763); ed. 2, 1: 82 (1769).—Scopoli, Fl. Carniol. 1: 344 (1772).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 25 (1906).
- Oxyacantha vulgaris* Medicus, Philos. Bot. 1: 189 (1789).
- Mespilus laevigata* Lamarck, Encycl. Méth. Bot. 4: 439 [1798?].
- Crataegus oxyacanthoides* Thuillier, Fl. Paris, ed. 2, 245 (1799).
- Crataegus Oxyacantha* β. *vulgaris* De Candolle, Prodr. 2: 628 (1825).
- Crataegus laevigata* De Candolle, Prodr. 2: 630 (1825).
- Crataegus Oxyacantha* var. *genuina* Rouy & Camus, Fl. France, 7: 4 (1901).
- C. Oxyacantha** f. *rosea* (Willd.), grad. nov.
- Crataegus Oxyacantha* β. *rosea* Willdenow, Berlin. Baumz. 89 (1796).—Paxton in Paxton's Mag. Bot. 1: 198, t. (1834).
- Crataegus Oxyacantha splendens* Jäger, Ziergeh. 191 (1885).
- C. Oxyacantha** f. *punicea* (Loud.), grad. nov.
- Crataegus Oxyacantha* var. *punicea* Loddiges Cat. ex Loudon, Arb. Brit. 2: 832 (1838).
- Crataegus Oxyacantha splendens* Jäger, Ziergeh. 191 (1865).
- C. Oxyacantha** f. *Paulii* (Rehd.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 222 (1916).
- Crataegus Oxyacantha* fl. *coccineis plenis* Lemaire in Ill. Hort. 14: t. 536 (1867).
- Crataegus Oxyacantha coccinea* fl. *pleno* P[aul] in Florist & Pomol. 1867: 117, t. (1867).
- Crataegus Oxyacantha punicea plena* Carrière in Rev. Hort. 1872: 240 (1872).
- Crataegus monogyna* var. *Paulii* Rehder in Bailey, Cycl. Am. Hort. [1]: 396, fig. 578 (1900).
- Crataegus monogyna* var. *rubra plena* Hort. ex Rehder, l. c. (1900).
- Crataegus Oxyacantha* var. *vulgaris* f. *splendens* Schneider, Ill. Handb. Laubh. 1: 780 (1906), non Jäger (1865).
- Crataegus monogyna* f. *rubro-plena* Rehder ex Schneider, op. cit. 782 (1906).
- Crataegus Oxyacantha* var. *Paulii* Rehder in Bailey, Stand. Cycl. Hort. 2: 886, fig. 1103 (1914).
- Crataegus Oxyacantha* var. *coccinea plena* Bean, Trees Shrubs Brit. Isl. 1: 432 (1914).
- C. Oxyacantha** f. *plena* (West.), grad. nov.
- Crataegus Oxyacantha* var. *plena* Weston, Bot. Univ. 1: 78 (1770).—Willdenow, Berlin. Baumz. 89 (1796) "γ."
- Crataegus monogyna* γ. *plena* Willdenow, op. cit. ed. 2, 247 (1811).
- Crataegus Oxyacantha* var. *multiplex* Loudon, Arb. Brit. 2: 832, fig. 609 (p. 866) (1838).
- Crataegus monogyna* var. fl. *albo pleno* Rodigas in Fl. des Serr. 15: 21, t. 1509, fig. 2 (1862).
- Crataegus monogyna* var. *alba plena* Rehder in Bailey, Cycl. Am. Hort. [1]: 396 (1900).
- Crataegus monogyna* f. *albo-plena* Rehd. ex Schneider, Ill. Handb. Laubh. 1: 781 (1906).
- Crataegus Oxyacantha* var. *alba plena* Bean, Trees Shrubs Brit. Isl. 1: 432 (1914).
- C. Oxyacantha** f. *aurea* (Loud.) Schneider, Ill. Handb. Laubh. 1: 780 (1906).
- Crataegus Oxyacantha* var. *aurea* Loudon, Arb. Brit. 2: 831, fig. 610 (p. 866) (1838).
- Oxyacantha vulgaris* γ. *xanthocarpa* Roemer, Fam. Nat. Veg. Reg. Syn. 3: 110 (1847).
- Crataegus Oxyacantha* var. *xanthocarpa* Lange, Rev. Sp. Crataeg. 71 (1897).
- C. media** (C. *monogyna* × *Oxyacantha*) Bechstein in Diana, 1: 88 (1797).—Schneider, Ill. Handb. Laubh. 1: 781 (1906).
- Crataegus ovalis* Kitaibel in Linnaea, 32: 586 (1863).
- Crataegus intermedia* Schur, Enum. Pl. Transylv. 205 (1866).

**Crataegus media** (continued)

- Mespilus oxyacantha*  $\epsilon$ . *intermixta* Wenzig in Linnaea, **38**: 163 (1874).
- Crataegus intermixta* Beck, Fl. Nieder-Oester. 706 (1890).
- Mespilus oxyacantha*  $\times$  *monogyna* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 35 (1906).
- C. sorbifolia** [*C. Oxyacantha*  $\times$  ?] Lange in Bot. Tidsskr. **13**: 24 (1882).
- Crataegus Oxyacantha* d. *sorbifolia* Dippel, Handb. Laubh. **3**: 457 (1893).
- Mespilus sorbifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 21 (1906).
- C. monogyna** Jacquin, Fl. Austr. **3**: 50, t. 292 (1775). — Koch, Syn. Fl. Germ. Helv. ed. 2, **1**: 259 (1843). — Schneider, Ill. Handb. Laubh. **1**: 781, fig. 443i-o, 444h-l<sup>1</sup> (1906).
- Mespilus monogyna* Allioni, Fl. Pedem. **2**: 141 (1785). — Willdenow, Enum. Pl. Hort. Berol. 524 (1809). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 27 (1906).
- Mespilus Crataegus* Borkhausen, Vers. Forstbot. Beschreib. Holzart. 190 (1790).
- Crataegus apiifolia* Medicus, Gesch. Bot. 83 (1793).
- Mespilus elegans* Poirer, Encycl. Méth. Bot. **4**: 439 (1797).
- Crataegus Oxyacantha* var. *monogyna* Loudon, Arb. Brit. **2**: 834 (1838). — Sanio in Verh. Bot. Ver. Brandenb. **32**: 92 (1890).
- Crataegus monogyna* var. *typica* Beck, Fl. Nieder-Öster. 706 (1890).
- Crataegus monogyna* f. *genuina* Pospichal, Fl. Oester. Küstnl. **2**: 266 (1898).
- Mespilus monogyna* A.I.a.1. b. *genuina* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 29 (1906).
- C. monogyna** f. *pteridifolia* (Loud.), grad. nov.
- Crataegus Oxyacantha* var. *pteridifolia* Loudon, Arb. Brit. **2**: 831, fig. 604 (p. 865) (1838).
- Crataegus Oxyacantha* *filicifolia* Van Houtte in Fl. des Serr., **20**: 51, t. 2076 (1876).
- Crataegus monogyna* f. *filicifolia* Koehne, Deutsche Dendr. 238 (1893). — Lange, Rev. Sp. Crataeg. 39, fig. f (1897) "var."
- Crataegus monogyna* var. *pteridifolia* (Loud.) Rehder in Bailey, Cycl. Am. Hort. [1]: 396 (1900).
- Mespilus monogyna* m. *filicifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 29 (1906).
- C. monogyna** f. *stricta* [Loud.] Zabel in Beissner et al., Handb. Laubh.-Ben. 176 (1903) "(f.)"
- Crataegus Oxyacantha* var. *stricta* Loudon, Arb. Brit. **2**: 835 (1838).
- Mespilus monogyna* (f.) *stricta* K. Koch, Dendr. **1**: 160 (1869). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 29 (1906) "m[onstr.]"
- Crataegus monogyna* k. *fastigiata* Dippel, Handb. Laubh. **3**: 459 (1893).
- Crataegus Oxyacantha* *fastigiata* Hort. ex Dippel, Handb. Laubh. **3**: 459 (1893), pro syn.
- Crataegus monogyna* var. *stricta* (Loud.) Rehder in Bailey, Cycl. Am. Hort. [1]: 396 (1900).
- Crataegus Oxyacantha* var. *pyramidalis* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 396 (1900), pro syn.
- C. monogyna** f. *pendula* (Loud.), grad. nov.
- Crataegus Oxyacantha* var. *pendula* Loddiges Cat. ex Loudon, Arb. Brit. **2**: 832 (1838).
- Crataegus Oxyacantha* var. *reginae* hort. ex Loudon, l. c., fig. 556 (1838).
- Crataegus Reginae* hort. ex K. Koch, Dendr. **1**: 160 (1869), pro syn.
- Crataegus monogyna* i. *pendula* Dippel, Handb. Laubh. **3**: 459 (1893).
- C. monogyna** f. *semperflorens* (André) Schneider, Ill. Handb. Laubh. **1**: 782 (1906).
- Crataegus Oxyacantha* *semperflorens* André in Rev. Hort. **1883**: 140, fig. 26 (1883).
- Crataegus Bruanti* Carrière in Rev. Hort. **1884**: 422 (1884).
- Crataegus monogyna* m. *semperflorens* Dippel, Handb. Laubh. **3**: 460 (1893).
- C. monogyna** f. *biflora* (West.) Rehder in Jour. Arnold Arb. **1**: 263 (1920).
- Crataegus Oxyacantha* 7. *biflora* Weston, Bot. Univ. **1**: 79 (1770).
- Crataegus Oxyacantha* var. *praecox* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 15 (1783), nom. subnud. — Hort. ex Loudon, Arb. Brit. **2**: 833 (1838).
- Mespilus Oxyacantha* *praecox* Dumont de Courset, Bot. Cult. ed. 2, **5**: 453 (1811).
- Crataegus monogyna* var. *praecox* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1736 (1913), non Dippel (1893).
- C. monogyna** var. *Azarella* (Griseb.) Koehne, Deutsche Dendr. 238 (1893).
- Crataegus Azarella* Grisebach, Spicil. Fl. Rumel. **1**: 88 (1843).
- Mespilus monogyna* var. *Azarella* K. Koch, Dendr. **1**: 160 (1869). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 33 (1906).
- Crataegus Oxyacantha*  $\delta$ . *monogyna* c. *Azarella* Sanio in Verh. Bot. Ver. Brandenb. **32**: 93 (1890).
- C. heterophylla** Fluegge in Ann. Mus. Hist. Nat. Paris, **12**: 423, t. 38 (1808). — Schneider, Ill. Handb. Laubh. **1**: 779, fig. 443y-z, 444a-c (1906).
- Mespilus heterophylla* Poirer in Encycl. Méth. Bot. Suppl. **4**: 68 (1816).
- Mespilus monogyna*  $\mu$ . *heterophylla* Wenzig in Linnaea, **38**: 160 (1874). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 34 (1906).
- C. ambigua** C. A. Meyer ex Ind. Sem. Hort. Petrop. **1857**: 23 (1858); **1858**: 21 (1859); nom. — Becker in Bull. Soc. Nat. Moscou, **31**: 12, 34 (1858), nom. subnud. — Schneider, Ill. Handb. Laubh. **1**: 785, fig. 445a-d, 447a-c (1906), exclud. var. — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 443, t. 29, fig. 4 (1939).
- Crataegus sororia* C. A. Meyer ex Poiarkova, l. c. (1939), pro syn.
- C. microphylla** K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. n. ser., **1**: 288 (Weissd. & Mispel-Art. 68. 1854) (1853). — Schneider, Ill. Handb. Laubh. **1**: 785, fig. 445i-l, 447g-i (1906). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 458, t. 30, fig. 7 (1939).
- Crataegus Lagenaria* Fischer & Meyer ex Hohenacker in Bull. Soc. Nat. Moscou, **1838** [11]: 367 (1838) (Enum. Pl. Talysch, 131) (1838), nom. — Boissier, Fl. Or. **2**: 665 (1872).
- Crataegus monogyna* var. *dolichocarpa* Sommier & Levier in Act. Hort. Petrop. **16**: 134 (1900).
- Ser. 28. **AZAROLI** (Loud.) Rehder, Man. Cult. Trees Shrubs, 371 (1940).
- Crataegus* §. x. *Azaroli* Loudon, Arb. Brit. **2**: 826 (1838).
- Crataegus* "gruppe" *Orientales* Zabel in Beissner et al., Handb. Laubh.-Ben. 179 (1903), nom. subnud. —

- Schneider, Ill. Handb. Laubh. **1**: 768, 786 (1906) "sect."  
*Crataegus* sect. *Azaroli* ser. *Orientalis* Poiarkova in Komarov, Fl. S. S. S. R. **9**: 433 (1939).
- C. Azarolus** Linnaeus, Sp. Pl. 477 (1753). — Schneider, Ill. Handb. Laubh. **1**: 788, fig. 450e-g, 451d (1906), exclud. syn. *C. pontica*.  
*Crataegus maura* Linnaeus f., Suppl. Pl. 253 (1781).  
*Mespilus Azarolus* Allioni, Fl. Pedem. **2**: 141 (1785). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 40 (1906).  
*Azarolus crataegoides* Borkhausen, Thor.-Prakt. Handb. Forstbot. **2**: 1253 (1803).  
*Crataegus maroccana* Persoon, Syn. Pl. **2**: 37 [1806].  
*Mespilus Aronia* Willdenow, Enum. Pl. Hort. Berol. Suppl. 35 (1813).  
*Mespilus maura* Poirlet, Encycl. Méth. Bot. Suppl. **4**: 73 (1816).  
*Mespilus maura* γ. *M. maroccana* Poirlet, op. cit. 74 (1816).  
*Crataegus Aronia* Bosc ined. ex De Candolle, Prodr. **2**: 629 (1825).
- C. Azarolus** var. *sinaica* (Boiss.) Lange, Rev. Sp. Crataeg. 52 (1897) "β."  
*Crataegus maroccana* sensu Lindley in Bot. Reg. **22**: t. 1855 (1836), non Persoon [1806].  
*Crataegus sinaica* Boissier, Diagn. Pl. Or. sér. 2, **2**: 48 (1856). — Schneider, Ill. Handb. Laubh. **1**: 789, fig. 450a-d, 451v-x (1906).
- C. songorica** K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. n. ser., **1**: 287 (Weissd. & Mispel-Art. 67. 1854) (1853). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 449, t. 19, fig. 5 (1939), sub sect. *Oxyacantha* ser. *Ambiguae*.  
*Crataegus laciniata* Karelín & Kirilov in Bull. Soc. Nat. Moscou, **15**: 351 (1842), non Ucria (1796).  
*Crataegus Fischeri* Schneider, Ill. Handb. Laubh. **1**: 789, fig. 450l-n, 451y-z (1906). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 371 (1940).  
*Crataegus pinnatifida* var. *gharanica* O. Paulsen in Bot. Tidsskr. **27**: 141 (1906).
- C. orientalis** Pallas ex Bieberstein, Fl. Taur.-Cauc. **1**: 387 (1808). — Schneider, Ill. Handb. Laubh. **1**: 787, fig. 448d-k, 449e-g (1906). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 433, t. 29, fig. 1 (1939).  
*Mespilus odoratissima* Andrews, Bot. Repos. **9**: t. 590 (1810).  
*Mespilus orientalis* Poirlet, Encycl. Méth. Bot. Suppl. **4**: 72 (1816).  
*Crataegus tanacetifolia* β. *taurica* De Candolle, Prodr. **2**: 629 (1825).  
*Crataegus tanacetifolia* sensu Ledebour, Fl. Ross. **2,1**: 90 [1843], non Persoon (1807).  
*Crataegus odoratissima* Lindley in Bot. Reg. **22**: t. 1885 (1836).  
*Phaenopyrum odoratissimum* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 158 (1847).  
*Crataegus tanacetifolia* β. *orientalis* Regel in Act. Hort. Petrop. **1**: 114 (1871).  
*Crataegus orientalis* var. *a. typica* Schneider, Ill. Handb. Laubh. **1**: 787 (1906).  
*Mespilus tanacetifolia* β. *orientalis* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 42 (1906).  
*Mespilus tanacetifolia* β. *orientalis* i. *typica* Ascherson & Graebner, l. c. (1906), exclud. i. t. b. *Tournefortii*.
- C. orientalis** var. *sanguinea* (Schrad.) Loudon, Arb. Brit. **2**: 828, fig. 596 (p. 863) (1838). — Witte, Flora Afbeeld. Beschrijv. 29, t. 5 (1868).  
*Crataegus sanguinea* Schrader in Ind. Sem. Hort. Acad. Gotting. **1834**: 2 (1834); in Ann. Sci. Nat. Bot. sér. 2, **6**: 99 (1836); non Pallas (1784).  
*Crataegus orientalis* sensu Lindley in Bot. Reg. **22**: t. 1852 (1836), non Bieberstein (1808).  
*Crataegus Tournefortii* Grisebach, Spicil. Fl. Rumel. **1**: 90 (1843).  
*Crataegus orientalis* var. *Tournefortii* Schneider, Ill. Handb. Laubh. **1**: 787, fig. 448w-y, 449h-k (1906).  
*Mespilus tanacetifolia* β. *orientalis* b. *Tournefortii* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 42 (1906).
- C. Heldreichii** Boissier, Diagn. Pl. Or. sér. 2, **2**: 47 (1856). — Schneider, Ill. Handb. Laubh. **1**: 788, fig. 448t-v<sup>1</sup>, 451p-r (1906).  
*Crataegus tanacetifolia* γ. *Heldreichii* Regel in Act. Hort. Petrop. **1**: 114 (1871).  
*Mespilus Heldreichii* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 40 (1906).
- C. tanacetifolia** (Lam.) Persoon, Syn. Pl. **2**: 38 [1806]. — Boissier, Fl. Or. **2**: 660 (1872). — Schneider, Ill. Handb. Laubh. **1**: 786, fig. 448a-c, 449a-d (1906).  
*Mespilus tanacetifolia* Lamarck, Encycl. Méth. Bot. **4**: 440 (1797). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 41 (1906).  
*Crataegus tanacetifolia* α. *typica* Regel in Act. Hort. Petrop. **1**: 114 (1871).
- C. Dippeliana** [*C. ?punctata* × *tanacetifolia*] Lange in Bot. Tidsskr. **19**: 261 (1895). — Schneider, Ill. Handb. Laubh. **1**: 787, fig. 457n (1906).  
*Crataegus tanacetifolia* var. *Leeana* Loudon, Arb. Brit. **2**: 828, fig. 599 (p. 863) (1838).  
*Crataegus Celsiana* Dippel, Handb. Laubh. **3**: 452 (1893), non Bosc (1821).  
*Crataegus Leeana* Bean, Trees Shrubs Brit. Isl. **1**: 428 (1914).
- Ser. 29. PINNATIFIDAE (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 372 (1940).  
*Crataegus* (sect.) *Pinnatifidae* Zabel in Beissner et al., Handb. Laubh.-Ben. 178 (1903), nom. subnud. — Schneider, Ill. Handb. Laubh. **1**: 768, 769 (1906) "sect."
- C. pinnatifida** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 100 (Enum. Pl. Chin. Bor. 1833 (1835)). — Schneider, Ill. Handb. Laubh. **1**: 769, fig. 435a-d, 436e-d (1906). — Rehder in Jour. Arnold Arb. **13**: 303 (1932). — Poiarkova in Komarov, Fl. S. S. S. R. **9**: 421, t. 28, fig. 1 (1939).  
*Mespilus pinnatifida* K. Koch, Dendr. **1**: 152 (1869). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 42 (1906).  
*Crataegus Oxyacantha* γ. *pinnatifida* Regel in Act. Hort. Petrop. **1**: 118 (1871).  
*Mespilus pentagyna* β. *pinnatifida* Wenzig in Linnaea, **38**: 151 (1874).  
*?Crataegus pinnatifida* α. *songarica* Dippel, Handb. Laubh. **3**: 447 (1893).  
*Crataegus pinnatifida* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 769 (1906). — Nakai, Fl. Sylv. Kor. **6**: 58, t. 26, fig. b, c (1916).  
*Mespilus pinnatifida* β. *songarica* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 43 (1906).
- C. pinnatifida** var. *psilosa* Schneider, l. c. (1906). — Nakai, op. cit. 59, t. 26, fig. a (1916).  
*Crataegus coreanus* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 197 (1909).
- C. pinnatifida** var. *major* N. E. Brown in Gard. Chron. n. ser., **26**: 621, fig. 121 (1886). — Nakai, Fl. Sylv. Kor. **6**: 59, fig. 1, t. 27 (1916).

**Crataegus pinnatifida** var. **major** (continued)

*Crataegus Korolkowi* Regel ex Schneider, Ill. Handb. Laubh. 1: 770, fig. 435g-h, 436e-h (1906), non Henry (1901).

*Crataegus tatarica* Hort. ex Schneider, l. c. (1906), pro syn.

*Mespilus Korolkowi* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 43 (1906).

*Crataegus pinnatifida* var. *Korolkowi* Yabe, Enum. Pl. S. Manch. 63, t. 1, fig. 3 (1912).

**PIROCRATAEGUS** (*Crataegus* + *Pyrus*) Daniel in Rev. Gén. Bot. 27: 37, in nota (1915), nom. subnud. — Rehder, Man. Cult. Trees Shrubs, 376 (1927) "*Pyrocrataegus*".\*)

*Crataegus* + *Pyrus* Wille in Biol. Centralbl. 16: 126 (1896, Jan.); in Norsk Havetid. 12: 85, fig. 8-10 (1896, June).

**P. Willei** Daniel, l. c. (1915). — Swingle in Jour. Heredity, 18: 83 (1927). — Rehder, Man. Cult. Trees Shrubs, 376 (1927).

*Crataegus Oxyacantha* + *Pyrus* [communis] Wille in Biol. Centralbl. 16: 126 (1896); in Norsk Havetid. 12: 85, fig. 8-10 (1896); fig. 8 et 9 est  $\times$  *Sorbopyrus Pollveria* et fig. 10 *Crataegus monogyna*.

*Crataegus monogyna* + *Pyrus Pollveria*? Holmboe in Gartenfl. 54: 30, fig. 4-7 (1905).

**PYRACOMELES** (*Osteomeles*  $\times$  *Pyracantha*) Rehder [in litt.] ex Guillaumin in Bull. Soc. Nat. Hort. France, sér. 6, 4: 198 (1937).**P. Vilmorinii** (*O. subrotunda*  $\times$  *P. crenato-serrata*) Rehder ex Guillaumin in op. cit. sér. 6, 4: 198, fig. 10 (1937, June).

*Pyracomeles Vilmorini* Anon. in Rev. Hort. n. ser. 25: 489 (1937, May 15), nom.

**OSTEOMELES** Lindley in Trans. Linn. Soc. Lond. 13: 98, t. 8 (1821). — Benth & Hooker f., Gen. Pl. 1: 628 (1865).

Typus: *O. anthyllidifolia* Lindl.

**O. Schwerinae** Schneider, Ill. Handb. Laubh. 1: 762, fig. 430m, 431o-r (1906); Repert. Sp. Nov. Reg. Veg. 3: 222 (1906). — Wilson in Sargent, Pl. Wilson. 1: 184 (1912).

*Osteomeles anthyllidifolia* sensu Franchet, Pl. Delavay. 227 (1890). — Hooker f. in Bot. Mag. 120: t. 7354 (1894). — Non Lindley (1821).

**O. Schwerinae** var. **microphylla** Rehder & Wilson in Sargent, Pl. Wilson. 3: 431 (1917).

*Osteomeles Schwerinae* c. *multijuga* Koidzumi, Fl. Symb. Or.-As. 52 (1930).

**O. subrotunda** K. Koch in Ann. Mus. Bot. Lugd.-Bat. 1: 250 (1864). — Hemsley in Hooker's Icon. Pl. 27: t. 2644 (1900).

*Osteomeles anthyllidifolia* sensu Siebold & Zuccarini in Abh. Phys.-Math. Cl. Acad. Wiss. Muench. 4,2: 131 (Fl. Jap. Fam. Nat. 1: 23) (1845), non Lindley (1821).

*Osteomeles anthyllidifolia* var. *subrotunda* Masumune in Ann. Rep. Taihoku Bot. Gard. 2: 124 (1932).

**O. anthyllidifolia** Lindley in Trans. Linn. Soc. Lond. 13: 98, t. 8 (1821).

\*) The plant described by Wille seems to have consisted of *Sorbopyrus auricularis* (Knoop) Schneid. grafted on *Crataegus monogyna* Jacq. Therefore the name *Pirocrataegus* should be rejected and, if cited at all, placed in the synonymy of *Sorbopyrus auricularis*; so far no hybrids, neither sexual nor graft hybrids, are known between *Crataegus* and *Pyrus*.

**SORBUS** Linnaeus, Sp. Pl. 477 (1753); Gen. Pl. ed. 5, 213, no. 548 (1754). Koch, Syn. Fl. Germ. Helv. 236 (1837). — Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 1-147, fig. (Monog. Sorbus) (1901).

*Pyrenia* [Claireville], Man. Herb. Suisse, 161 (1811).

*Pyrus* c. *Sorbus* S. F. Gray, Nat. Arr. Brit. Pl. 2: 563 (1821). — Focke in Nat. Pflanzenfam. III. 3: 24 (1888) "*Pyrus* subgen. *S*."

*Pyrus* Benth & Hooker f., Gen. Pl. 1: 626 (1865), p. p. LECTOTYPUS: *S. aucuparia* L.

**sect. I. SORBUS** Persoon, Syn. Pl. 2: 38 [1806], p. p.

*Mespilus* sect. *Sorbus* Scopoli, Fl. Carniol. ed. 2, 1: 346 (1772).

*Aucuparia* Medicus, Philos. Bot. 1: 138 (1789).

*Sorbus* sect. *Sorbaria* S. Schauer in Uebers. Arbeit. Schles. Ges. Vaterl. Kult. 1847: 293 (1848).

*Sorbus* (sect.) *Aucuparia* K. Koch, Dendr. 1: 188 (1869).

*Pyrus* b. *Sorbus* a. *Aucuparia* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 86 (1906).

*Pyrus* subgen. *Eu-Sorbus* Komarov, Fl. S. S. S. R. 9: 372 (1939), p. p.

**S. americana** Marshall, Arbust. Am. 145 (1785). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 287, fig. 2318 (1913). — Sargent, Man. Trees N. Am. ed. 2, 390, fig. 347 (1922). — G. N. Jones in Jour. Arnold Arb. 20: 11 (1939).

*Sorbus Aucuparia* var. *a.* Michaux, Fl. Bor.-Am. 1: 290 (1803).

*Sorbus micrantha* Dumont de Corset, Bot. Cult. ed. 2, 5: 464 (1811).

*Sorbus microcarpa* Pursh, Fl. Am. Sept. 1: 341 (1814).

*Pyrus microcarpa* De Candolle, Prodr. 2: 636 (1825).

*Sorbus riparia* Rafinesque, New Fl. N. Am. 3: 15 [1838].

*Pyrus americana*  $\beta$ . *microcarpa* Torrey & Gray, Fl. N. Am. 1: 472 (1843).

*Sorbus americana* Marsh. var. *microcarpa* Wenzig in Linnaea, 38: 73 (1874).

*Pyrus americana* sensu Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 164 (1889). — Sargent, Silva N. Am. 4: 79, t. 171, 172 (1892). — Non De Candolle (1825).

*Aucuparia americana* Nieuwland in Am. Midland Nat. 4: 175 (1915).

**S. splendida** (*S. americana*  $\times$  *aucuparia*) Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 43, fig. 6 (Monog. Sorbus) (1901).**S. scopulina** Greene in Pittonia, 4: 130 (1900). — Kirkwood, N. Rocky Mtn. Trees Shrubs, 197, fig. 40, t. 25 (1930). — G. N. Jones in Jour. Arnold Arb. 20: 16 (1939).

*Sorbus sambucifolia* sensu Rydberg in Contrib. U. S. Nat. Herb. 3: 498 (1896), non Roemer (1847).

*Pyrus sitchensis* Piper in Contrib. U. S. Nat. Herb. 11: 347 (1906), p. p.

*Sorbus angustifolia* Rydberg, Fl. Rocky Mts. 448 (1917).

*Sorbus sitchensis* var. *densa* Jepson, Man. Fl. Pl. Calif. 508 (1925).

*Pyrus scopulina* Longyear, Trees Shrubs Rocky Mts. 152 (1927).

*Sorbus dumosa* sensu Raup in Jour. Arnold Arb. 17: 264 (1936), non Greene (1900).

**S. Andersoni** G. N. Jones in Rhodora, 47: 220 (1945).

*Sorbus alaskana* G. N. Jones in Jour. Arnold Arb. 20: 24, t. 226 (1939), non Hollick (1930), pl. fossil.

**S. dumosa** Greene in Pittonia, 4: 129 (1900). — G. N. Jones in Jour. Arnold Arb. 20: 10 (1939).



- S. commixta** Hedlund in Svenska Vetensk.-akad. Handl. **35**, 1: 38 (Monog. Sorbus) (1901, July).—Nakai, Fl. Sylv. Kor. **6**: 23, t. 3 (1916).  
*Sorbus aucuparia* var. *japonica* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 173 (in Mém. Biol. **9**: 170. 1873, Sept.) (1873, Nov.).  
*Pyrus aucuparia* var. *japonica* Maxim. ex Franchet & Savatier, Enum. Pl. Jap. **1**: 140 [1873], pro syn.  
*Sorbus japonica* Koehne in Gartenfl. **50**: 408 (1901, Aug.); in Mitt. Deutsch. Dendr. Ges. **1906**(15): 57 [1907?]; non Hedlund (1901).  
*Sorbus commixta* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 678 (1906).  
*Pyrus commixta* Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 90 (1906).
- S. reflexipetala** Koehne in Mitt. Deutsch. Dendr. Ges. **1906** (15): 58 [1907?].
- S. serotina** Koehne in op. cit. 59 [1907?].
- S. decora** (Sarg.) Schneider in Bull. Herb. Boissier, sér. 2, **6**: 313 (1906); Ill. Handb. Laubh. **1**: 676, fig. 371f-g, 372a-b (1906).—G. N. Jones in Jour. Arnold Arb. **20**: 25 (1939).  
*Sorbus Aucuparia* var. *β*. Michaux, Fl. Bor.-Am. **1**: 290 (1803).  
*Sorbus americana* Pursh, Fl. Am. Sept. **1**: 341 (1814), non Marshall (1785).  
*Pyrus americana* De Candolle, Prodr. **6**: 637 (1825).  
*Pyrus sambucifolia* sensu Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 164 (1889).—Sargent, Silva N. Am. **4**: 81, t. 173, 174 (1892).—Non Chamisso & Schlechtendal (1827).  
*Sorbus sambucifolia* sensu Dippel, Handb. Laubh. **3**: 368, fig. 191 (1893), non Roemer (1847).  
*Pyrus americana* var. *decora* Sargent, Silva N. Am. **14**: 101 (1902).  
*Sorbus americana* var. *decora* Sargent, Man. Trees N. Am. **35**, fig. 281 (1905).  
*Sorbus scopulina* sensu Hough, Handb. Trees U. S. Can. **24**, fig. 280, 281 (1907).—Britton & Brown, Ill. Fl. N. St. Can. ed. 2, **2**: 287, fig. 2319 (1913).—Non Greene (1900).  
*Pyrus sitchensis* sensu Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 458 (1908), non Piper (1901).  
*Aucuparia subvestita* Nieuwland in Am. Midland Nat. **4**: 175 (1915).  
*Pyrus dumosa* sensu Fernald in Rhodora, **23**: 266 (1921), non *S. dumosa* Greene (1900).  
*Sorbus dumosa* sensu House in New York St. Mus. Bull. **254**: 409 (1924), non Greene (1900).  
*Sorbus americana sitchensis* Sudworth, Check List For. Trees U. S. [ed. 2] **133** (1927), non *S. s.* Roemer (1847).  
*Pyrus decora* Hyland in Rhodora, **45**: 28 (1943).  
*Sorbus subvestita* sensu Rosendahl & Butters, Trees Shrubs Minn. **195**, fig. (1928), non Greene (1900).  
*Pyrus subvestita* Farwell in Am. Midland Nat. **12**: 60, 122 (1930), non *Sorbus s.* Greene (1900).
- S. cascadiensis** G. N. Jones in Univ. Washington Publ. Biol. **7**: 174 (1938); in Jour. Arnold Arb. **20**: 31 (1939).  
*Sorbus sambucifolia* sensu Howell, Fl. N. W. Am. **164** (1898), non Roemer (1847).  
*Pyrus sitchensis* Piper in Mazama, **2**: 107 (1901), p. p.  
*Sorbus sitchensis* sensu Benson, Contrib. Dudley Herb. Stanford Univ. **2**: 101 (1930), non Roemer (1847).  
*Sorbus dumosa* sensu G. N. Jones, Univ. Washington Publ. Biol. **5**: 180 (1936), non Greene (1900).
- S. sambucifolia** (Cham. & Schlechtend.) Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 139 (1847).—Hedlund in Svenska Vetensk.-akad. Handl. **35**: 37 (Monog. Sorbus) (1901).—G. N. Jones in Jour. Arnold Arb. **20**: 42 (1939).  
*Pyrus sambucifolia* Chamisso & Schlechtendal in Linnaea, **2**: 36 (1827).
- S. rufo-ferruginea** (Schneid.) Schneider, Ill. Hand. Laubh. **2**: 996 (1912).—Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 50 (1913).  
*Sorbus commixta* var. *rufo-ferruginea* (Shirai in herb.) Schneider, op. cit. **1**: 678, fig. 371 (1906).  
*Pyrus americana* var. *rufo-ferruginea* Shirai ex Koidzumi, l. c. (1913), pro syn.  
*Sorbus commixta* f. *rufo-hirtella* Nakai, in Bot. Mag. Tokyo, **32**: 105 (1918).
- S. sitchensis** Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 139 (1847).—Hedlund in Svenska Vetensk.-akad. Handl. **35**: 41 (Monog. Sorbus) (1901), p. p., exclud. fig. 4. —G. N. Jones in Jour. Arnold Arb. **20**: 36 (1939).  
*Pyrus sambucifolia* sensu Bongard in Mém. Acad. Sci. St. Pétersb. **6**, 2: 134 (Obs. Vég. Sitcha, 16. 1832) (1833).—Henshaw, Mtn. Wild Flow. N. Am. **336**, t. 91 (1906).—Non Chamisso & Schlechtendal (1827).  
*Sorbus occidentalis* sensu Coville in Contrib. U. S. Nat. Herb. **3**: 339 (1895), non Greene (1900).  
*Sorbus Tilingii* Gandoger in Bull. Soc. Bot. France, **65**: 25 (1918), p. p.
- S. occidentalis** (S. Wats.) Greene in Pittonia, **4**: 131 (1900).—G. N. Jones in Jour. Arnold Arb. **20**: 39 (1939).  
*Sorbus pumilus* Rafinesque, Med. Fl. **2**: 265 (1830), nom. subnud.—Hedlund in Svenska Vetensk.-akad. Handl. **35**: 39, fig. 3 (Monog. Sorbus) (1901) "*pumila*."—Schneider, Ill. Handb. Laubh. **1**: 669, fig. 366g-h (1906), exclud. syn. *S. sitchensis*.  
*Sorbus humifusa* Raf. ex S. Watson, Bibl. Index N. Am. Bot. **290** (1878), nom.; sphalm. pro "*pumilus*."  
*Pyrus occidentalis* S. Watson in Proc. Am. Acad. Arts Sci. **23**: 263 (1888).  
*Sorbus sambucifolia* var. *Grayi* Wenzig in Bot. Centralbl. **35**: 342 (1888).  
*Pyrus sambucifolia* var. *pumila* Sargent, Silva N. Am. **4**: 82 (1892).  
*Sorbus sambucifolia* var. *pumila* Koehne, Deutsche Dendr. **247** (1893).
- S. tianshanica** Ruprecht in Mém. Acad. Sci. St. Pétersb., sér. 7, **14**: 46 (1869).—Schneider, Ill. Handb. Laubh. **1**: 668, fig. 366c-d, 367d (1906) "*thianshanica*."—Komarov, Fl. S. S. R. **9**: 384, t. 24, fig. 2 (1939) "*tianshanica*."  
*Pyrus tianshanica* Franchet in Ann. Sci. Nat. Bot. sér. 6, **16**: 287 (1883).
- S. tianshanica** var. *pulcherrima* E. Wolf in Mitteil. Deutsch. Dendr. Ges. **1922**(32): 212 (1922) "*thianschanica*."
- S. Matsumurana** (Mak.) Koehne in Gartenfl. **50**: 407 (1901).—Schneider, Ill. Handb. Laubh. **1**: 669, fig. 366e-f, 367c (1906).  
*Pyrus Matsumurana* Makino in Bot. Mag. Tokyo, **11**: 71 (1897).
- S. Harrowiana** (Balf. f. & W. W. Sm.) Rehder in Jour. Arnold Arb. **1**: 263 (1920).  
*Pyrus* (Sorbus) *Harrowianus* Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. **10**: 61 (1917).

**Sorbus** (continued)

- S. aucuparia** Linnaeus, Sp. Pl. 477 (1753).—Schneider, Ill. Handb. Laubh. 1: 674, fig. 369d-l, 371c-e (1906).  
*Mespilus aucuparia* Scopoli, Fl. Carniol. 1: 346 (1772).—Allioni, Fl. Pedem. 2: 142 (1785).  
*Pyrus aucuparia* Gaertner, Fruct. Sem. 2: 45, t. 87 (1791).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 86 (1906).  
*Aucuparia silvestris* Medicus, Gesch. Bot. 86 (1793).  
*Pyrenia aucuparia* [Claireville], Man. Herb. Suisse, 162 (1811).  
*Sorbus aucuparia* var. *typica* Schneider, Ill. Handb. Laubh. 1: 673 (1906).  
*Pyrus aucuparia* B. 1. a. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 87 (1906).
- S. aucuparia** f. **Dirkeni** Schneider, Ill. Handb. Laubh. 1: 674 (1906).  
*Sorbus Aucuparia* fol. *aureis* Carrière in Rev. Hort. 1886: 399 (1886).  
*Sorbus aucuparia* var. *Dirkeni aurea* ex Schneider, l. c. (1906), pro syn.  
*Pyrus Aucuparia* var. *Dirkeni aurea* [Bean in] Kew Handlist Trees Shrubs, ed. 3, 136 (1925).
- S. aucuparia** f. **asplenifolia** (K. Koch), grad. nov.  
*Sorbus aucuparia* β. *asplenifolia* Hort. ex K. Koch, Hort. Dendr. 178 (1853), nom.; Dendr. 1: 189 (1869) "*S. a. asplenifolia*."  
*Sorbus aucuparia* (f.) *laciniata* Hort. ex Zabel in Beissner, et al., Handb. Laubh.-Ben. 194 (1903), nom.; non Hartman (1832).—Cockerell in Am. Jour. Sci. 29: 76 (1910) "var."  
*Pyrus aucuparia* lus. *asplenifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 88 (1906).
- S. aucuparia** var. **integerrima** Hartman, Handb. Scand. Fl. ed. 2, 136 (1832).—Lange, Haandb. Dansk. Fl. ed. 2, 370 (1864).—Koehne in Gartenfl. 50: 411 (1901); in Mitt. Deutsch. Dendr. Ges. 1906(15): 55 [1907].—Schneider, Ill. Handb. Laubh. 1: 674, fig. 370b (1906).  
*Pyrus aucuparia* B. 1. a. 2. *integerrima* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 87 (1906).
- S. aucuparia** f. **xanthocarpa** (Hartw. & Rümpl.), grad. nov.  
*Pyrus aucuparia* var. 2. *fructu luteo* Loudon, Arb. Brit. 2: 916 (1838).  
*Sorbus aucuparia* var. *xanthocarpa* Hartwig & Rümpler, Bäume Sträuch. 528 (1875).  
*Sorbus aucuparia* var. *Fifeana* hort. ex Hartwig, Ill. Gehölzb. 357 (1892).—Schneider, Ill. Handb. Laubh. 1: 674 (1906).  
*Pyrus aucuparia* B. 1. b. 1. *Fifeana* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 88 (1906).
- S. aucuparia** f. **fastigiata** (Loud.), grad. nov.  
*Pyrus aucuparia* var. 4. *fastigiata* Loudon, Arb. Brit. 1: 916 (1838).  
*Sorbus aucuparia* γ. *fastigiata* K. Koch, Hort. Dendr. 178 (1853).  
*Pyrus aucuparia* lus. *pyramidalis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 88 (1906).
- S. aucuparia** f. **pendula** [Kirchn.] K. Koch, Dendr. 1: 190 (1869) "(f.)"  
*Sorbus aucuparia* η. *pendula* K. Koch, Hort. Dendr. 178 (1853), nom.—Kirchner in Petzold & Kirchner, Arb. Muscav. 293 (1864).—Schneider, Ill. Handb. Laubh. 1: 674 (1906) "var."
- Pyrus aucuparia* 2b. *pendula* Kuntze, Taschen-Fl. Leipzig, 273 (1867).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 88 (1906) "monstr."
- S. aucuparia** var. **edulis** Dieck, Nachtr. r. Haupt-Verz. Zösch, 26 (1887).  
*Sorbus Aucuparia* var. *dulcis* Kraetzel, Süsse Eberesche, 23 pp. 1 t. (1890).  
*Sorbus aucuparia* a. *moravica* Dippel, Handb. Laubh. 3: 367 (1893).—Zengerling [Cat.] 1889. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 194 (1903) "(f.)"—Schneider, Ill. Handb. Laubh. 1: 674, fig. 369l (1906).  
*Pyrus aucuparia* a. *dulcis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 87 (1906).
- S. aucuparia** var. **rossica** Späth ex Koehne in Gartenfl. 50: 412 (1901).  
*Pyrus aucuparia* π. *Rossica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 87 (1906).  
*Sorbus aucuparia* *rossica major* Späth, Cat. 1903 ex Cat. 167: 46 (1915).—Ascherson & Graebner, l. c. (1906), pro syn.
- S. aucuparia** f. **Beissneri** Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 222 [1916].  
*Sorbus Aucuparia* var. *dulcis laciniata* Beissner in Gartenwelt, 3: 267, t. (1899), non var. *laciniata* Hartmann (1832).
- S. amurensis** Koehne in Repert. Sp. Nov. Reg. Veg. 10: 513 (1912).—Nakai, Fl. Sylv. Kor. 6: 22, fig. 2, t. 2 (1916).—Komarov, Fl. S. S. S. R. 9: 381, t. 23, fig. 1 (1939).
- S. pohnashanensis** (Hance) Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 33 (Monog. Sorbus) (1901).—Rehder in Mitt. Deutsch. Dendr. Ges. 1901(10): 116 (1901, Dec).—Koehne in Sargent, Pl. Wilson. 1: 481 (1913).—Chow, Fam. Trees Hopei, 186, fig. 68 (1934).  
*Pyrus* (*Sorbus*) *pohnashanensis* Hance in Jour. Bot. 13: 132 (1875).
- S. wilsoniana** Schneider in Bull. Herb. Boissier, sér. 2, 6: 312 (1906); Ill. Handb. Laubh. 1: 671, fig. 367k, 368p-q (1906).—Koehne in Sargent, Pl. Wilson. 1: 458 (1913).  
*Pyrus wilsoniana* Cardot in Bull. Mus. Hist. Nat. Paris, 24: 80 (1918).
- S. esserteauiana** Koehne in Sargent, Pl. Wilson. 1: 459 (1913).  
*Sorbus Conradinae* Koehne in op. cit. 460 (1913).  
*Pyrus Conradinae* Hillier ex Bean, Trees Shrubs Brit. Isl. 3: 320 [1933].  
*Pyrus Esserteauiana* Hillier ex Bean, op. cit. 322 [1933].
- S. sargentiana** Koehne in op. cit. 461 (1913).  
*Pyrus Sargentiana* Bean, Trees Shrubs Brit. Isl. 3: 327 [1933].
- S. sargentiana** var. **warleyensis** Marquand in Gard. Chron. ser. 3, 94: 177, fig. 79 (1933).
- S. gracilis** (Sieb. & Zucc.) K. Koch, Hort. Dendr. 178 (1853).—Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 159 (1874).—Schneider, Ill. Handb. Laubh. 1: 678, fig. 373a-b (1906).  
*Pyrus gracilis* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4,2: 131 (Fl. Jap. Fam. Nat. 1: 23) (1845).  
*Aria gracilis* Koehne, Gatt. Pomac. 17 (1890).
- S. discolor** (Maxim.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 173 (in Mém. Biol. 9: 170. 1873, Sept.)

- (1873, Nov.).—Hedlund in Svenska Vetensk.-akad. Handl. **35**: 37 (Monog. Sorbus) (1901).—Koehne in Sargent, Pl. Wilson. **1**: 481 (1913).
- Pyrus discolor* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 103 (Prim. Fl. Amur.) (1859).
- Sorbus pekinensis* Koehne in Gartenfl. **50**: 406 (1901); in Mitt. Deutsch. Dendr. Ges. **1906**(15): 56 [1907].
- Pyrus pekinensis* Cardot in Bull. Mus. Hist. Nat. Paris, **24**: 79 (1918).
- S. arnoldiana** (*S. aucuparia* × *discolor*) Rehder in Jour. Arnold Arb. **2**: 42 (1920).
- S. hupehensis** Schneider in Bull. Herb. Boissier, sér. 2, **6**: 316 (1906); Ill. Handb. Laubh. **1**: 680, fig. 374r, 375n (1906).—Koehne in Sargent, Pl. Wilson. **1**: 467 (1913).
- Pyrus mesogea* Cardot in Bull. Mus. Hist. Nat. Paris, **24**: 81 (1918).
- Pyrus hupehensis* Bean, Trees Shrubs Brit. Isl. **3**: 323 (1933).
- S. hupehensis** var. *aperta* (Koehne) Schneider in Bot. Gaz. **63**: 403 (1917).
- Sorbus aperta* Koehne in Sargent, Pl. Wilson. **1**: 465 (1913).
- S. hupehensis** var. *obtusa* Schneider in Bot. Gaz. **63**: 403 (1917).
- S. Rehderiana** Koehne in Sargent, Pl. Wilson. **1**: 404 (1913).
- Pyrus Rehderiana* Cardot in Bull. Mus. Hist. Nat. Paris, **24**: 81 (1918).
- S. Rehderiana** var. *cupreonitens* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **62**: 223 (Pl. Nov. Sin. Forts. **36**: 6) (1925).
- S. Helenae** Koehne in Sargent, Pl. Wilson. **1**: 462 (1913).
- Sorbus Helenae* f. *subglabra* Koehne, l. c. (1913).
- S. Helenae** f. *rufidula* Koehne, l. c. (1913).
- S. Vilmorini** Schneider in Bull. Herb. Boissier, sér. 2, **6**: 317 (1906); Ill. Handb. Laubh. **1**: 682, fig. 374s, 375q-r (1906), exclud. var.—Koehne in Sargent, Pl. Wilson. **1**: 483 (1913).
- Cormus foliolosa* (Wall.) Franchet ex Vilmorin & Bois, Frutic. Vilmor. **103**, 2 fig. (1904), quoad pl. cult.; non *Pyrus* f. Wallich (1831).
- Sorbus Vilmorini* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 683 (1906).
- Pyrus Vilmorini* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 90 (1906).
- S. microphylla** Wenzig in Linnaea, **38**: 76 (1874).—Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 159 (1874).—Schneider, Ill. Handb. Laubh. **1**: 682, fig. 374m-n (1906).
- Pyrus microphylla* Wallich, Num. List, no. 676 (1829), nom.—Hooker f., Fl. Brit. Ind. **2**: 376 (1878).
- S. filipes** Handel-Mazzetti, Symb. Sin. **7**: 472, fig. 14, 1-2 (1933).
- Sorbus poteriifolia* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **62**: 223 (Pl. Nov. Sin. Forts. **36**: 6) (1925), p. p.
- S. rufopilosa** Schneider in Bull. Herb. Boissier, sér. 2, **6**: 310 (1906); Ill. Handb. Laubh. **1**: 682, fig. 374p-q, 375o-p (1906).
- S. Koehneana** Schneider in op. cit. 316 (1906); in op. cit. 681, fig. 374o (1906).—Koehne in Sargent, Pl. Wilson. **1**: 471 (1913).—Rehder in Jour. Arnold Arb. **13**: 303 (1932).
- Sorbus Valbrayi* Lévillé in Monde Pl. sér. 2, **18**: 28 (1916); Cat. Pl. Yun-Nan, 242, fig. 62 (1917).
- Pyrus Koehneana* Cardot in Bull. Mus. Hist. Nat. Paris, **24**: 82 (1918).—Bean, Trees Shrubs Brit. Isl. **3**: 324 (1933) "*Pyrus K.*"
- S. Prattii** Koehne in Sargent, Pl. Wilson. **1**: 468 (1913).—Sealy in Bot. Mag. **159**: t. 9460 (1936), exclud. plant. depict.
- Sorbus Prattii* f. *striata* et f. *laevis* Koehne, l. c. (1913).
- Pyrus Prattii* Hemsley ex Bean, Trees Shrubs Brit. Isl. **3**: 327 (1933).
- S. Prattii** var. *tatsienensis* (Koehne) Schneider in Bot. Gaz. **63**: 404 (1917), p. p. typ.
- Sorbus munda* Koehne f. a. *tatsienensis* Koehne in Sargent, Pl. Wilson. **1**: 469 (1913).
- Sorbus pogonopetala* Koehne in op. cit. 473 (1913).
- Pyrus munda* et *P. m.* var. *tatsienensis* Bean, Trees Shrubs Brit. Isl. **3**: 326 (1933).
- S. Prattii** f. *subarachnoidea* (Koehne) Rehder in Jour. Arnold Arb. **21**: 276 (1940).
- Sorbus munda* f. b. *subarachnoidea* Koehne in Sargent, Pl. Wilson. **1**: 469 (1913).
- Sorbus Prattii* Koehne var. *tatsienensis* (Koehne) Schneider in Bot. Gaz. **63**: 404 (1917), p. p.
- Pyrus munda subarachnoidea* Gibbs in Gard. Chron. ser. 3, **68**: 153, fig. 66 (1920).—Bean, Trees Shrubs Brit. Isl. **3**: 326, t. (1933).
- Sorbus Prattii* sensu Sealy in Bot. Mag. **159**: t. 9460 (1936), quoad plant. depict.
- S. glomerulata** Koehne in Sargent, Pl. Wilson. **1**: 470 (1913).—Rolfé in Gard. Chron. ser. 3, **68**: 203 (1920).
- Pyrus glomerulata* Bean, Trees Shrubs Brit. Isl. **3**: 322 (1933).
- S. scalaris** Koehne in op. cit. 462 (1913).
- Pyrus scalaris* Bean, op. cit. 328 (1933).
- S. pluripinnata** (Schneid.) Koehne in op. cit. 481 (1913).
- Sorbus foliolosa* var. *pluripinnata* Schneider in Bull. Herb. Boissier, sér. 2, **6**: 315 (1906); Ill. Handb. Laubh. **1**: 680, fig. 374e<sup>1</sup> (1906).
- Pyrus pluripinnata* Cardot in Bull. Mus. Hist. Nat. Paris, **24**: 80 (1918).—Bean, Trees Shrubs Brit. Isl. **3**: 326 (1933) "*Pyrus p.*"
- Sect. II. CORMUS (Spach) Schneider, Ill. Handb. Laubh. **1**: 683 (1906).
- Cormus* Spach, Hist. Nat. Vég. Phan. **2**: 96 (1834).
- Pyrus* b. *Cormus* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 90 (1906).
- S. domestica** Linnaeus, Sp. Pl. 477 (1753).—Schneider, Ill. Handb. Laubh. **1**: 683, fig. 374u-x, 376a-b (1906).—Komarov, Fl. S. S. S. R. **9**: 374 (1939).
- Mespilus domestica* Allioni, Fl. Pedem. **2**: 141 (1785).
- Pyrus Sorbus* Gaertner, Fruct. Sem. **2**: 45, t. 87 (1791).
- Pyrus domestica* Smith in Sowerby, Engl. Bot. **5**: 350 (1796).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 90 (1906) "*Pyrus.*"
- Malus Sorbus* Borkhausen, Theor.-Prakt. Handb. Forstbot. **2**: 1253 (1803).
- Pyrenia Sorbus* [Clairville], Man. Herb. Suisse, 162 (1812).

**Sorbus domestica** (*continued*)

*Cormus domestica* Spach, Hist. Nat. Vég. Phan. 2: 97 (1834).—Koehe, Deutsche Dendr. 254 (1893).

**S. domestica f. pomifera** (Hayne), grad. nov.

*Sorbus domestica a. pomifera* Hayne, Dendr. Fl. 76 (1822).—Reichenbach, Fl. Germ. Excurs. 2: 628 (1832).

*Pyrus Sorbus* var. 2. *maliformis* Loddiges Cat. ex Loudon, Arb. Brit. 2: 921 (1838).

*Sorbus domestica maliformis* Kirchner in Petzold & Kirchner, Arb. Muscav. 294 (1864), in textu.

**S. domestica f. pyrifera** (Hayne), grad. nov.

*Sorbus domestica β. pyrifera* Hayne, Dendr. Fl. 76 (1822).—Reichenbach, Fl. Germ. Excurs. 2: 628 (1832).

*Pyrus Sorbus* var. 3. *pyriformis* Loddiges Cat. ex Loudon, Arb. Brit. 2: 921 (1838).

Sect. I × III (sect. SORBUS × ARIA).

**S. hybrida** [*S. intermedia* × *aucuparia*] Linnaeus, Sp. Pl. ed. 2, 684 (1762).—Schneider, Ill. Handb. Laubh. 1: 691, fig. 370c, 380t-u (1906).

*Crataegus Aria γ. C. fennica* Kalmii Linnaeus, Fl. Suec. ed. 2, 167 (1755).

*Crataegus Fennica* Kalm, Fl. Fenn. 1: 7 (1765).

*Pyrus pinnatifida* Ehrhart, Beitr. Naturk. 6: 93 (1791).

*Hahnia pinnatifida* Medicus, Gesch. Bot. 82 (1793).

*Pyrus Aria* × *Sorbus aucuparia* Bechstein in Diana, 1: 89 (1797), p. p.

*Pyrus hybrida* Smith, Fl. Brit. 534 (1800), non Moench (1785).

*Azarolus pinnatifida* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1245 (1803), p. p.

*Sorbus auricula* Persoon, Syn. Pl. 2: 39 [1806].

*Pyrus semipinnata* Bechstein, Forstbot. ed. 4: 325 (1821), p. p., exclud. tab. 8.—Roth, Enum. Pl. Germ. 2: 438 (1827), p. p.; Man. Bot. Germ. 2: 709 (1830), p. p.

*Sorbus fennica* Fries, Summa Veg. Scand. 42 (1846).

*Pyrus fennica* Babington, Man. Brit. Bot. ed. 3, 111 (1851).

*Pyrus aucuparia* × *intermedia* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 104 (1906).

**S. hybrida f. Gibbsii** (Osborn), grad. nov.

*Pyrus pinnatifida* var. *Gibbsii* Osborn in Gard. Chron. ser. 3, 77: 234, t. (1925).

*Pyrus firma* Hort. ex Osborn, l. c. (1925), pro syn.

*Sorbus hybrida* var. *Gibbsii* [Bean] in Kew Hand-list Trees Shrubs, ed. 4, 317 (1934), nom.

**S. hybrida f. fastigiata** (Bean) Rehder in Jour. Arnold Arb. 1: 263 (1920); Man. Cult. Trees Shrubs, 380 (1927).

*Pyrus pinnatifida* var. *fastigiata* Bean in Gard. Chron. ser. 3, 41: 184, fig. 82 (1907); Trees Shrubs Brit. Isl. 2: 290 (1914).

**S. hybrida var. Meinichii** (Hartm.) Rehder in Jour. Arnold Arb. 20: 94 (1939).

*Sorbus Aucuparia* \* *Meinichii* Lindeb. mskr. ex Hartman, Handb. Skand. Fl. ed. 11, 271 (1879).

*Sorbus Meinichii* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 49, fig. 8 (Monog. Sorbus) (1901).

*Pyrus aucuparia* × (*aucuparia* × *intermedia*) Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 105 (1906).

*Sorbus hybrida neuillyensis* Cockerell in Am. Jour. Sci. 29: 76 (1910).

*Sorbus aucuparia* × *fennica* Lindman, Svensk. Fanerog.-amfl. 305 (1918).

**S. thuringiaca** (*S. Aria* × *aucuparia*) (Ilse) Fritsch in Kerner, Fl. Exsicc. Austr. Hung. Sched. no. 2443 (1896).—Schneider, Ill. Handb. Laubh. 1: 675 (1906). *Azarolus pinnatifida* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1245 (1803), p. p.

*Pyrus semipinnata* Bechstein, Forstbot. ed. 4, 325, t. 8 (1821), p. p.—Roth, Enum. Pl. Germ. 2: 438 (1827), p. p.

*Crataegus Aria β.* Gaudin, Fl. Helv. 3: 319 (1828).

*Sorbus hybrida* sensu Koch, Syn. Fl. Germ. Helv. 236 (1835), p. p.; non Linnaeus (1762).

?*Sorbus aucuparia θ. saturejaefolia* Hort. ex K. Koch, Hort. Dendr. 178 (1853), nom.

*Pyrus thuringiaca* Ilse, Fl. Mittelthür. 99 (1866).

*Aria thuringiaca* Beck, Fl. Nieder-Öster. 711 (1892).

?*Sorbus aucuparia* × (*Aria nivea* × *S. aucuparia*) a. *satureijfolia* et b. *decurrens* (K. Koch) Koehe, Deutsche Dendr. 248 (1893).

*Sorbus semipinnata* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 55, fig. 10b (Monog. Sorbus) (1901).

*Sorbus decurrens* Hedlund, l. c. (1901).

*Sorbus semipinnata* var. *thuringiaca* Hedlund, l. c. (1901).

**S. plantierensis** (? *S. americana* × *Aria*) Hort. Simon-Louis ex Schneider, Ill. Handb. Laubh. 1: 677 (1906), nom. subnud.

Sect. III. ARIA Persoon, Syn. Pl. 2: 38 (1807).

*Chamaespilus* Medicus, Phil. Bot. 1: 138, 155 (1789).

*Hahnia* Medicus, Gesch. Bot. 81 (1793).—Dippel, Handb. Laubh. 3: 373 (1893), emend.

*Azarolus* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1224 (1805), p. p.

*Aria* Host, Fl. Austr. 2: 7 (1813).

*Pyrus* sect. *Aria* De Candolle, Prodr. 2: 635 (1825).

*Pyrus* sect. *Torminaria* De Candolle, op. cit. 636 (1825).

*Torminaria* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 130 (1847).

*Pirus* subgen. *Hahnia* Focke in Nat. Pflanzenfam. III. 3: 24 (1888).

*Sorbus* sect. *Cormoaria* Zabel in Beissner et al., Handb. Laubh.-Ben. 197 (1903), nom. subnud.—Schneider, Ill. Handb. Laubh. 1: 683 (1906).

*Sorbus* sect. *Torminaria* Zabel, l. c. (1903).

*Sorbus* sect. *Hahnia* Schneider, Ill. Handb. Laubh. 1: 684 (1906).—Zinserling [Tsinslerling] in Komarov, Fl. S. S. R. 9: 372, 387 (1939) "subgen."

**S. torminalis** (L.) Crantz, Stirp. Austr. fasc. 2: 45 (1763); ed. 2, 1: 85 (1767).—Schneider, Ill. Handb. Laubh. 1: 696, fig. 380q-s<sup>2</sup>, 383c-g (1906).—Kossetz in Jour. Bot. Acad. Sci. Ukraine, 2: 4, fig. 1-4 (1941).

*Crataegus torminalis* Linnaeus, Sp. Pl. 476 (1753).

*Pyrus torminalis* Ehrhart, Beitr. Naturk. 4: 92 (1789).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 84 (1906).

*Hahnia torminalis* Medicus, Gesch. Bot. 81 (1793).

*Pyrenia torminalis* [Clairville], Man. Herb. Suisse, 162 (1811).

*Torminaria Chusii* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 130 (1847).

*Aria torminalis* Beck, Fl. Nieder-Öster. 713 (1890).

*Torminaria torminalis* Dippel, Handb. Laubh. 3: 387 (1893).

*Sorbus torminalis f. genuina* Kossetz in Jour. Bot. Acad. Sci. Ukraine, 2: 9 (1941).

**S. megalocarpa** Rehder in Sargent, Pl. Wilson. 2: 266 (1915).

- Pyrus megalocarpa* Bean, Trees Shrubs Brit. Isl. 3: 325 (1933).
- S. latifolia** [*S. Aria* × *torminalis*] (Lam.) Persoon, Syn. Pl. 2: 38 [1806].—Schneider, Ill. Handb. Laubh. 1: 694, fig. 380g-l, 381c-d (1907).  
*Crataegus latifolia* Lamarck, Fl. Franç. 3: 486 (1778).  
*Pyrus intermedia* Bechstein in Diana, 4: 110, t. 2, fig. 2 (1797), non Ehrhart (1789).  
*Crataegus dentata* Thuillier, Fl. Envir. Paris, ed. 2, 245 (1799).  
*Pyrus decipiens* Bechstein, Forstbot. 236, 614 (1810); ed. 4, 1: 321, t. 7 (1821), exclud. fig. e.  
*Pyrus rotundifolia* Bechstein, op. cit. ed. 4, 1: 316, t. 5 (1821).  
*Pyrus semilobata* Bechstein, op. cit. ed. 4, 1: 218, t. 6 (1821).  
*Pyrus intermedia* a. *latifolia* De Candolle, Prodr. 2: 636 (1825).  
*Pyrus latifolia* Lindley ex Steudel, Nomencl. Bot. ed. 2, 2: 424 (1841).  
*Pyrus dentata* Ilse, Fl. Mittelthür. 100 (1866).  
*Torminaria latifolia* Dippel, Handb. Laubh. 3: 308 (1893).  
*Sorbus decipiens* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 98 (Monog. Sorbus) (1901).—Schneider, Ill. Handb. Laubh. 1: 688, fig. 381l-m (1906).  
*Pyrus torminalis* × *aria* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 110 (1906).  
*Sorbus latifolia* var. *typica* Schneider, Ill. Handb. Laubh. 1: 695 (1906).  
*Sorbus Franconica* Bornmüller in Bot. Centralbl. Beih. 36,2: 186 (1918).
- S. intermedia** (Ehrh.) Persoon, Syn. Pl. 2: 38 [1806].—Schneider, Ill. Handb. Laubh. 1: 692, fig. 377s-t (1906).  
*Crataegus Aria* β. *suecica* Linnaeus, Sp. Pl. 476 (1753).  
*Crataegus Aria scandica* Linnaeus, Amoen. Acad. ed. 2, 2: 190 (Gemmae Arbor.; resp. P. Löfving) (1762); ed. 3, 2: 211 (1787).  
*Pyrus intermedia* Ehrhart, Beitr. Naturk. 4: 20 (1789).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 92 (1906) "*Pirus*".  
*Azarolus intermedia* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1232 (1803).  
*Sorbus scandica* Fries, Fl. Halland. 38 (1817).—Koch, Syn. Fl. Germ. Helv. ed. 2, 1: 262 (1843).  
*Crataegus scandica* Wahlenberg, Fl. Upsal. 165 (1820).  
*Aria scandica* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 127 (1847), p. p.  
*Pyrus suecica* Garcke, Fl. Nord- u. Mittel-Deutschl. ed. 9, 140 (1869).  
*Sorbus suecica* Krok mskr. ex Hartman, Handb. Skand. Fl. ed. 11, 1: 270 (1879), pro syn.—Krok & Almquist, Svensk Fl. ed. 2, 122 (1885).  
*Aria suecica* Koehne, Deutsche Dendr. 250 (1893).  
*Hahnica suecica* Dippel, Handb. Laubh. 3: 377 (1893), p. p.
- S. intermedia** var. *minima* (Ley) [Bean] in Kew Hand-list Trees Shrubs, ed. 4, 317 (1934).  
*Pyrus minima* Ley in Jour. Bot. 33: 84 (1895); 35: 289, t. 372 (1897).  
*Sorbus minima* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 161, fig. 14 (Monog. Sorbus) (1901).
- S. intermedia** var. *arranensis* (Hedl.) Rehder in Jour. Arnold Arb. 20: 95 (1939).  
*Pyrus fennica* Syme in Sowerby, Engl. Bot. ed. 3, t. 485 (1865), non Babington (1851).  
*Sorbus arranensis* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 160, fig. 12-13 (Monog. Sorbus) (1901).
- S. Mougeoti** Soyer-Willemet & Godron in Bull. Soc. Bot. France, 5: 447 (1858).—Schneider, Ill. Handb. Laubh. 1: 694, fig. 377u-v, 378k-l (1906).  
*Aria scandica* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 127 (1847), p. p.  
*Pyrus Mougeoti* Beck, Fl. Geb. [Hernstein] in M. A. Becker, Hernstein, 1: 392 (1886).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 93 (1906).  
*Aria Mougeoti* Beck, Fl. Nieder-Öster. 714 (1892).  
*Aria Mougeoti* var. *typica* Beck, l. c. (1892).  
*Hahnica suecica* a. *Mougeotii* Dippel, Handb. Laubh. 3: 377 (1893).  
*Sorbus suecica* var. *Mougeoti* Beck in Ann. Naturh. Hofmus. Wien, 11: 47 (1896).  
*Hahnica Mougeoti* Schneider, Dendr. Winterstud. 180, 247, fig. 170i-l (1903).  
*Sorbus Mougeoti* var. *typica* Schneider, Ill. Handb. Laubh. 1: 694 (1906).  
*Pyrus Mougeotii* A. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 94 (1906).
- S. Aria** (L.) Crantz, Stirp. Austr. 1: 46 (1762).—Schneider, Ill. Handb. Laubh. 1: 687, fig. 377e-g, 378a-e<sup>1</sup> (1906).  
*Crataegus Aria* a. Linnaeus, Sp. Pl. 475 (1753).  
*Mespilus Aria* Scopoli, Fl. Carniol. 1: 345 (1760).  
*Pyrus Aria* Ehrhart, Beitr. Naturk. 4: 26 (1789).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 95 (1906) "*Pirus*".  
*Hahnica Aria* Medicus, Gesch. Bot. 81 (1793).  
*Azarolus Aria* Borkhausen, Theor.-Prakt. Handb. Forstbot. 2: 1229 (1803).  
*Pyrenia Aria* [Clairville], Man. Herb. Suisse, 162 (1811).  
*Aria nivea* Host, Fl. Austr. 2: 7 (1813).  
*Sorbus Aria* var. *typica* Schneider, Ill. Handb. Laubh. 1: 687 (1906).  
*Pirus Aria* A. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 94 (1906).
- S. Aria f. aurea** (Hesse), grad. nov.  
*Sorbus Aria aurea* Hesse ex Rehder, Man. Cult. Trees Shrubs, 380 (1927) "var."  
*Hahnica Aria* (f.) *aurea* (Hesse) Dippel, Handb. Laubh. 3: 376 (1893).  
*Sorbus Aria chrysophylla* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 199 (1903) "(f.)."  
*Pirus Aria* monst. *chrysophylla* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 97 (1906) "*Pirus A. monst. l.*"  
*Pyrus Aria* var. *sulphurea* [Nicholson in] Kew Hand-list Trees Shrubs, 1: 187 (1894), nom.—Bean, Trees Shrubs Brit. Isl. 2: 276 (1914) "*Pyrus A. var.*"
- S. Aria f. lutescens** [Hartwig] Zabel in Beissner et al., Handb. Laubh.-Ben. 199 (1903) "(f.)."  
*Sorbus Aria* var. *lutescens* hort. ex Hartwig, Ill. Gehölzb. 357 (1892).  
*Pyrus Aria* var. *lutescens* [Nicholson in] Kew Hand-list Trees Shrubs, 1: 185 (1894).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 97 (1906) "*Pirus A. monst. l.*"  
*Pyrus Aria* var. *sulphurea* [Nicholson in] Kew Hand-list Trees Shrubs, 1: 187 (1894), nom.—Bean, Trees Shrubs Brit. Isl. 2: 276 (1914).
- S. Aria f. longifolia** (Pers.) Rehder in Jour. Arnold Arb. 26: 474 (1945).  
*Crataegus Aria* β. *foliis oblongis* Lamarck, Encycl. Méth. Bot. 1: 82 (1783).  
*Sorbus Aria* β. *longifolia* Persoon, Syn. Pl. 2: 38 [1806].  
*Pyrus edulis* Willdenow, Enum. Pl. Hort. Berol. 527 (1809).  
*Crataegus Aria* β. *foliis oblongis* Poirlet in Duhamel, Traité Arb. Arbust. France, éd. augm. [Nouv. Duha-

**Sorbus Aria f. longifolia** (*continued*)

- mel] 4: 129, t. 34 [1809] "*C. Aria*" in tab.  
*Pyrus Aria*  $\beta$ . *acutifolia* De Candolle, Prodr. 2: 636 (1825).  
*Crataegus longifolia* Duham. ed. nov. 4, t. 34 [1809] ex De Candolle, l. c. (1825), pro syn.  
*Aria edulis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 124 (1847).  
*Sorbus edulis* K. Koch, Dendr. 1: 195 (1869).  
*Sorbus Aria* var. *edulis* Wenzig in Linnaea, 38: 54 (1874). — Schneider, Ill. Handb. Laubh. 1: 687, fig. 377h-i (1906).  
*Hahnia Aria* f. [litt.] *edulis* Dippel, Handb. Laubh. 3: 375 (1893).  
*Hahnia Aria* i. *angustifolia* Dippel, op. cit. 376 (1893), vix *Pyrus Aria angustifolia* Lindley [1827].  
*Sorbus longifolia* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 82 (Monog. Sorbus) (1901).  
*Pyrus Aria* A. 1. a. *edulis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 95 (1906).
- S. Aria** var. *majestica* [Dipp.] Schneider, Ill. Handb. Laubh. 1: 688, fig. 377l (1906); 2: 996 (1912).  
*Aria majestica* Lavallée, Arb. Segrez. 98 (1877), nom.  
*Aria Decaisneana* Lavallée, Arb. Segrez. Icon. 61, t. 18 [1881].  
*Hahnia Aria* a. *majestica* Dippel, Handb. Laubh. 3: 374 (1893).  
*Sorbus Aria* f. *majestica* Zabel in Beissner et al., Handb. Laubh.-Ben. 198 (1903).  
*Sorbus Decaisneana* (Lav.) Zabel, op. cit. 199 (1903).  
*Sorbus Aria* var. *Decaisneana* Rehder in Bailey, Cycl. Am. Hort. [4]: 1689 (1902).  
*Pyrus Aria* B. II. *majestica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 98 (1906). — Bean in Bot. Mag. 134: t. 8184 (1908) "*Pyrus A.* var."
- S. umbellata** (Desf.) Fritsch in Kerner, Sched. Fl. Exsicc. Austr.-Hung. 7: 18, no. 2449 (1896), emend. — Schneider, Ill. Handb. Laubh. 1: 689, fig. 378f-g, 379a-d (1906).  
*Crataegus umbellata* Desfontaines, Cat. Hort. Paris, ed. 3, 408 (1829).  
*Crataegus flabellifolia* Spach, Hist. Nat. Vég. Phan. 2: 103 (1834).  
*Pyrus meridionalis* Gussone, Syn. Fl. Sicul. 2: 831 (1844).  
*Aria flabellifolia* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 127 (1847).  
*Sorbus flabellifolia* S. Schauer in Uebers. Arbeit. Schles. Ges. Vaterl. Kult. 1847: 292 (1848); in Allg. Gartenzeit. 17: 84 (1849).  
*Sorbus Aria* var. *flabellifolia* Wenzig in Linnaea, 38: 55 (1874).  
*Hahnia Aria* e. *flabellifolia* Dippel, Handb. Laubh. 3: 375 (1893).  
*Sorbus umbellata* var. *flabellifolia* Schneider, Ill. Handb. Laubh. 1: 689 (1906).  
*Pyrus meridionalis* A. *flabellifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 99 (1906).
- S. umbellata** var. *cretica* (Lindl.) Schneider, Ill. Handb. Laubh. 1: 690, fig. 379e-h (1906).  
*Pyrus Aria* var. *cretica* Lindley in Trans. Hort. Soc. Lond. 7: 236 [1828?].  
*Crataegus graeca* Spach, Hist. Nat. Vég. Phan. 2: 102 (1834).  
*Pyrus graeca* Hort. ex Loudon, Arb. Brit. 2: 910 (1838), pro syn.  
*Aria graeca* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 127 (1847).

- Sorbus Aria* var. *graeca* K. Koch, Dendr. 1: 102 (1869).  
*Sorbus graeca* Lodd. ex Nyman, Consp. Fl. Eur. 242 (1879); Suppl. 118 (1889).  
*Hahnia Aria* b. *graeca* Dippel, Handb. Laubh. 3: 375 (1893).  
*Sorbus Cretica* Fritsch in Kerner, Sched. Fl. Exsicc. Austr.-Hung. 7: 18, no. 2448 (1896).  
*Pyrus meridionalis* B. *Cretica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 100 (1906).
- S. pallescens** Rehder in Sargent, Pl. Wilson. 2: 266 (1915).  
*Sorbus ochrocarpa* Rehder in Bailey, Stand. Cycl. Hort. 6: 3198 (1917).
- S. lanata** (D. Don) S. Schauer in Uebers. Arbeit. Schles. Ges. Vaterl. Kult. 1847: 292 (1848). — K. Koch, Hort. Dendr. 177 (1853). — Schneider, Ill. Handb. Laubh. 1: 691, fig. 380o-p, 383a-b (1906). — Jahn in Mitt. Deutsch. Dendr. Ges. 47(1935): 145, fig. 4, 5 [1936].  
*Pyrus lanata* D. Don, Prodr. Fl. Nepal. 237 (1825).  
*Pyrus kamounensis* Wallich, Num. List, no. 678 (1829), nom.  
*Aria kamaonensis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: (Rosifl.) 130 (1847). — Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 163 (1874) "*Kumaonensis*."  
*Sorbus Kamunensis* S. Schauer in Uebers. Arbeit. Schles. Ges. Vaterl. Kult. 1847: 292 (1848).
- S. cuspidata** (Spach) Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 80 (Monog. Sorbus) (1901). — Schneider, Ill. Handb. Laubh. 1: 683, fig. 376c-c', 377a (1906). — Stapf in Bot. Mag. 135: t. 8259 (1909).  
*Pyrus vestita* Wallich, Num. List, no. 679 (1829), nom. — Loudon, Arb. Brit. 2: 912 (1838). — Hooker, f., Fl. Brit. Ind. 2: 375 (1878).  
*Crataegus cuspidata* Spach, Hist. Nat. Vég. Phan. 2: 106 (1834).  
*Aria vestita* Roemer, Fam. Nat. Reg. Veg. Syn. 3: (Rosifl.) 125 (1847).  
*Aria cuspidata* Roemer, l. c. (1847).  
*Sorbus crenata* K. Koch, Dendr. 1: 196 (1869).  
*Aria lanata* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 163 (1874).  
*Cormus lanata* Koehne, Gatt. Pomac. 23 (1890).  
*Sorbus nepalensis* hort. ex Schneider, Ill. Handb. Laubh. 1: 684 (1906), pro syn.
- S. Chamaemespilus** (L.) Crantz, Stirp. Austr. 2: 40 (1763). — Schneider, Ill. Handb. Laubh. 1: 697, fig. 382a-b, 383i-l (1906).  
*Mespilus Chamaemespilus* Linnaeus, Sp. Pl. 479 (1753).  
*Crataegus alpina* Miller, Gard. Dict. ed. 8, C. no. 3 (1768).  
*Pyrus alpina* Du Roi, Harbk. Baumz. 2: 191 (1772). *not on this page*  
*Crataegus Chamaemespilus* Jacquin, Fl. Austr. Pl. Sel. Icon. 3: 17, t. 231 (1775). *apparently*  
*Crataegus humilis* Lamarck, Encycl. Méth. Bot. 1: 83 (1783).  
*Pyrus Chamaemespilus* Ehrhart, Beitr. Naturk. 4: 19 (1789). — Pott in Du Roi, Harbk. Baumz. ed. 2, 2: 321 (1800).  
*Hahnia Chamaemespilus* Medicus, Gesch. Bot. 82 (1793).  
*Aronia Chamaemespilus* Persoon, Syn. Pl. 2: 39 [1806].  
*Pyrenia Chamaemespilus* [Clairville], Man. Herb. Suisse, 162 (1811).  
*Aria Chamaemespilus* Host, Fl. Austr. 2: 8 (1827).  
*Chamaemespilus humilis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 131 (1847).  
*Sorbus Chamaemespilus* a. *glabra* Neilreich, Fl. Nieder-Oester. 887 (1859). — Schneider, Ill. Handb. Laubh. 1: 697 (1906).

- Pirus Chamaemespilus* A. *typica* 1. *glabra* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 102 (1906).
- S. Chamaemespilus** var. *sudetica* (Tausch) Wenzig in Monatsschr. Ver. Beförd. Gartenb. Preuss. **17**: 546 (1874).
- Aronia Aria-Chamaemespilus* Reichenbach, Fl. Germ. Excurs. 630 (1832).
- Crataegus Pseudo-aria* Spach, Hist. Nat. Vég. Phan. **2**: 108 (1834).
- Pyrus sudetica* Tausch in Flora, **18**: 75, t. 1 (1835).
- Sorbus Chamaemespilus* var. *discolor* Neilreich, Fl. Nieder-Oester. 888 (1859), non Hegetschweiler (1840).
- Sorbus sudetica* Nyman, Consp. Fl. Eur. 242 (1879); Suppl. 118 (1889).—Schneider, Ill. Handb. Laubh. **1**: 698, fig. 382c, 383q-r (1906).
- Aria sudetica* Beck, Fl. Nieder-Öster. 711 (1892).
- Pyrus Aria*  $\beta$ . *rosea* Tausch ex Koehne, Deutsche Dendr. 251 (1893), pro syn.—Tausch, Exsicc. no. 507b ex Hedlund, Monog. Sorbus, 110 (1901), pro syn.
- Aria nivea*  $\times$  *Chamaemespilus* Beck a. *sudetica* Koehne, Deutsche Dendr. 251 (1893).
- S. Hostii** [*S. Chamaemespilus*  $\times$  *Mougeotii*] (Jacq.) K. Koch, Dendr. **1**: 198 (1869), p. p.—Hedlund in Svenska Vetensk.-akad. Handl. **35,1**: 112 (Monog. Sorbus) (1901).—Schneider, Ill. Handb. Laubh. **1**: 694, fig. 381a-b (1906).
- Aria Hostii* Jacquin f., Cat. Hort. Vindob. [?Universitätsgart. Wien] (1826).—Host, Fl. Austr. **2**: 8 (1831).
- Pirus Hostii* ex K. Koch, Dendr. **1**: 192 (1869), pro syn.
- Aronia Hostii* Carrière in Rev. Hort. **1873**: 470 (1873).
- Sorbus fallacina* Royer in Bull. Soc. Bot. France, **30**: 233 (1883).
- Hahnia Hostii* Dippel, Handb. Laubh. **3**: 378 (1893), p. p.
- Sect. iv. MICROMELES (Decne.) Rehder, Man. Cult. Trees Shrubs, 382 (1927).
- Micromeles Decaisne* in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 168 (1874).—Schneider, Ill. Handb. Laubh. **1**: 700 (1906).
- Pirus* b. *Micromeles* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 106 (1906).
- Sorbus* "group" 5. *Micromeles* Rehder in Bailey, Stand. Cycl. Hort. **6**: 3197 (1917).
- S. alnifolia** (Sieb. & Zucc.) K. Koch in Ann. Mus. Lugd.-Bat. **1**: 249 (1864).—Rehder in Sargent, Pl. Wilson. **2**: 270 (1915).
- Crataegus alnifolia* Siebold & Zuccarini in Abh. Phys. Math. Cl. Akad. Münch. **4,2**: 130 (Fl. Jap. Fam. Nat. **1**: 22) (1845).
- Aria alnifolia* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 166 (1874).
- Aria tiliifolia* Decaisne in op. cit. 167 (1874).
- Pyrus alnifolia* Franchet & Savatier, Enum. Pl. Jap. **2**: 350 [1878], non Lindley (1821).
- Micromeles alnifolia* Koehne, Gatt. Pomac. **21** (1890); in Gartenfl. **41**: 282, fig. 61-62 (1892).—Schneider, Ill. Handb. Laubh. **1**: 703, fig. 386d-e, 387i-k (1906).—Komarov, Fl. S. S. S. R. **9**: 406, t. 27, fig. 2 (1939).
- Micromeles tiliifolia* Koehne, Gatt. Pomac. **21**, t. 2, fig. 14e (1890); in Gartenfl. **41**: 282, fig. 61-62 (1892).
- Pyrus Miyabei* Sargent in Gard. & For. **6**: 214 (1893).
- Sorbus Miyabei* [sic] Mayr, Fremdl. Wald. & Parkbäume, 491 (1906).
- Micromeles alnifolia* var. *typica* et var. *tiliaefolia* Schneider, Ill. Handb. Laubh. **1**: 703, fig. 386e, 387l (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 152 (1906).—Nakai, Fl. Sylv. Kor. **6**: 25, t. 4 (1916) "var. *typica*."
- Micromeles alnifolia* a. *serrata* et  $\beta$ . *tiliaefolia* Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 69 (Consp. Rosac. Jap.) (1913).
- S. caloneura** (Stapf) Rehder in Sargent, Pl. Wilson. **2**: 269 (1915).
- Micromeles caloneura* Stapf in Kew Bull. **1910**: 192 (1910); in Bot. Mag. **136**: t. 8335 (1910).
- Pyrus caloneura* Bean, Trees Shrubs Brit. Isl. **2**: 279 (1914).
- S. meliosmifolia** Rehder in Sargent, Pl. Wilson. **2**: 270 (1915).
- Pyrus meliosmifolia* Bean, Trees Shrubs Brit. Isl. **3**: 326 (1933).
- S. Keissleri** (Schneid.) Rehder in op. cit. 269 (1915); in Jour. Arnold Arb. **13**: 304 (1932).
- Micromeles Decaisneana* Schneider in Bull. Herb. Boissier, sér. 2, **6**: 319 (1906); Ill. Handb. Laubh. **1**: 701, fig. 385g-g<sup>1</sup>, 386i-k (1906), non *Sorbus Decaisneana* Zabel (1903).
- Micromeles Keissleri* Schneider, l. c. fig. 388c, 389d (1906).
- Micromeles Decaisneana* var. *Keissleri* Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 151 (1906).
- Pirus Keissleri* Léveillé, Fl. Kouy-Tchéou, 351 (1915).
- Sorbus Mairei* Rehder & Léveillé ex Léveillé, Cat. Pl. Yun-Nan, 242 (1917), nom.
- Sorbus Aria* var. *Mairei* Léveillé, l. c. (1917), pro syn.
- S. Folgeneri** (Schneid.) Rehder in Sargent, Pl. Wilson. **2**: 271 (1915).
- Micromeles Folgeneri* Schneider in Bull. Herb. Boissier, sér. 2, **1**: 318 (1906); Ill. Handb. Laubh. **1**: 704, fig. 386q, 387n-n<sup>1</sup> (1906).
- Pyrus Folgeneri* Bean in Kew Bull. **1910**: 175 (1910); in Jour. Hort. Soc. Lond. **40**: 217, fig. 47 (1914).—Léveillé, Fl. Kouy-Tchéou, 349 (1915) "*Pirus F.*"
- S. Folgeneri** f. *pendula* Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 222 [1916]; in Bailey, Stand. Cycl. Hort. **6**: 3197 (1917) "var."
- Pyrus Folgeneri* var. *pendula* Hort. ex Rehder, l. c. (1916).
- S. epidendron** Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **60**: 135 (Pl. Nov. Syn. Forts. **21**: 1) (1923); Symb. Sin. **7**: 466 (1933).
- S. japonica** (Decne.) Hedlund in Svenska Vetensk.-akad. Handl. **35,1**: 90 (Monog. Sorbus) (1901).—Rehder in Sargent, Pl. Wilson. **2**: 275 (1915).
- Sorbus japonica* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12,1**: 67 (Syn. Pl. Oec. Jap.) (1830), nom.
- Pyrus lanata* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 40 (Prol. Fl. Jap. 228) (1867); non Don (1825).
- Sorbus Aria* var. *kumaonensis* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 175 (in Mél. Biol. **9**: 173) (1873), non *Pyrus kamounensis* Wallich (1829).
- Aria japonica* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 164 (1874).
- Micromeles japonica* Koehne, Gatt. Pomac. **21**, fig. 14c (1890).—Schneider, Ill. Handb. Laubh. **1**: 703, fig. 386g-h, 387m-m<sup>1</sup> (1906).
- S. japonica** var. *calocarpa* Rehder in Sargent, Pl. Wilson. **2**: 276 (1915).
- SORBARONIA** (*Aronia*  $\times$  *Sorbus*) Schneider, in Repert. Sp. Nov. Reg. Veg. **3**: 134 (1906).
- LECTOTYPUS: *Pyrus hybrida* Moench = *S. hybrida* (Moench) Schneid.



**Sorbaronia** (*continued*)

- S. hybrida** (*A. arbutifolia* × *S. aucuparia*) (Moench) Schneider in Silva Tarouca, Uns. Freil.-Laubgeh. ed. 2, 388 (1922).  
*Pyrus hybrida* Moench, Verz. Bäume Sträuch. Weissenst. 90 (1785).  
*Pyrus heterophylla* Pott in Du Roi, Harbk. Baumz. ed. 2, 318 (1800).  
*Azarolus heterophylla* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1248 (1803).  
*Sorbus spuria* Persoon, Syn. Pl. 2: 38 [1806].  
*Mespilus sorbifolia* Poiret, Encycl. Méth. Bot. Suppl. 4: 72 (1816).  
*Sorbus heterophylla* Reichenbach, Fl. Germ. Excurs. 2: 628 (1832).—Schneider, Ill. Handb. Laubh. 1: 676, fig. 384k-n (1906).  
*Aronia sorbifolia* Spach, Hist. Nat. Vég. Phan. 2: 87 (1834).  
*Aronia spuria* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 158 (1847).  
*Aronia hybrida* Zabel in Beissner et al., Handb. Laubh.-Ben. 193 (1903).  
*Pirus spuria* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 109 (1906).  
*Sorbaronia heterophylla* Schneider in Repert. Sp. Nov. Reg. Veg. 3: 134 (1906); Ill. Handb. Laubh. 2: 996 (1912).  
**S. fallax** (*A. melanocarpa* × *S. aucuparia*) (Schneid.) Schneider, l. c. (1906); l. c. (1912).  
*Sorbus heterophylla* sensu Dippel, Handb. Laubh. 3: 272 (1893), vix Reichenbach (1832).  
*Aronia heterophylla* Zabel in Beissner et al., Handb. Laubh.-Ben. 193 (1903), exclud. syn.  
*Sorbus fallax* Schneider, Ill. Handb. Laubh. 1: 676 (1906).  
*Pirus fallax* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 109 (1906).  
**S. Jackii** (*A. prunifolia* × *S. americana*) Rehder in Jour. Arnold Arb. 20: 95 (1939).  
*Aronia atropurpurea* × *S. americana* Rydberg in Jour. New York Bot. Gard. 28: 227, fig. A. (1927).  
**S. Arsenii** (*A. prunifolia* × *S. decora*) (Britt.) G. N. Jones in Jour. Arnold Arb. 20: 29 (1939).  
*Sorbus Arsenii* Britton in Arsène in Rep. Bot. Exch. Club Brit. Isl. 7: 961 (1926).  
*Pyrus Arsenii* Arsène in Rhodora, 29: 177 (1927).  
**S. sorbifolia** (*A. melanocarpa* × *S. americana*) (Poir.) Schneider in Repert. Sp. Nov. Reg. Veg. 3: 134 (1906); Ill. Handb. Laubh. 2: 996 (1906).  
*Mespilus sorbifolia* Poiret, Encycl. Méth. Bot. Suppl. 4: 73 (1816).  
*Aronia Watsoniana* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 159 (1847).  
*Sorbus Sargenti* Dippel, Handb. Laubh. 3: 373 (1893).  
*Sorbus sorbifolia* Hedlund in Svenska Vetensk.-akad. Handl. 35,1: 114 (Monog. Sorbus) (1901).  
*Aronia Sargenti* Zabel in Beissner et al., Handb. Laubh.-Ben. 193 (1903).  
**S. alpina** (*A. arbutifolia* × *S. Aria*) (Willd.) Schneider in Repert. Sp. Nov. Reg. Veg. 3: 134 (1906); Ill. Handb. Laubh. 2: 997 (1912).  
*Pyrus alpina* Willdenow, Enum. Pl. Hort. Berol. 527 (1809).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 110 (1906) "*Pirus a.*"  
*Aronia densiflora* Spach, Hist. Nat. Reg. Vég. Phan. 2: 88 (1834).

- Sorbus alpina* Heynhold, Nomencl. Bot. 2: 684 (1846).—Schneider, Ill. Handb. Laubh. 1: 689, fig. 384f-h (1906).  
*Sorbus alpina* (Willd.) Zabel, Syst. Verz. Gärt. Münden, 18 (1878), nom.  
*Sorbus arbutifolia* × *Aria: latifolia et longifolia et grandifolia* Zabel, l. c. (1878), nom.  
*Sorbus arbutifolia* × *Aria: superaria* Zabel, l. c. (1878), pro syn.  
*Aronia densa* Carrière in Rev. Hort. 1879: 134, fig. 31 (1879), err. pro "*densiflora*".  
*Sorbus alpina super-Aria* (Zabel) et *compacta* Dieck, Haupt-Kat. Zöschchen, 73 (1885), nom.  
*Aronia Willdenowii* Zabel in Beissner et al., Handb. Laubh.-Ben. 193 (1903).  
**S. Dippelii** (*A. melanocarpa* × *S. Aria*) (Zab.) Schneider in Repert. Sp. Nov. Reg. Veg. 3: 134 (1906); Ill. Handb. Laubh. 2: 997 (1912).  
*Aronia Dippelii* Zabel in Beissner et al., Handb. Laubh.-Ben. 193 (1903).  
*Aronia Dippelii* (f.) *compacta* (Dieck), (f.) *longifolia* (Zabel), (f.) *grandifolia* (= *super-Aria*) (Zabel) Zabel in Beissner et al., Handb. Laubh.-Ben. 193 (1903), nom.  
*Sorbaronia Dippelii* var. *superaria* Schneider in Repert. Sp. Nov. Reg. Veg. 3: 134 (1906); Ill. Handb. Laubh. 2: 997 (1912).  
*Sorbus Dippelii* Schneider, Ill. Handb. Laubh. 1: 689, fig. 384i (1906).  
*Pirus Dippelii* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 110 (1906).

**SORBOPYRUS** (*Pyrus* × *Sorbus*) Schneider, Ill. Handb. Laubh. 1: 666 (1906). \*)

- Bollwilleria* Zabel in Mitt. Deutsch. Dendr. Ges. 1907 (16): 77 [1908].  
*Pyraria* (*Aria* × *Pyrus*) Chevalier in Rev. Bot. Appl. 5: 729, 969 (1925).  
 TYPUS: *Pyrus auricularis* Knoop = *S. auricularis* (Knoop) Schneider.  
**S. auricularis** (*P. communis* × *S. Aria*) (Knoop) Schneider, l. c., fig. 365a-l (1906).  
*Pyrus auricularis* Knoop, Pomol. 2: 38, t. 4 [1758].—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 113 (1906) "*Pirus*".  
*Pyrus irregularis* Muenchhausen, Hausvater, 5: 246 (1770).  
*Pyrus Pollveria* Linnaeus, Mant. Pl. 2: 244 (1771).  
*Lazarolus Pollveria* Medicus, Gesch. Bot. 81 (1793).  
*Pyrus tomentosa* Moench, Meth. Pl. 608 (1794).  
*Azarolus Pollveriana* Borkhausen, Theor.-Prakt. Handb. Forstbot. 2: 1251 (1803).  
*Pyrus Pollvilla* Gmelin, Fl. Bad. 4: 386 (1806).  
*Pyrus Bollwylleria* De Candolle, Fl. Franç. 6: 530 (1815).—Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 2: 35, 190 (1826) "*P. bollwylleria*".—Haussknecht in Mitt. Bot. Ver. Thüring. n. ser. 17: 102 (1902) "*Pirus*".  
*Sorbus Bollwylleria* Zabel in Beissner et al., Handb. Laubh.-Ben. 197 (1903).  
*Bollwilleria auricularis* Zabel in Mitt. Deutsch. Dendr. Ges. 1907(16): 77 [1908].  
*Pyraria auricularis* (Knoop) Chevalier in Rev. Bot. Appl. 5: 730 (1925).  
**S. auricularis** var. *bulbiformis* (Tatar) Schneider, Ill. Handb. Laubh. 1: 667 (1906).  
*Pyrus Bollwylleria* var. *bulbiformis* Tatar in Wien. Ill. Garten-Zeit. 3: 26, fig. 7-8 (1878).

\*) See also *Pirocrataegus* Daniel, p. 252.

- Pirus auricularis* b. *bulbiformis* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 114 (1906).  
*Bollwilleria bulbiformis* Zabel in Mitt. Deutsch. Dendr. Ges. **1907**(16): 77 [1908].  
 SYNONYMA DUBIA:  
*Pyrus malifolia* Spach, Hist. Nat. Vég. Phan. **2**: 131  
*Bollwilleria malifolia* Zabel in Mitt. Deutsch. Dendr. Ges. **1907**(16): 77 [1908] "*P. auricularis* × *Malus* sp."  
*Sorbo-Pyrus malifolia* Guillaumin in Bull. Soc. Dendr. France, **1925**: 68 (1925), nom.  
*Pyraria malifolia* (Spach) Chevalier in Rev. Bot. Appl. **5**: 732 (1925).  
*Sorbo-pyrus malifolia* Schneider ex [Bean in] Kew Hand-list Trees Shrubs, ed. 4, 315 (1934).
- AMELASORBUS** (*Amelanchier* × *Sorbus*) Rehder in Jour. Arnold Arb. **6**: 154 (1925).  
 TYPUS: *A. Jackii* Rehd.
- A. Jackii** (*A. florida* × *S. scopulina*) Rehder, l. c. (1925) "*A. florida* × *S. sitchensis*". — G. N. Jones in Jour. Arnold Arb. **20**: 22 (1939).  
*Amelanchier* sp. × *Sorbus occidentalis* Rydberg in Jour. New York Bot. Gard. **28**: 227, fig. b. (1927) "*A. ?florida* × *S. o.*"
- ?**A. Hoseri** [*A. sp.* × *S. hybrida*?] Wroblewski in litt. (1939) "*S. auriculata* × *A. spec.*" (in herb. Arnold Arb.)
- ?**A. Raciborskiana** (*A. asiatica* × *S. sp.*) Wroblewski in litt. (1939) (in herb. Arnold Arb.)
- ARONIA** Medicus, Phil. Bot. **1**: 140, 155 (1789). — Persoon, Syn. Pl. **2**: 39 [1806], p. p. — Koehne, Deutsche Dendr. **254** (1893). — Non Mitchell (nom. prae-Linn.; repr. 1769).  
*Pyrus* sect. *Adenorhachis* De Candolle, Prodr. **2**: 637 (1825).  
*Sorbus* sect. *Pyrenia* S. Schauer in Uebers. Arbeit. Schles. Vaterl. Kult. **1847**: 295 (1848).  
*Pyrus* subgen. *Aronia* Focke in Nat. Pflanzenfam. III. **3**: 25 (1888). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 107 (1906) "*Pirus*".  
*Sorbus* sect. *Aronia* Schneider, Ill. Handb. Laubh. **1**: 698 (1906).  
*Adenorachis* Nieuwland in Am. Midland Nat. **4**: 93 (1915).  
 LECTOTYPUS: *Mespilus arbutifolia* L. = *A. arbutifolia* (L.) Pers.
- A. arbutifolia** (L.) Persoon, Syn. Pl. **2**: 39 [1806], descr. fruct. exclud. — Elliott, Bot. S. Carol. **1**: 556 (1821). — Spach, Hist. Nat. Vég. Phan. **2**: 89 (1834). — Britton & Brown, Ill. Fl. N. U. S. **2**: 236, fig. 1983 (1897).  
*Mespilus arbutifolia* Linnaeus, Sp. Pl. 478 (1753).  
*Pyrus arbutifolia* Linnaeus f., Suppl. Pl. 256 (1781). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 108 (1906) "*Pirus*".  
*Crataegus pyrifolia* Lamarck, Encycl. Méth. Bot. **1**: 83 (1783).  
*Mespilus canadensis* Marshall, Arbust. Am. 91 (1785), non Linnaeus (1753).  
*Hahnia arbutifolia* a. *rubra* Medicus, Gesch. Bot. **82** (1793).  
*Pyrus arbutifolia* a. *erythrocarpa* Michaux, Fl. Bor.-Am. **1**: 292 (1803).  
*Azaronia arbutifolia* Borkhausen, Theor.-Prakt. Handb. Forstbot. **2**: 1225 (1803).  
*Aronia pyrifolia* Persoon, Syn. Pl. **2**: 39 [1806].  
*Aronia arbutifolia* a. *tomentosa* Elliott, Sketch Bot. S. Carol. **1**: 557 (1821).
- Sorbus arbutifolia* Heynhold, Nomencl. Bot. **1**: 772 (1840). — Schneider, Ill. Handb. Laubh. **1**: 698, fig. 382d-i, 384a-b (1906).
- A. arbutifolia** f. *macrophylla* (Hook.) Rehder in Jour. Arnold Arb. **2**: 43 (1920).  
*Pyrus arbutifolia* var. *macrophylla* Hooker in Comp. Bot. Mag. **1**: 25 (1835), nom.
- A. arbutifolia** f. *leicalyx* Rehder in op. cit. **42** (1920).
- A. arbutifolia** f. *macrocarpa* Zabel in Beissner et al., Handb. Laubh.-Ben. **192** (1903), nom. "(f.)" — Rehder in op. cit. **44** (1920).
- A. arbutifolia** var. *pumila* (Schmidt) Rehder in op. cit. **43** (1920).  
*Mespilus pumila* Franz Schmidt, Oester. Allgem. Baumz. **2**: 39, t. 88 (1794).  
*Pyrus depressa* Lindley in Trans. Hort. Soc. Lond. **7**: 230 [1827].  
*Aronia depressa* Spach, Hist. Nat. Vég. Phan. **2**: 90 (1834).  
*Pyrus arbutifolia* var. *pumila* Loudon, Arb. Brit. **2**: 926, fig. 647, 648 (1838).  
*Sorbus depressa* Heynhold, Nomencl. Bot. **1**: 772 (1840). — Hedlund in Svenska Vetensk.-akad. Handl. **35,1**: 116 (Monog. Sorbus) (1901).  
*Sorbus arbutifolia* var. *depressa* Schneider, Ill. Handb. Laubh. **1**: 698 (1906).  
*Aronia arbutifolia* var. *depressa* Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 150 (1906); Schneider, Ill. Handb. Laubh. **2**: 997 (1912).
- A. prunifolia** (Marsh.) Rehder in Jour. Arnold Arb. **19**: 74 (1938).  
*Crataegus arbutifolia* Lamarck, Encycl. Méth. Bot. **1**: 83 (1783), p. p.; non *Mespilus a.* Linnaeus (1753).  
*Mespilus prunifolia* Marshall, Arbust. Am. **90** (1785).  
*Mespilus Amelanchier* γ. *prunifolia* Castiglioni, Viagg. St. Uniti, **2**: 293 (1790).  
*Aronia arbutifolia* Persoon, Syn. Pl. **2**: 39 [1806], p. p.  
*Pyrus floribunda* Lindley in Bot. Reg. **12**: t. 1006 (1826).  
*Aronia* (*Pyrus*) *floribunda* (Lindl.) Spach, Hist. Nat. Vég. Phan. **2**: 89 (1834). — Rehder in Jour. Arnold Arb. **2**: 44 (1920).  
*Sorbus floribunda* Heynhold, Nomencl. Bot. **1**: 773 (1840). — Schneider, Ill. Handb. Laubh. **1**: 699 (1906) "*S. arbutifolia* × *melanocarpa*".  
*Aronia nigra* b. *pubescens* Dippel, Handb. Laubh. **3**: 386 (1893), p. p.  
*Aronia arbutifolia* × *nigra* Koehne, Deutsche Dendr. **254** (1893).  
*Pyrus arbutifolia* var. *melanocarpa* f. *pubescens* Rand & Redfield, Fl. Mt. Desert, **98** (1894).  
*Aronia atropurpurea* Britton, Man. Fl. N. St. Can. **517** (1901).  
*Sorbus floribunda* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 699 (1906, May).  
*Aronia floribunda* var. *typica* Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 150 (1906, Nov. 15).  
*Aronia arbutifolia* var. *atropurpurea* Schneider, l. c. (1906, Nov. 15).  
*Pyrus arbutifolia* × *melanocarpa* A. *typica* (Schneid.) Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 109 (1906, Nov. 20).  
*Pyrus arbutifolia* var. *atropurpurea* (Britt.) Robinson in Rhodora, **10**: 33 (1908).  
*Adenorachis atropurpurea* (Robins.) Nieuwland in Am. Midland Nat. **4**: 94 (1915).  
*Pyrus atropurpurea* Bailey in Rhodora, **18**: 154 (1916).

**Aronia prunifolia** (continued)

- Pyrus melanocarpa* var. *atropurpurea* (Britt.) Farwell in Rep. Michigan Acad. Sci. **19**: 257 (1917).
- A. melanocarpa** (Michx.) Elliott, Sketch Bot. S. Carol. **1**: 556 (1821).
- Haknia arbutifolia* β. *nigra* Medicus, Gesch. Bot. **82** (1793).
- Pyrus arbutifolia* β. *nigra* Willdenow, Sp. Pl. **2**: 1013 [1800].
- Mespilus arbutifolia* β. *melanocarpa* Michaux, Fl. Bor.-Am. **1**: 592 (1803).
- Pyrus melanocarpa* Willdenow, Enum. Pl. Hort. Berol. **525** (1809).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 108 (1906).
- Pyrus pumila* Neumann in hort. Leibnitz ex Tausch in Flora, **21,1** (Beibl. **1**): 77 (1838), non Miller (1768).
- Sorbus melanocarpa* Heynhold, Nomencl. Bot. **1**: 773 (1840).—Schneider, Ill. Handb. Laubh. **1**: 699, fig. 382k-k<sup>1</sup>, 384c-e (1906).
- Pyrus nigra* Sargent in Gard. & For. **3**: 416 (1890).
- Aronia nigra* Koehne, Deutsche Dendr. **254** (1893).—Dippel, Handb. Laubh. **3**: 385 (1893).—Britton & Brown, Ill. Fl. N. U. S. **2**: 237, fig. 1984 (1897).
- Pyrus arbutifolia* var. *melanocarpa* Rand & Redfield, Fl. Mt. Desert, **98** (1894).
- Sorbus melanocarpa* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 700 (1906).
- Aronia melanocarpa* var. *typica* Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 150 (1906).
- Adenorachis melanocarpa* Nieuwland in Am. Midland Nat. **4**: 94 (1915).
- Adenorachis nigra* Nieuwland in op. cit. **277** (1915).
- A. melanocarpa** var. *subpubescens* (Lindl.) Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 151 (1906).
- Pyrus melanocarpa* var. *subpubescens* Lindley in Trans. Hort. Soc. Lond. **7**: 232 [1827].
- Sorbus melanocarpa* β. *subpubescens* Heynhold, Nomencl. Bot. **1**: 773 (1840).
- Aronia nigra* b. *pubescens* Dippel, Handb. Laubh. **3**: 385 (1893), p. p.
- A. melanocarpa** var. *elata* Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 186 (1913).
- A. melanocarpa** var. *grandifolia* (Lindl.) Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 150 (1906).
- Pyrus grandifolia* Lindley in Bot. Reg. **14**: t. 1154 (1828).
- Aronia grandifolia* Spach, Hist. Nat. Reg. Vég. Phan. **2**: 91 (1834).
- Sorbus grandifolia* Heynhold, Nomencl. Bot. **1**: 773 (1840).
- Aronia nigra* var. *grandifolia* Dippel, Handb. Laubh. **3**: 386 (1893).
- Sorbus melanocarpa* var. *grandifolia* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1689 (1902).
- PHOTINIA** Lindley in Trans. Linn. Soc. Lond. **13**: 103 (1821).—Bentham & Hooker f., Gen. Pl. **1**: 627 (1865).  
TYPE: *P. serrulata* Lindley (1821).
- SECT. I. **POURTHIAEA** (Decne.) Schneider, Ill. Handb. Laubh. **1**: 708 (1906).
- Pourthiaea* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 146 (1874).—Focke in Nat. Pflanzenfam. III. **3**: 26, fig. 10m-n [1888].
- P. villosa** (Thunb.) De Candolle, Prodr. **2**: 631 (1825).—Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 177 (in Mém. Biol. **9**: 176) (1873).—Schneider, Ill. Handb.

- Laubh. **1**: 710 (1906).—Rehder in Jour. Arnold Arb. **13**: 304 (1932).
- Crataegus villosa* Thunberg, Fl. Jap. **204** (1784).
- Stranvaesia digyna* Siebold & Zuccarini in Abh. Phys. Math. Akad. Wiss. Münch. **4,2**: 129 (Fl. Jap. Fam. Nat. **1**: 21) (1845).
- Pourthiaea villosa* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 147 (1874).—Nakai, Fl. Sylv. Kor. **6**: 28 (1916).
- Pourthiaea Cotoneaster* Decaisne, l. c. (1874).
- Photinia variabilis* Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 263 (1887), p. p.
- Sorbus terminalis* hort. gall. ex Kat. Muskau [1888?], nom.; (in herb. Arnold Arb. coll. A. Rehder in Hort. Muskau, 1888).—Teleki in Kert, **4**: 144 (1898).—Zabel in Beissner et al., Handb. Laubh.-Ben. **200** (1903), pro syn.
- Pourthiaea variabilis* Palibin in Act. Hort. Petrop. **17**: 76 (1899).
- Sorbus villosa* Zabel in Beissner et al., Handb. Laubh.-Ben. **200** (1903).
- Photinia villosa* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 710, fig. 392h-i, 393c (1906).
- Pirus brunnea* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 377 (1912).
- Pirus spectabilis* var. *albescens* Léveillé, l. c. (1912).
- Pourthiaea villosa* var. *typica* (Schneid.) Nakai, Fl. Sylv. Kor. **6**: 28 (1916).
- P. villosa** f. *Maximowicziana* (Lévl.) Rehder in Jour. Arnold Arb. **20**: 95 (1939).
- Pirus sinensis* Lindl. var. *Maximowicziana* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 377 (1912).
- Pourthiaea villosa* var. *brunnea* sensu Nakai, Fl. Sylv. Kor. **6**: 29, t. 10 (1916); non *Pirus brunnea* Léveillé (1912).
- Pirus Maximowicziana* (Lévl.) Nakai, Fl. Sylv. Kor. **6**: 50 (1916), quoad nom. et syn. Léveillé, descr. et tab. **20** exclud.
- P. villosa** var. *laevis* (Thunb.) Dippel, Handb. Laubh. **3**: 380 (1893).—Schneider, Ill. Handb. Laubh. **1**: 710, fig. 392k-m<sup>2</sup>, 393e-f (1906).
- Myrtus laevis* Thunberg, Fl. Jap. **198** (1784).
- Crataegus laevis* Thunberg, op. cit. **204** (1784).
- Mespilus laevis* Lamarck, Encycl. Méth. Bot. **4**: 445 (1797).
- Photinia laevis* De Candolle, Prodr. **2**: 631 (1825).
- Pourthiaea coreana* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 148 (1874).
- Pourthiaea Thunbergii* Decaisne in op. cit. **149** (1874).
- Pourthiaea Oldhami* Decaisne in op. cit. **149** (1874).
- Photinia arguta* var. *laevis* Wenzig in Linnaea, **38**: 92 (1874).
- Photinia arguta* hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, **1**: 215 (1894), pro syn.; non Decaisne (1874).
- Sorbus villosa* (f.) *laevis* Zabel in Beissner et al., Handb. Laubh.-Ben. **200** (1903).
- Pourthiaea laevis* (Thunb.) Koidzumi, Fl. Symb. Or.-Asia, **52** (1930).
- Pourthiaea villosa laevis* Stapf in Bot. Mag. **155**: t. 9275 (1932).
- P. villosa** var. *sinica* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 186 (1912).
- P. Beauverdiana** Schneider in Bull. Herb. Boissier, sér. **2**, **6**: 319 (1906); Ill. Handb. Laubh. **1**: 710, fig. 393p-q (1906).—Rehder in Jour. Arnold Arb. **13**: 305 (1932).

- Pourthiaea villosa* sensu Pritz. in Bot. Jahrb. **29**: 389 (1900), non Decaisne (1874).  
*Photinia Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. **4**: 334 (1907).  
*Pourthiaea Beauverdiana* Hatusima in Bull. Univ. For. Kyushu, **3**: 99 (1933).
- P. Beauverdiana** var. *notabilis* (Schneid.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 188 (1912).  
*Photinia notabilis* Schneider, Ill. Handb. Laubh. **1**: 711 (1906).  
*Pourthiaea Beauverdiana* var. *notabilis* Hatusima in Bull. Univ. For. Kyushu, **3**: 99 (1933).
- P. parvifolia** (Pritz.) Schneider, Ill. Handb. Laubh. **1**: 711, fig. 392o-o<sup>1</sup> (1906).—Rehder in Jour. Arnold Arb. **13**: 305 (1932).  
*Pourthiaea parvifolia* Pritz. in Bot. Jahrb. **29**: 389 (1900).  
*Photinia subumbellata* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 189 (1912).  
*Viburnum Komarovii* Léveillé & Vaniot in Repert. Sp. Nov. Reg. Veg. **9**: 78 (1910).  
*Crataegus Cavaleriei* sensu Léveillé, Fl. Kouy-Tchéou, 346 (1915), quoad specim. cit. 1303; non Léveillé & Vaniot (1908).
- P. amphidoxa** (Schneid.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 190 (1912).—Rehder in Jour. Arnold Arb. **13**: 306 (1932).  
*Stranvaesia amphidoxa* Schneider in Bull. Herb. Boissier, sér. 2, **6**: 319 (1906); Ill. Handb. Laubh. **1**: 713, fig. 394k-l (1906).  
*Pirus Feddei* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 189 (1913).
- Sect. II. EUPHOTINIA Lindley in Bot. Reg. **23**: t. 1956, in textu, p. [2], p. p.—Focke in Nat. Pflanzenfam. III. **3**: 25 [1888].—Schneider, Ill. Handb. Laubh. **1**: 706 (1906).
- P. serrulata** Lindley in Trans. Linn. Soc. Lond. **13**: 103 (1821), exclud. syn. Thunberg.—Schneider, Ill. Handb. Laubh. **1**: 707, fig. 390a-b, 391a-b (1906).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 184 (1912).—Rehder in Jour. Arnold Arb. **13**: 306 (1932).  
*Crataegus glabra* Loddiges, Bot. Cab. **3**: t. 248 (1818), non Thunberg (1784).  
*Mespilus glabra* Colla, Hort. Ripul. 90, t. 36 (1824), exclud. descript., non *Crataegus glabra* Thunb. (1784).  
*Crataegus serratifolia* Desfontaines, Cat. Hort. Paris, ed. 3, 408 (1829).  
*Photinia pustulata* Lindley in Bot. Reg. **23**: t. 1956, p. [2] (1837).  
*Photinia glabra* β. *chinensis* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 179 (in Mém. Biol. **9**: 179) (1873).  
*Stranvaesia Argyi* Léveillé in Mem. Acad. Sci. Art. Barcelona, ser. 3, **12**: 560 (Cat. Pl. Kiang-Sou, 20) (1916), pro syn.
- P. serrulata** f. *rotundifolia* (Mouillef.) grad. nov.  
*Photinia serrulata* var. *rotundifolia* Mouillefert, Arb. Arbriss. **1**: 531; Atlas, t. 47 [1893].—Bean, Trees Shrubs Brit. Isl. **2**: 145 (1914).
- P. Davidsoniae** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 185 (1912).—Thatcher in Gard. Chron. ser. 3, **71**: 199, fig. 102 (1922).
- P. glabra** (Thunb.) Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 178 (in Mém. Biol. **9**: 179) (1873).—Schneider, Ill. Handb. Laubh. **1**: 707, fig. 390c-d, 391e-f (1906).
- Crataegus glabra* Thunberg, Fl. Jap. 205 (1784).  
*Photinia glabra* a. *typica* Maximowicz, l. c. (1873).  
*Sorbus glabra* Zabel in Beissner et al., Handb. Laubh.-Ben. 200 (1903).
- STRANVAESIA** Lindley in Bot. Reg. **23**: t. 1956 (1837).  
 —Bentham & Hooker f., Gen. Pl. **1**: 627 (1865).  
 TYPUS: *S. glaucescens* Lindl. = *S. Nussia* (D. Don) Decne.
- S. Davidiana** Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 179 (1874).—Rehder in Jour. Arnold Arb. **13**: 307 (1932).  
*Stranvaesia Henryi* Diels in Bot. Jahrb. **36**: 52 (1905).—Schneider, Ill. Handb. Laubh. **1**: 713 (1906).  
*Pirus Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. **11**: 66 (1912).  
*Photinia Davidiana* Cardot in Bull. Mus. Hist. Nat. Paris, **25**: 399 (1919).—Stapf in Bot. Mag. **149**: t. 9008 (1924).
- S. Davidiana** var. *undulata* (Decne.) Rehder & Wilson in Sargent, Pl. Wilson. **1**: 192 (1912).  
*Stranvaesia undulata* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 179 (1874).—Schneider, Ill. Handb. Laubh. **1**: 713, fig. 393b, 394f-i (1906); **2**: 999, fig. 597a-e (1912).  
*Eriobotrya undulata* Franchet, Pl. Delavay. 226 [1890].
- S. Davidiana** var. *salicifolia* (Hutchins.) Rehder in Jour. Arnold Arb. **7**: 29 (1926).  
*Stranvaesia salicifolia* Hutchinson in Bot. Mag. **146**: t. 8862 (1920).
- ERIOBOTRYA** Lindley in Trans. Linn. Soc. Lond. **13**: 102 (1821).—Focke in Nat. Pflanzenfam. III. **3**: 25 (1888).  
*Photinia* Bentham & Hooker f., Gen. Pl. **1**: 627 (1865), p. p.  
 TYPUS: *E. japonica* (Thunb.) Lindl.
- E. japonica** (Thunb.) Lindley, l. c. (1821).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 193 (1912).  
*Mespilus japonica* Thunberg, Fl. Jap. 206 (1784).  
*Crataegus Bibas* Loureiro, Fl. Cochinch. 319 (1790).  
*Photinia japonica* Franchet & Savatier, Fl. Jap. **1**: 142 [1873].
- E. japonica** f. *variegata* (Gard. Chron.), grad. nov.  
*Eriobotrya japonica variegata* Anon. in Gard. Chron. ser. 3, **53**: 293, fig. 125 (1913).—A. C. B. in Gard. Chron. ser. 3, **69**: 29, fig. 15 (1921).
- RAPHIOLEPIS** Lindley in Bot. Reg. **6**: t. 468 (1820); in Trans. Linn. Soc. Lond. **13**: 105 (1821).—Poir. in Dict. Sci. Nat. **45**: 314 (1827) "*Raphiolepis*".—Bentham & Hooker f., Gen. Pl. **1**: 627 (1865).—Nom. CONSERV.: cf. Règl. Intern. Nomencl. Bot. **81**, no. 3339 (1906).  
*Opa Loureiro*, Fl. Cochinchin. 308 (1790), p. p.  
 TYPUS: *R. indica* (L.) Lindl.
- R. umbellata** (Thunb.) Makino in Bot. Mag. Tokyo, **16**: 13 (1902).—Schneider, Ill. Handb. Laubh. **1**: 705, fig. 390h-i, 391i-k (1906).  
*Laurus umbellata* Thunberg, Fl. Jap. 175 (1784).  
*Mespilus Sieboldi* Blume, Bijdr. Fl. Ned. Ind. 1102 (1826).  
*Raphiolepis japonica* Siebold & Zuccarini, Fl. Jap. **1**: 162, t. 85 [1841].  
*Opa japonica* Seemann in Jour. Bot. **1**: 281 (1863).
- R. umbellata** f. *ovata* (Briot) Schneider, Ill. Handb. Laubh. **1**: 706 (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 152 (1906).

**Raphiolepis umbellata** f. *ovata* (continued)

- Raphiolepis ovata* [Th. Moore] in Proc. Hort. Soc. Lond. 4: 133 (1864). — Briot in Rev. Hort. 1866: 292 (1866); 1870-71: 348, fig. 52 (1870).
- Raphiolepis japonica* var. *integerrima* Hooker in Bot. Mag. 91: t. 5510 (1865), non *R. integerrima* Hooker & Arnott (1841).
- Raphiolepis umbellata* f. *integerrima* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 223 [1916].
- Raphiolepis Mertensii* var. *ovata* Nakai, Fl. Sylv. Kor. 6: 32 (1916).
- R. indica** (L.) Lindley in Bot. Reg. 6: t. 468 (1820); in Proc. Linn. Soc. Lond. 13: 105 (1821). — Merrill in Trans. Am. Philos. Soc. n. ser. 24: 179 (Comm. Lour. Fl. Cochinch.) (1935).
- Crataegus indica* Linnaeus, Sp. Pl. ed. 2, 683 (1762). — Sims in Bot. Mag. 42: t. 1726 (1815).
- Crataegus rubra* Loureiro, Fl. Cochinch. 320 (1790).
- Opa Metrosideros* Loureiro, op. cit. 309 (1790).
- Mespilus rubra* Stokes, Mat. Med. 3: 110 (1812).
- Mespilus sinensis* Poirlet, Encycl. Méth. Bot. Suppl. 4: 70 (1816).
- Crataegus sinensis* Loiseleur-Deslongchamps, Herb. Gén. Amat. 4: 247, t. (1820). — Loureiro ex B. A. Gomes in Mem. Acad. Ci. Lisb. Cl. Sci. Pol. Mor. Bell.-Lett. 4, 1: 29 [1868], pro syn.
- Raphiolepis rubra* Lindley, Collect. Bot. t. 3 (1821); in Bot. Reg. 17: t. 1400 (1831).
- Raphiolepis Loureiri* Sprengel, Syst. 2: 508 (1825).
- Syzygium?* *Metrosideros* De Candolle, Prodr. 3: 261 (1828).
- Raphiolepis sinensis* M. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 114 (1847).
- Eriobotrya Metrosideros* A. Chevalier, Cat. Pl. Jard. Saigon, 64 (1919).
- Raphiolepis indica* var. *typica* Nakai in Jour. Arnold Arb. 5: 65 (1924).
- R. Delacourii** (*R. indica* × *umbellata*) André in Rev. Hort. 1900: 698, t. (1900). — A. O[sborn] in Gard. Chron. ser. 3, 73: 34 (1923).
- AMELANCHIER** Medicus, Philos. Bot. 1: 135, 155 (1789). — Bentham & Hooker f., Gen. Pl. 1: 628 (1865). — Wiegand in Rhodora, 14: 117-161, t. 95-6 (1912). — G. N. Jones, Am. Sp. Amelanchier, 126 pp., 23 pl. (Illinois Biol. Monog. 20, 2) (1946).
- Aronia* Persoon, Syn. Pl. 2: 39 [1806], p. p.
- Amelanchus* Rafinesque in Act. Soc. Linn. Bordeaux, 6: 266 (1834).
- Amelancus* Rafinesque, Fl. Tellur. 3: 5 [1837]. — F. Müller ex Vollmann, Fl. Bayern, 453 (1914).
- Amelanchier* Bubani, Fl. Pyren. 2: 580 (1900).
- Amelanchier* sect. *Euamelanchier* Schneider, Ill. Handb. Laubh. 1: 731 (1906).
- LECTOTYPUS: *Mespilus Amelanchier* L. = *A. ovalis* Med.
- A. ovalis** Medicus, Gesch. Bot. 79 (1793). — Hegi, Ill. Fl. Mittel-Eur. 4, 2: 756, fig. 1073-6 [1922].
- Mespilus Amelanchier* Linnaeus, Sp. Pl. 478 (1753).
- Sorbus Amelanchier* Crantz, Stirp. Austr. fasc. 2: 53 (1763); ed. 2, 1: 90 (1769).
- Pyrus Amelanchier* Linnaeus f., Suppl. Pl. 256 (1781).
- Crataegus rotundifolia* Lamarck, Encycl. Méth. Bot. 1: 84 (1783).
- Amelanchier vulgaris* Moench, Meth. Pl. 682 (1794). — Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, 51: 489 (1907), pro syn.; cf. p. 490 = *A. ovalis* Med.

- Aronia rotundifolia* Persoon, Syn. Pl. 2: 39 [1806].
- Crataegus Amelanchier* Desfontaines, Hist. Arb. Arbriss. 1: 149 (1809).
- Amelanchier rotundifolia* Dumont de Courset, Bot. Cult. ed. 2, 5: 459 (1811). — Schneider, Ill. Handb. Laubh. 1: 731, fig. 407a-d, 408a-d (1906).
- Pyrenia Amelanchier* [Clairville], Man. Herb. Suisse, 162 (1811).
- Aronia rupestris* Bluff & Fingerhut, Comp. Fl. Germ. 1: 609 (1821).
- Aronia Amelanchier* Reichenbach, Fl. Germ. Excurs. 630 (1832).
- Amelanchier Amelanchier* Karsten, Deutsche Fl. 784 (1880). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 50 (1906).
- Amelanchier vulgaris* a. *genuina* Rouy & Camus, Fl. France, 7: 28 (1901).
- Amelanchier Amelanchier* A. *genuina* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 50 (1906).
- Amelancus ovalis* Vollmann, Fl. Bayern, 453 (1914).
- A. florida** Lindley in Bot. Reg. 19: t. 1589 (1833). — Bean in Bot. Mag. 141: t. 8611 (1915). — Wiegand in Rhodora, 14: 143, t. 95, fig. 3 (1912). — G. N. Jones, Am. Sp. Amelanchier, 73, t. 2 (1946).
- Amelanchier ovalis* β. *semiintegrifolia* Hooker, Fl. Bor.-Am. 1: 202 [1834].
- Amelanchier parvifolia* Douglas ex Hooker, l. c. [1834], pro syn.
- Amelanchier alnifolia* sensu Sargent, Silva N. Am. 4: 131 (1892), p. p.; non Nuttall (1834).
- Amelanchier oxyodon* Koehne in Gartenfl. 51: 609, fig. 126 (1902).
- Amelanchier alnifolia* var. *florida* Schneider, Ill. Handb. Laubh. 1: 739, fig. 411a-o<sup>1</sup> (1906); in Repert. Sp. Nov. Reg. Veg. 3: 182 (1906).
- Amelanchier canadensis* var. *semiintegrifolia* Farwell in Rep. Michigan Acad. Sci. 7: 174 (1915).
- A. florida** f. *tomentosa* Sealy in Bot. Mag. 160: t. 9496 (1937).
- A. alnifolia** (Nutt.) Nuttall in Jour. Acad. Nat. Sci. Philad. 7: 22 (1834). — Sargent, Silva N. Am. 4: 131, t. 196 (1892). — G. N. Jones, Am. Sp. Amelanchier, 67, t. 2 (1946).
- Aronia alnifolia* Nuttall, Gen. N. Am. Pl. 1: 306 (1818).
- Amelanchier canadensis* var. *alnifolia* Torrey & Gray, Fl. N. Am. 1: 473 (1840).
- Amelanchier alnifolia* var. *typica* Schneider, Ill. Handb. Laubh. 1: 739 (1906).
- Amelanchier macrocarpa* Lunell in Am. Midland Nat. 3: 143 (1913).
- Amelanchier leptodendron* Lunell in op. cit. 5: 237 (1918).
- Amelanchier Carrii* Rydberg in Brittonia, 1: 89 (1931).
- A. Cusickii** Fernald in Erythraea, 7: 121 (1899). — Schneider, Ill. Handb. Laubh. 1: 735, fig. 409f, 410d-d<sup>1</sup> (1906). — G. N. Jones, Am. Sp. Amelanchier, 78, t. 3, 20 (1946).
- A. sanguinea** (Pursh) De Candolle, Prodr. 2: 633 (1825). — Wiegand in Rhodora, 14: 138, t. 95, fig. 1, (1912). — G. N. Jones, op. cit. 59, t. 17, 18 (1946).
- Mespilus canadensis* γ. *rotundifolia* Michaux, Fl. Bor.-Am. 1: 291 (1803).
- Pyrus sanguinea* Pursh, Fl. Am. Sept. 1: 340 (1814).
- Aronia sanguinea* Nuttall, Gen. Am. Pl. 1: 306 (1818).
- Amelanchier canadensis* γ. *rotundifolia* Torrey & Gray, Fl. N. Am. 1: 473 (1840), p. p. — Gray, Man. Bot. N. U. S. 130 (1848) "var."

- Amelanchier rotundifolia* Roemer, Fam. Nat. Reg. Veg. Syn. 3(Rosifl.): 146 (1847).—Britton & Brown, Ill. Fl. N. U. S. 2: 238, fig. 1988 (1897).—Non (Lam.) Dumont de Courset (1811).
- Amelanchier canadensis* var. *spicata* Sargent, Silva N. Am. 4: 129 (1892), p. p.
- Amelanchier spicata* sensu Koehne, Deutsche Dendr. 256 (1893), p. p.—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 460 (1908), non (Lam.) K. Koch (1869).
- A. amabilis** Wiegand in Rhodora, 23: 48 (1921).—G. N. Jones, Am. Sp. Amelanchier, 60 (1946), pro syn.
- Amelanchier sanguinea* f. *grandiflora* Wiegand in op. cit. 14: 139 (1912).—Rehder in Bailey, Stand. Cycl. Hort. 1: 272 (1914) "var."
- Amelanchier grandiflora* Wiegand in Rhodora, 22: 149 (1920, Oct. 29), non Rehder (1920, Sept. 6).
- A. humilis** Wiegand in Rhodora, 14: 141, t. 95, fig. 2 (1912).—G. N. Jones, Am. Sp. Amelanchier, 67 (1946), pro syn.
- Amelanchier oblongifolia* sensu Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 460 (1908), p. p.; non (Torr. & Gray) Roemer (1847).
- Amelanchier spicata* sensu "many Am. auth." ex Wiegand, l. c. (1912), pro syn.; non (Lam.) K. Koch (1869).
- Amelanchier humilis* var. *typica* Nielsen in Am. Midland Nat. 22: 173, t. 5 (1939).
- A. stolonifera** Wiegand in Rhodora, 14: 144, t. 95, fig. 4 (1912).—G. N. Jones, Am. Sp. Amelanchier, 49 (1946), pro syn.
- Amelanchier spicata* sensu Britton & Brown, Ill. Fl. N. U. S. 2: 238, fig. 1987 (1897), p. p.; non (Lam.) K. Koch (1869).
- Amelanchier canadensis* var. *spicata* Sargent, Silva N. Am. 4: 129 (1892), p. p.
- Amelanchier oblongifolia* sensu Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 460 (1908), p. p.; non (Torr. & Gray) Roemer (1847).
- A. stolonifera** f. *micropetala* (Robins.) Rehder in Jour. Arnold Arb. 27: 316 (1946).
- Amelanchier oblongifolia* var. *micropetala* Robinson in Rhodora, 10: 33 (1908).—Robinson & Fernald in Gray, Man. Bot. N. U. S., ed. 7, 460 (1908).—Weatherby in Rhodora, 18: 48 (1916).
- ?*Amelanchier oblongifolia*  $\times$  *stolonifera* Wiegand in Rhodora, 14: 133 (1912).
- Amelanchier Botryapium* var. *micropetala* Farwell in Rep. Michigan Acad. Sci. 17: 76 (1916).
- Amelanchier micropetala* Ashe in Bull. Torrey Bot. Club, 46: 223 (1919).
- Amelanchier canadensis* var. *micropetala* Rehder in Jour. Arnold Arb. 26: 71 (1945).
- A. obovalis** (Michx.) Ashe in Bot. Gaz. 35: 434 (1903).—Sargent, Man. Trees N. Am. 361, fig. 284 (1905), p. p.—Fernald in Rhodora, 43: 566, t. 672, fig. 3, 4 (1941).—G. N. Jones, Am. Sp. Amelanchier, 49, t. 8, 22, 23 (1946).
- Mespilus Amelanchier* sensu Walter, Fl. Carol. 148 (1788), non Linnaeus (1753).
- Mespilus canadensis* var. *a. obovalis* Michaux, Fl. Bor.-Am. 1: 291 (1803).
- Amelanchier canadensis* var. *obovalis* Sargent, Silva N. Am. 4: 128 (1892), p. p., exclud. t. 195.
- Amelanchier oblongifolia* sensu Wiegand in Rhodora, 14: 147 (1912), p. p.
- Amelanchier stolonifera* Wiegand in op. cit. 144 (1912), p. p.
- A. spicata** [*A. canadensis*?  $\times$  *ovalis*] (Lam.) K. Koch, Dendr. 1: 182 (1869), p. p.—Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 135 (1874), p. p.—Koehne, Deutsche Dendr. 256 (1893), p. p.—G. N. Jones, Am. Sp. Amelanchier, 51, t. 11, fig. 2 (1946), p. p., quoad basonym.—Fernald in Rhodora, 48: 125, t. 1027 (1946) "?*A. canadensis*  $\times$  *ovalis*", cf. p. 128.
- Crataegus spicata* Lamarck, Encycl. Méth. Bot. 1: 84 (1783).
- Pyrus ovalis* Willdenow, Berlin. Baumz. 259 (1796).
- ?*Amelanchier ovalis* sensu Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1259 (1803), non Medicus (1793).
- Amelancus spicata* (Decaisne) Vollman, Fl. Bayern, 453 (1914).
- A. canadensis** (L.) Medicus, Gesch. Bot. 79 (1793).—Fernald in Rhodora, 43: 566, t. 672, fig. 1 (1941).—G. N. Jones, Am. Sp. Amelanchier, 43, t. 2, 9, 10 (1946).
- Mespilus canadensis* Linnaeus, Sp. Pl. 478 (1753), p. p. typ.
- Mespilus virginiana* Miller, Gard. Dict. ed. 8, M. no. 11 (1768).
- ?*Prunus-Cerasus canadensis* Weston, Bot. Univ. 1: 225 (1770).
- Pyrus Botryapium* Linnaeus f., Suppl. Pl. Syst. Veg. 255 (1781).
- Crataegus racemosa* Lamarck, Encycl. Méth. Bot. 1: 84 (1783).
- Crataegus amoena* Salisbury, Prodr. Stirp. Chap. Allert. 357 (1797).
- Amelanchier Botryapium* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1260 (1803).—W. Darlington, Fl. Cestr. [ed. 2], 294 (1837).—Britton & Brown, Ill. Fl. N. U. S. 2: 238, fig. 1986 (1897).
- Aronia Botryapium* Persoon, Syn. Pl. 2: 39 [1806].
- Aronia Botryapium* var.  $\beta$ . *racemosa* Persoon, l. c. [1806].
- Aronia ovalis* sensu Elliott, Sketch Bot. S. Carol. 1: 558 (1821); non Persoon [1806].
- Pyrus ovalis* sensu Bigelow, Fl. Bost. ed. 2, 195 (1824), non Willdenow (1796).
- Amelanchier intermedia* Spach, Hist. Nat. Vég. Phan. 2: 85 (1834).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 292, fig. 2330 (1913).
- Mespilus glabra* Nuttall ex Hooker, Fl. Bor.-Am. 1: 202 (1834), pro syn.
- Pyrus Neumanniana* Tausch in Flora, 21, Beibl. 1: 76 (1838).
- Aronia affinis* Neumann ex Tausch, op. cit. 77 (1838), pro syn.
- Amelanchier canadensis*  $\beta$ . *oblongifolia* Torrey & Gray, Fl. N. Am. 1: 473 (1840).
- Amelanchier ovalis* sensu Emerson, Trees Massachusetts, 444 (1846), non Medicus (1793).
- Amelanchier oblongifolia* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 147 (1847).—Wiegand in Rhodora, 14: 147, t. 96, fig. 5 (1912).
- Amelanchier Neumanniana* Roemer, l. c. (1847).
- Amelanchier spicata* sensu Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 135 (1874), non (Lam.) K. Koch (1869).
- Amelanchier canadensis* var. *obovalis* Britton, Sterns & Poggenburg, Prelim. Cat. Anthoph. New York, 17 (1888), excl. syn.—Sargent, Silva N. Am. 4: 128, t. 195 (1892), p. p. maxim.
- ?*Amelanchier nantucketensis* Bicknell in Bull. Torrey Bot. Club, 46: 221 (1919).

**Amelanchier canadensis** (continued)

- Amelanchier canadensis intermedia* Ashe in Bull. Torrey Bot. Club, **46**: 221 (1919).  
*Amelanchier sera* Ashe in op. cit. 222 (1919).—Rehder, Man. Cult. Trees Shrubs, 390 (1927).  
*Amelanchier oblongifera* Ashe, l. c. (1919), sphalm.  
*Amelanchier longifolia* Roem. ex Stapf in Index Lond. **1**: 116 (1929), sphalm. pro *oblongifolia*.  
*Amelanchier austromontana* sensu Fernald in Rhodora, **43**: 566 (1941), p. p.; non Ashe (1918).
- A. arborea** (Michx. f.) Fernald in Rhodora, **43**: 563, t. 672, fig. 2 (1941).—G. N. Jones, Am. Sp. Amelanchier, 34, map 5, t. 1, 8 (1946).  
*Mespilus nivea* Marshall, Arbust. Am. 90 (1785).  
*Pyrus Botryapium* sensu Wangenheim, Beytr. Deutsch. Holzgw. Nordam. Holzt. 90, t. 28, fig. 65 (1787).—Tausch in Flora, **21,2**: 714 (1830).—Non Linnaeus f. (1781).  
*Mespilus canadensis* Walter, Fl. Carol. 148 (1788).—Non Linnaeus (1753).  
*Mespilus Amelanchier*  $\beta$ . *nivea* Castiglioni, Viagg. St. Uniti, **2**: 293 (1790).  
*Mespilus canadensis*  $\beta$ . *cordata* Michaux, Fl. Bor.-Am. **1**: 291 (1803).  
*Mespilus arborea* Michaux f., Hist. Arb. Am. Sept. **3**: 68, t. 11 (1810); N. Am. Sylva, **2**: 70, t. 66 (1818).  
*Malus microcarpa* Rafinesque in Am. Monthly Mag. **2**: 206 (1817).  
*Aronia arborea* Barton, Comp. Fl. Philad. **1**: 228 (1818).  
*Aronia botryapium* sensu Elliott, Sketch Bot. S. Carol. **1**: 557 (1821), non Persoon [1806].  
*Amelanchier ovalis*  $\beta$ . *subcordata* De Candolle, Prodr. **2**: 632 (1825).  
*Aronia subcordata* Rafinesque ? in litt. ex De Candolle, l. c. (1825), pro syn.  
*Aronia cordata* Rafinesque, Med. Fl. **2**: 196 (1830), nom.  
*Amelanchier Botryapium* sensu Spach, Hist. Nat. Vég. Phan. **2**: 285 (1834).—Darlington, Fl. Cestr. 294 (1837).—Farwell in Rep. Michigan Acad. Sci. **17**: 175 (1916).—Non Borkhausen (1803).  
*Pyrus Wangenheimiana* Tausch in Flora, **21,2**: 714 (1838).  
*Aronia nivea* Neumann in Cat. Hort. Leibnitz ex Tausch, l. c. (1838), pro syn.  
*Amelanchier canadensis a. Botryapium* Torrey & Gray, Fl. N. Am. **1**: 473 (1840).—Walpers, Repert. Bot. Syst. **2**: 55 (1843).—Gray, Man. Bot. N. U. S. 130 (1848).—Schneider, Ill. Handb. Laubh. **1**: 734, fig. 409a-b (1906).—Robinson & Fernald in Gray, op. cit. ed. 7, 460 (1908).  
*Amelanchier Wangenheimiana* M. Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 146 (1847).  
*Amelanchier canadensis* sensu W. Darlington, Fl. Cestr. ed. 3, 86 (1853).—Sargent, Silva N. Am. **4**: 127, t. 194 (1892), p. p.—Wiegand in Rhodora, **14**: 150, t. 96, fig. 6 (1912).—Deam, Fl. Indiana, 532, (1940).—Non *Mespilus canadensis* L. (1753), nec *A. canadensis* Med. (1793).  
*Amelanchier canadensis* var. (?) *oblongifolia* Gray, op. cit. ed. 2, 126 (1856), p. p.  
*Amelanchier canadensis* var. *obovalis* Sargent, Silva N. Am. **4**: 128 (1892), p. p.  
*Amelanchier canadensis* var. *tomentula* Sargent, Man. Trees N. Am. 361 (1905).  
*Amelanchier intermedia* sensu Blanchard in Torrey **7**: 98 (1907), p. p.—Britton, N. Am. Trees, 438 (1908), p. p.—Non Spach (1834).  
*Amelancus canadensis* Med. ex Vollmann, Fl. Bayern, 453 (1914), non *Amelanchier c.* (L.) Med. (1793).
- A. arborea f. nuda** (Palmer & Steyer.) Rehder in Jour. Arnold Arb. **27**: 170 (1946).  
*Amelanchier canadensis f. nuda* Palmer & Steyermark in Ann. Missouri Bot. Gard. **25**: 772 (1938).
- A. grandiflora** (*A. arborea*  $\times$  *laevis*) Rehder in Jour. Arnold Arb. **2**: 45 (1920, Sept. 6) "*A. canadensis*  $\times$  *laevis* Wiegand in herb."; Man. Cult. Trees Shrubs, 390 (1927).—G. N. Jones, Am. Sp. Amelanchier, 42 (1946).  
*Amelanchier* ? *Botryapium lancifolia* Simon-Louis ex Zabel, Syst. Verz. Muenden, 19 (1878), nom.  
*Amelanchier canadensis grandiflora* Zabel in Beissner et al., Handb. Laubh.-Ben. 191 (1903), nom.  
*Amelanchier lancifolia* hort. gall. ex Zabel, l. c. (1903), pro syn.
- A. grandiflora f. rubescens** Rehder in Jour. Arnold Arb. **2**: 46 (1920).—G. N. Jones, Am. Sp. Amelanchier, 43 (1946).
- A. laevis** Wiegand in Rhodora, **14**: 154, t. 96, fig. 7 (1912).—Nielsen in Am. Midl. Nat. **22**: 188, t. 14 (1939).—G. N. Jones, Am. Sp. Amelanchier, 30, map 4, t. 1, 6 (1946).  
*Pyrus Botryapium* sensu Bigelow, Fl. Boston. ed. 2, 196 (1824), non Linnaeus f. (1781).  
*Amelanchier canadensis* sensu Torrey & Gray, Fl. N. Am. **1**: 473 (1840).—Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 166 (1889).—Sargent, Silva N. Am. **4**: 127, t. 194 (1892).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 459 (1908).—Farwell in Rep. Michigan Acad. Sci. **17**: 172 (1916).—Non *Mespilus canadensis* L. (1753), nec *Amelanchier canadensis* Med. (1793).  
*Amelanchier Botryapium* sensu Emerson, Trees Massachusetts, 443 (1846), non Borkhausen (1803).  
*Amelanchier canadensis* var. *Botryapium* Gray, Man. Bot. N. U. S. 130 (1848).  
*Amelanchier lancifolia* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, **1**: 217 (1894), pro syn.  
*Amelanchier stricta* Hort. ex [Nicholson] l. c. (1894), pro syn.  
*Amelanchier laevis f. nitida* Wiegand in Rhodora, **13**: 155 (1912).—Fernald in Rhodora, **23**: 267 (1922) "var."  
*Amelanchier laevis* var. *cordifolia* Ashe in Jour. Elisha Mitchell Sci. Soc. **34**: 138 (1918).
- A. asiatica** (Sieb. & Zucc.) Endlicher ex Walpers, Rep. Bot. Syst. **2**: 55 (1843).—Schneider, Ill. Handb. Laubh. **1**: 736, fig. 410f-h, 412a-b (1906).—Nakai, Fl. Sylv. Kor. **6**: 19, t. 1 (1916).—Rehder in Jour. Arnold Arb. **13**: 308 (1932).  
*Aronia asiatica* Siebold & Zuccarini, Fl. Jap. **1**: 87, t. 42 [1839].  
*Amelanchier canadensis* var. *japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 41 (Prol. Fl. Jap. 229) (1867).  
*Amelanchier japonica* Hort. ex K. Koch, Dendr. **1**: 179 (1869), pro syn.  
*Amelanchier asiatica* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 736 (1906).  
*Amelanchier canadensis* var. *asiatica* Koidzumi in Bot. Mag. Tokyo, **23**: 171 (1909).  
*Pirus Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 199 (1909).  
*Pirus Vanioti* Léveillé in op. cit. 200 (1909).
- A. asiatica** var. *sinica* Schneider, Ill. Handb. Laubh. **1**: 736, fig. 410i-i', 412c-d (1906).  
*Amelanchier asiatica* sensu E. Pritzel in Bot. Jahrb. **29**: 389 (1900), non (Sieb. & Zucc.) Walpers (1843).



- A. Bartramiana** (Tausch) Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 145 (1847).—Wiegand in Rhodora, **14**: 158, t. 96, fig. 8 (1912).—G. N. Jones, Am. Sp. Amelanchier, 20, map 1, t. 1, 11 (1946).  
*Mespilus canadensis* δ. *oligocarpa* Michaux, Fl. Bor.-Am. **1**: 291 (1803).  
*Pyrus oligocarpa nana* Donn ex Muhlenberg, Cat. Pl. Am. Sept. 49 (1813), nom.  
*Pyrus Bartramiana* Tausch in Flora, **21,2**: 715 (1838).  
*Aronia praecox* Neumann ex Tausch, l. c. (1838), pro syn.  
*Amelanchier canadensis* ξ. *oligocarpa* Torrey & Gray, Fl. N. Am. **1**: 474 (1840).  
*Amelanchier oligocarpa* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 145 (1847).—Gray, Man. Bot. N. U. S. ed. 6, 167 (1889).—Britton & Brown, Ill. Fl. N. U. S. **2**: 239, fig. 1990 (1897).  
*Amelanchier sanguinea* sensu Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 136 (1874), non (Pursh) DC.  
*Amelanchier arguta* Nuttall ex Britton, Man. Fl. N. St. Can. ed. 2, 1066 (1905); ed. 3, 1076 (1907).  
*Amelanchier canadensis* var. *pauciflora* Farwell in Rep. Michigan Acad. Sci. **17**: 175 (1916).
- A. utahensis** Koehne, Gattung. Pomac. in Wiss. Beil. Prodr. Falk Real-Gymnas. Berlin, **95**: 25, t. 2 (1890).—G. N. Jones, Am. Sp. Amelanchier, 86, t. 3 (1946).  
*Amelanchier alnifolia* sensu Coville in Contrib. U. S. Nat. Herb. **4**: 97 (1893), p. p.  
*Amelanchier alnifolia* var. *utahensis* M. E. Jones in Proc. Calif. Acad. Sci. **5**: 679 (1895).  
*Amelanchier prunifolia* Greene in Pittonia, **4**: 21 (1899).—Schneider, Ill. Handb. Laubh. **1**: 740, fig. 413c-c', 414e-h (1906).  
*Amelanchier venulosa* Greene, l. c. (1899).  
*Amelanchier Bakeri* Greene in op. cit. **4**: 128 (1900).  
*Amelanchier rubescens* Greene in op. cit. **4**: 128 (1900).—Schneider, Ill. Handb. Laubh. **1**: 740, fig. 413a-a', 414a-b (1906).  
*Amelanchier crenata* Greene in op. cit. 127 (1900).  
*Amelanchier rubescens* var. *cinerea* Goodding in Bot. Gaz. **37**: 55 (1904).  
*Amelanchier elliptica* A. Nelson in Bot. Gaz. **40**: 66 (1905).  
*Amelanchier oreophila* A. Nelson in op. cit. 65 (1905).  
*Amelanchier mormonica* Schneider, Ill. Handb. Laubh. **1**: 740, fig. 414n-o (1906).  
*Amelanchier alnifolia* var. *elliptica* Schneider, op. cit. 739 (1906).  
*Amelanchier Jonesiana* Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 182 (1906).  
*Amelanchier Goldmanii* Wooten & Standley in Contrib. U. S. Nat. Herb. **16**: 131 (1912).  
*Amelanchier australis* Standley in Proc. Biol. Soc. Washington, **26**: 116 (1913).  
*Amelanchier Covillei* Standley in op. cit. **27**: 198 (1914).  
*Amelanchier Purpusii* Koehne in Bot. Jahrb. **52**: 278 (1915).  
*Amelanchier plurinervis* Koehne, l. c. (1915).  
*Amelanchier nitens* Tidestrom in Proc. Biol. Soc. Washington, **36**: 182 (1923).  
*Amelanchier alnifolia* var. *covillei* Jepson, Man. Fl. Pl. Calif. 510 (1925); Fl. Calif. **2**: 234 (1936).  
*Amelanchier alnifolia* var. *venulosa* Jepson, l. c. (1925).  
*Amelanchier alnifolia* var. *nitens* Munz in Bull. South. Calif. Acad. Sci. **31**: 65 (1932).  
*Amelanchier utahensis* subsp. *Covillei* Clokey in Madroño, **8**: 57 (1945).  
*Amelanchier utahensis* subsp. *oreophila* Clokey in op. cit. 58 (1945).
- PERAPHYLLUM** Nuttall in Torrey & Gray, Fl. N. Am. **1**: 474 (1840).—Bentham & Hooker f., Gen. Pl. **1**: 628 (1865), in nota.  
 TYPUS: *P. ramosissimum* Nutt.
- P. ramosissimum** Nuttall in Torrey & Gray, l. c. (1840).—Hooker f. in Bot. Mag. **121**: t. 7420 (1895).
- MALUS** Miller, Gard. Dict. abridg. ed. 4 (1754); Gard. Dict. ed. 8 (1768).—Decaisne, Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 153, t. 10, fig. 12 (Mém. Fam. Pomac.) (1874).—Britton & Brown, Ill. Fl. N. U. S. **2**: 234 (1897).  
*Pyrus* Linnaeus, Sp. Pl. 459 (1753); Gen. Pl. ed. 5, 214, no. 550 (1754); p. p.  
*Pyrus-Malus* Weston, Bot. Univ. **1**: 229 (1770).  
*Apiophorum* Necker, Elem. Bot. **2**: 72 (1790), p. p.  
*Pyrenia* [Clairville], Man. Herb. Suisse, 161 (1811), p. p.  
*Pyrus* sect. *Malus* De Candolle, Prodr. **2**: 635 (1825).—Focke, Nat. Pflanzenfam. III. **3**: 24 (1888) "*Pirus* subgen. *M.*"  
 TYPUS: *Pyrus Malus* L. = *Malus pumila* Mill.
- Sect. I. **EUMALUS** Zabel in Beissner et al., Handb. Laubh.-Ben. 185 (1903), nom. subnud.—Schneider, Ill. Handb. Laubh. **1**: 174 (1906).
- Ser. 1. **PUMILAE** (Rehd.) Rehder in Man. Cult. Trees Shrubs, ed. 2, 390 (1940).  
*Malus* sect. *Calycomeles* Koehne, Deutsche Dendr. 257 (1893), p. p.  
*Malus* sect. *Eumalus* subsect. *Pumilae* Rehder in Jour. Arnold Arb. **2**: 47 (1920).  
*Malus* sect. *Pumilae* ser. *Silvestres* et ser. *Prunifoliae* Juzepchuk in Komarov, Fl. S. S. S. R. **9**: 358, 366 (1939).
- M. pumila** Miller, Gard. Dict. ed. 8, *M.* no. 3 (1768).—Schneider, Ill. Handb. Laubh. **1**: 715, fig. 397c-h (1906).  
*Pyrus Malus* Linnaeus, Sp. Pl. 479 (1753).  
*Sorbus Malus* Crantz, Stirp. Austr. fasc. **2**: 57 (1763); ed. 2, **1**: 93 (1769).  
*Pyrus-Malus Malus* Weston, Bot. Univ. **1**: 229 (1770).  
*Malus dasyphylla* Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1271 (1803).—Koidzumi in Act. Phytotax. Geobot. **3**: 189 (1934).  
*Malus domestica* Borkhausen, op. cit. 1272 (1803).—Juzepchuk in Komarov Fl. S. S. S. R. **9**: 365 (1939).  
*Malus communis* Poirer, Encycl. Méth. Bot. **5**: 560 (1804).  
*Malus princeps* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., **5**: *M.* no. 42; t. 8, fasc. 2 [1807].  
*Malus canadensis* Poiteau & Turpin in op. cit. *M.* no. 35; t. 32, fasc. 6 [1807].  
*Malus aegra* Poiteau & Turpin in op. cit. *M.* no. 23; t. 41, fasc. 7 [1807?].  
*Malus nigra* Poiteau & Turpin in op. cit. *M.* no. 7; t. 44, fasc. 8 [1808].  
*Malus batavica* Poiteau & Turpin in op. cit. *M.* no. 43; t. 46, fasc. 8 [1808].  
*Malus gratissima* Poiteau & Turpin in op. cit. *M.* no. 41; t. 53, fasc. 9 [1808].  
*Malus canicularis* Poiteau & Turpin in op. cit. *M.* no. 38; t. 49, fasc. 9 [1808].  
*Malus calvilla alba* Poiteau & Turpin in op. cit. *M.* no. 21; t. 64, fasc. 11 [1808].  
*Malus anetica rubra* Poiteau & Turpin in op. cit. *M.* no. 11; t. 67, fasc. 12 [1808].  
*Malus punctata* Poiteau & Turpin in op. cit. *M.* no. 40; t. 72, fasc. 12 [1808].  
*Malus rhotomagensis* Poiteau & Turpin in op. cit. *M.* no. 28; t. 80, fasc. 14 (1) [1809?].  
*Malus calvilla rubra* Poiteau & Turpin in op. cit. *M.* no. 22; t. 87, fasc. 14 [1809].

**Malus pumila** (continued)

- Malus zonalis* Poiteau & Turpin in op. cit. *M.* no. 57; t. 96, fasc. 17 [1810].
- Malus vitrea* Poiteau & Turpin in op. cit. *M.* no. 54; t. 102, fasc. 18 [1810].
- Malus prasmila lutea, praecox* Poiteau & Turpin in op. cit. *M.* no. 39; t. 111, fasc. 19 [1810], sphalm. "*prosomila*"; cf. Corr. ad. fin. vol. — Poiteau, Pomol. Franç. 4: *M.* no. 39; p. 124, t. 111 (18[38–]46) "*prasmila lutea praecox*".
- Malus apiola* Poiteau & Turpin in op. cit., *M.* no. 3; t. 113, fasc. 19 [1810].
- Pyrenia Malus* [Clairville], Man. Herb. Suisse, 162 (1811).
- Malus anisata* Poiteau & Turpin in op. cit., *M.* no. 10; t. 151, fasc. 26, [181 ?].
- Malus parasomila* hort. ex Steudel, Nomencl. Bot. 671 (1821), pro syn.; sphalm. pro *prasmila*.
- Malus Elsholzii* Waitz in Annal. Obstkunde, 1,1: 31 (1821) "Bastard-calvillen".
- Pyrus Malus*  $\beta$ . *mitis* Wallroth, Sched. Crit. Fl. Hal. 1: 215 (1822). — Syme, Engl. Bot. ed. 3, 3: 256 (1864) "subsp."
- Malus Hamelii* Waitz in op. cit. 1,2: 173 (1824) "Calvillen".
- Malus Dielii* Waitz in op. cit. 2,1: 44 (1825) "Rosenäpfel".
- Malus leucophaeus* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 5: *M.* no. 36; t. 189, fasc. 32 [1826].
- Malus butigniana* Poiteau & Turpin in op. cit. *M.* no. 31; t. 190, fasc. 32 [1826]. — Poit. & Turp. ex Poiteau, Pomol. Franç. 4: *M.* no. 31; p. 54\*, t. 190 (18[38–]46) "*butigiana*".
- Malus passipoma* Poiteau & Turpin in op. cit. *M.* no. 29; t. 198, fasc. 33 [1826], sphalm. "*passipomum*". — Poiteau, Pomol. Franç. 4: *M.* no. 29; p. 25\*, t. 198 (18[36–]45).
- Malus columbina* Poiteau & Turpin in op. cit. *M.* no. 27; t. 193, fasc. 33 [1826].
- Malus prosomila augustiana* Poiteau & Turpin in op. cit. *M.* no. 37; t. 203, fasc. 33 [1826]. — Poiteau, Pomol. Franç. 4: *M.* no. 37; p. 179, t. 203 (18[38–]46) "*prosomila-augustiana*".
- Malus normalis* Poiteau & Turpin in op. cit. *M.* no. 15; t. 204, fasc. 34, [1826].
- Malus passipomum alba* Poiteau & Turpin in op. cit. *M.* no. 30; t. 215, fasc. 36 [1826].
- Malus Christii* Waitz in Annal. Obstkunde, 2,2: 182 (1827) "Schlotteräpfel".
- Malus robertiana* Poiteau & Turpin in op. cit. *M.* no. 19; t. 232, fasc. 39 [1827].
- Malus roris* Poiteau & Turpin in op. cit. *M.* no. 16; t. 234, fasc. 39 [1827].
- Malus atrorubra* Poiteau & Turpin in op. cit. *M.* no. 24; t. 240, fasc. 40? [1827].
- Malus guttata* Poiteau & Turpin in op. cit. *M.* no. 17; t. 241, fasc. 41? [1827].
- Malus marmorea* Poiteau & Turpin in op. cit. *M.* no. 55; t. 245, fasc. 41 [1827].
- Malus pustulifera* Poiteau & Turpin in op. cit. *M.* no. 18; t. 255, fasc. 43 [1827].
- Malus vesparum* Poiteau & Turpin in op. cit. *M.* no. 12; t. 256, fasc. 43 [1827].
- Pirus Malus* a. *costata*, b. *striato-fasciata* (p. 47), c. *rosea*, d. *regia* (p. 48), e. *conica* (p. 50), f. *plana* Dierbach in Mag. Pharm. 20: 46–50 (Uebers. Heidelb. Wildw. Pf.) (1827).
- Malus capucini* Poiteau & Turpin in op. cit. *M.* no. 8; t. 261, fasc. 44 [1828].
- Malus illecebrosa* Poiteau & Turpin in op. cit. *M.* no. 13; t. 278, fasc. 47? [1828].
- Malus ambigua* in Poiteau & Turpin in op. cit. *M.* no. 20; t. 281, fasc. 47 [1828].
- Malus pseudocalvilla* Poiteau & Turpin in op. cit. *M.* no. 14; t. 284, fasc. 48 [1829].
- Malus caroli* Poiteau & Turpin in op. cit. *M.* no. 32; t. 295, fasc. 50 [1829].
- Malus Rambura aestivalis* Poiteau & Turpin in op. cit. *M.* no. 50; t. 301, fasc. 51 [1829].
- Malus oleosa* Poiteau & Turpin in op. cit. *M.* no. 52, t. 310, fasc. 52 [1829].
- Malus cerea* Poiteau & Turpin in op. cit. *M.* no. 56, t. 324, fasc. 54 [1829].
- Malus columbella* Poiteau & Turpin in op. cit. *M.* no. 25, p. 336, t. 338 fasc. 57 [1829]. — Poiteau, Pomol. Franç. 4: *M.* no. 25; p. 30, t. 338 (18[38–]46) "*Colombella*".
- Malus columbella alba* Poiteau & Turpin in op. cit. *M.* no. 26; p. 337, t. 339, fasc. 57 [1829].
- Malus anglica* Poiteau & Turpin in op. cit. *M.* no. 46; t. 380, fasc. 64 [1830].
- Malus americana* Poiteau & Turpin in op. cit. *M.* no. 47; t. 386, fasc. 65 [1830].
- Malus castanea* Poiteau & Turpin in op. cit. *M.* no. 49; t. 400, fasc. 67 [1833].
- Malus montalivetia* Poiteau & Turpin in op. cit. *M.* no. 53; t. 402, fasc. 67 [1833].
- Malus gratiae-portus* Poiteau & Turpin in op. cit. *M.* no. 51; t. 409, fasc. 69 [1835].
- Malus violacea Eyriesii* Poiteau & Turpin in op. cit. *M.* no. 44; t. 410 fasc. 69 [1835], sphalm. "*violaceus Ayriesii*". — Poiteau, Pomol. Franç. 4: *M.* no. 44; p. 203, t. (18[38–]46).
- Malus josephinia* Poiteau & Turpin in op. cit. *M.* no. 48; p. 423, t. fasc. 71? [1835?].
- Malus spumosa* Poiteau & Turpin in op. cit. *M.* no. 9; t. 262, fasc. 44 [1828], nom. latin. cf. "Table" ad fin. vol. (1835).
- Pyrus Malus*  $\beta$ . *tomentosa* Koch, Syn. Fl. Germ. Helv. 235 (1837). •
- Malus britannica* Poiteau, Pomol. Franç. 4: *M.* no. 34; p. 102, t. "Reinette de Bretagne" (18[38–]46).
- Malus santonium*, fig. 88 (p. 428), *M. turbinoides*, fig. 89 (p. 429), *M. cylindracea*, fig. 90, *M. livida*, fig. 91 (p. 430), *M. Beauvaisiensis*, fig. 92, *M. discoidea*, fig. 93 (p. 431), *M. viridis*, fig. 94, *M. microcarpa*, fig. 95 (p. 432), *M. glabra*, fig. 96, A. Savatier in Compt. Rend. Assoc. Franç. Avanc. Sci. 11(Rochelle, 1882): 428–432 (1883).
- Malus communis*  $\beta$ . *typica* Beck, Fl. Nied.-Öster. 716 (1892).
- Malus paradisiaca a. dasyphylla* Koehne, Deutsche Dendr. 259 (1893).
- Malus Malus* Britton in Britton & Brown, Ill. N. U. S. 2: 236, fig. 1982 (1897).
- Malus emetica* Durand & Jackson in Index Kew. Suppl. 1: 481 (1906), sphalm. pro *M. anetica*; pro syn.
- Malus pumila* var. *domestica* Schneider, Ill. Handb. Laubh. 1: 715, fig. 396 (1906).
- Pirus Malus* subsp. *P. pumila* b. i. *dasyphylla* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 77 (1906).
- Pirus Malus* subsp. *P. pumila* b. ii. *domestica* Ascherson & Graebner, l. c. (1906).
- Pyrus Malus* var. *pumila* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 6: 1570 (1912).
- Malus dasyphylla* var. *domestica* Koidzumi in Acta Phytotax. Geobot. 3: 189 (1934).

- Malus silvestris* subsp. *mitis* Mansfeld in Repert. Spec. Nov. Reg. Veg. **49**: 45 (1940).
- M. pumila** f. *apetala* (Münchh.) Schneider, Ill. Handb. Laubh. **1**: 716 (1906).  
*Pyrus apetala* Münchhausen, Hausvater, **5**: 247 (1770).  
*Pyrus dioeca* Moench, Verz. Ausl. Bäume Weissenst. **87** (1785).  
*Malus apetala* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. **5**: M. no. 45; t. 28, fasc. 5 [1807].  
*Malus dioeca* Loiseleur in Duhamel, Traité Arb. Arbust. Cult. France, éd. augm. [Nouv. Duhamel] **6**: 171, t. 44 (1815).  
*Malus dasyphylla* (f.) *dioeca* Zabel, Handb. Laubh.-Ben. **185** (1903).  
*Pirus pumila* monstr. *apetala* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 78 (1906).—Henry in Elwes & Henry, Trees Gt. Brit. Irel. **6**: 1571 (1912) "*Pyrus p.* var. *a.*"  
*Pyrus Malus* var. *apetala* Bailey, Stand. Cycl. Hort. **5**: 2871 (1916).  
*Malus sylvestris* var. *apetala* Bailey, Hortus Sec. 457 (1941).
- M. pumila** f. *plena* (West.), grad. nov.  
*Pyrus-Malus Malus* s. *plena* Weston, Bot. Univ. **1**: 230 (1770).  
*Pirus Malus* var. *translucens* Hartwig, Ill. Gehölzb. ed. 2, 266 (1892).—Voss, Vilmor. Blumengärt. **1**: 276 (1894) "f."  
*Pirus pumila* lus. *translucens* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 78 (1906).  
*Malus pumila* f. *translucens* Schneider, Ill. Handb. Laubh. **1**: 716 (1906).  
*Pyrus Malus* var. *plena* Hort. ex Bailey, Stand. Cycl. Hort. **5**: 2871 (1916).  
*Malus pumila* var. *plena* [Bean in] Kew Hand-list Trees Shrubs, ed. 4, 181 (1934), nom.
- M. pumila** f. *pendula* (R. Müller) Schneider, Ill. Handb. Laubh. **1**: 716 (1906).  
*Pirus Malus pendula* "Elise Rathke" R. Müller in Garten-Zeit. **3**: 402 fig. 123 (1884).  
*Malus dasyphylla* (f.) *pendula* Zabel in Beissner et al., Handb. Laubh.-Ben. **186** (1903).  
*Pirus pumila* lus. *pendula* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 78 (1906).  
*Pyrus Malus* var. *pendula* Hort. ex Bailey, Stand. Cycl. Hort. **5**: 2871 (1916).
- M. pumila** var. *paradisiaca* (Medic.) Schneider, Ill. Handb. Laubh. **1**: 715 (1906).  
*Pyrus Malus* β. *paradisiaca* Linnaeus, Sp. Pl. 479 (1753).  
*Pyrus-Malus paradisiaca* Weston, Bot. Univ. **1**: 230 (1770).  
*Pyrus praecox* Pallas, Fl. Ross. **1**: 22 (1784).  
*Malus paradisiaca* Medicus, Gesch. Bot. **78** (1793).—Koehne, Deutsche Dendr. **259** (1893), sens. lato.  
*?Malus nana* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., **5**: M. no. 2; t. 375, fasc. 63 [1830].  
*Malus praecox* Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1271 (1803).—Iuzepchuk in Komarov, Fl. S. S. S. R. **9**: 360, t. 22, fig. 1 (1939).  
*Pirus Malus* β. *fruticosa* Dierbach in Mag. Pharm. **20**: 45 (Uebers. Heidelb. Wildw. Pfl.) (1827).  
*Pyrus Sieversii* Ledebour, Fl. Alt. **2**: 222 (1830).  
*Malus Sieversii* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 216 (1847).—Iuzepchuk in Komarov, Fl. S. S. S. R. **9**: 363, t. 22, fig. 3 (1939).  
*Malus tatarica* Hort. ex K. Koch, Dendr. **1**: 204 (1869), pro syn.
- Malus paradisiaca* β. *pumila* Koehne, Deutsche Dendr. **259** (1893).  
*Malus communis* 2. *paradisiaca* a. *Sieversii* Dippel, Handb. Laubh. **3**: 397 (1893).  
*Malus pumila* var. *praecox* Schneider, Ill. Handb. Laubh. **1**: 715 (1906).  
*Malus pumila* var. *paradisiaca* Schneider, l. c. (1906), p. p.  
*Pirus pumila* A. II. *Sieversii* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 76 (1906).  
*Malus sylvestris* var. *paradisiaca* Bailey, Hortus Sec. 457 (1941).
- M. pumila** var. *Niedzwetzkyana* (Dieck) Schneider, Ill. Handb. Laubh. **1**: 716 (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 178 (1906).  
*Malus Niedzwetzkyana* Dieck, Neuheit.-Off. Zöschchen, **1891**: 16 (1891).—Koehne, Deutsche Dendr. **259** (1893).—Nash in Addisonia, **6**: 23, t. 204 (1921).—Iuzepchuk in Komarov, Fl. S. S. S. R. **9**: 364 (1939).  
*Malus Medwietzkyana* Dieck ex Goeze in Gard. Chron. ser. 3, **9**: 461 (1891), sphalm.  
*Pyrus Niedzwetzkyana* Hemsley in Bot. Mag. **130**: t. 7975 (1904).  
*Pirus pumila* B. II. b. *Niedzwetzkyana* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 78 (1906).—Bailey, Stand. Cycl. Hort. **5**: 2871 (1916) "*Pyrus p.* var. *N.*"  
*Pyrus Malus* var. *Niedzwetzkyana* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **6**: 1571 (1912).  
*Malus sylvestris* var. *Niedzwetzkyana* Bailey, Hortus Sec. 457 (1941).
- M. astracanica** [*M. prunifolia* × *pumila*] Hort. ex Dumont de Courset, Bot. Cult. ed. 2, **5**: 429 (1811).—Schneider, Ill. Handb. Laubh. **1**: 717 (1906).  
*?Malus sibirica* Borkhausen in Arch. für Bot. (Roemer) **1,3**: 89 (1798).  
*?Malus hybrida* Desfontaines, Hist. Arb. Arbriss. **2**: 141 (1809).  
*?Pyrus hybrida* (Desf.) Steudel, Nomencl. Bot. **670** (1821).  
*Pyrus astracanica* De Candolle, Prodr. **2**: 635 (1825).—Loudon, Arb. Brit. **2**: 893 (1838).  
*?Malus Fontanesiana* Spach, Hist. Nat. Vég. Phan. **2**: 150 (1834).  
*Pirus baccata* × *pumila* A. *Astracanica* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 82 (1906), p. p.  
*Pirus malus* × *prunifolia* (*P. cognatus*) Ascherson & Graebner, op. cit. **81** (1906).  
*Pyrus Malus* var. *astracanica* Loudon ex Bailey, Stand. Cycl. Hort. **5**: 2870 (1916).  
*Malus sylvestris* var. *astracanica* Bailey, Hortus Sec. 457 (1941).
- M. purpurea** (*M. atrosanguinea* × *pumila* Niedzwetzkyana) (Barbier) Rehder in Jour. Arnold Arb. **2**: 57 (1920).  
*Malus floribunda purpurea* Barbier & Cie., Nurs. Trade List, **1910-11**: 86 (1910).—Anon. ex Rev. Hort., n. sér. **10**: 539 (1910).  
*Pyrus Malus floribunda purpurea* R. N. Notcutt in Garden, **77**: 220 (1914).  
*Pyrus floribunda* × *Niedzwetzkyana* Anon. in Gard. Chron. ser. 3, **62**: 221, fig. 84 (1917).  
*Pyrus purpurea* [Wolley] in Garden, **85**: 204, fig. (1921).—Chittenden in Jour. Hort. Soc. Lond. **48**: 229 (1923).—Hillier ex Bean, Trees Shrubs Brit. Isl. **3**: 327, t. (1933).  
*Pyrus Malus purpurea* hort. ex Chittenden, l. c. (1923), pro syn.

**Malus purpurea** (continued)

**M. purpurea** f. *pendula* (Bean) Rehder in Jour. Arnold Arb. **28**: 254 (1947).

*Pyrus purpurea* var. *pendula* Bean, Trees Shrubs Brit. Isl. **3**: 327 (1933).

**M. purpurea** f. *Eleyi* (Bean), grad. nov.

*Pyrus Eleyi* Bean in Gard. Chron. ser. 3, **68**: 85, fig. 37 (1920); Trees Shrubs Brit. Isl. **3**: 321, t. (1933).

*Malus Eleyi* Hesse, Preis-liste, **1925/26**: 95 (1925).—Hort. ex Pollanetz in Möller's Deutsch. Gärt.-Zeit. **48**: 242 (1933); **49**: 319 (1934).

*Malus purpurea* var. *Eleyi* Rehder in Jour. Arnold Arb. **7**: 27 (1926).

*Malus sylvestris* var. *Eleyi* Bailey, Hortus Sec. 457 (1941).

**M. purpurea** f. *aldenhamensis* (Rehd.), grad. nov.

*Pyrus Malus aldenhamensis* Gibbs in Gard. Chron. ser. 3, **72**: 110 (1922), nom.

*Malus purpurea* var. *aldenhamensis* Rehder in Jour. Arnold Arb. **7**: 27 (1926, March).

*Malus floribunda* Aldenhamensis Lamproy in Rev. Hort. n. sér. **20**: 279, fig. 113, t. (1926, Nov.).

*Malus sylvestris* var. *aldenhamensis* Bailey, Hortus Sec. 457 (1941).

**M. purpurea** f. *Lemoinei* (Lemoine) Rehder in Jour. Arnold Arb. **20**: 96 (1839).

*Malus floribunda* Lemoinei Lemoine [Cat.] no. **196**: 11 (1922).

*Pyrus Lemoinei* R. C. Notcutt ex Gard. Chron. ser. 3, **83**: 343, fig. 165 (1928).—Anon. in Jour. Roy. Hort. Soc. Lond. **66**: 398, fig. 127 (1941).

*Malus sylvestris* var. *Lemoinei* Bailey, Hortus Sec. 457 (1941).

**M. sylvestris** (L.) Miller, Gard. Dict. ed. 8, *M.* no. 1 (1768).—Schneider, Ill. Handb. Laubh. **1**: 715, fig. 397a-b (1906).—Mansfield in Repert. Spec. Nov. Reg. Veg. **49**: 45 (1940).

*Pyrus Malus* [a.] *sylvestris* Linnaeus, Sp. Pl. 479 (1753).

*Malus acerba* Méral, Fl. Envir. Paris, 187 (1812).

*Pyrus sylvestris* S. F. Gray, Nat. Arr. Brit. Pl. **2**: 562 (1821).

*Pyrus Malus a. austera* Wallroth, Sched. Crit. Fl. Hal. **215** (1822).

*Pyrus acerba* De Candolle, Prodr. **2**: 635 (1825).

*Pyrus Malus a. glabra* Koch, Syn. Fl. Germ. Helv. **235** (1837).

*Pyrus Malus a. acerba* Ascherson, Fl. Prov. Brandenb. **1**: 207 (1860).

*Malus communis a. austera* Wenzig in Jahrb. Bot. Gart. Berlin, **2**: 291 (1883).

*Malus communis* var. *sylvestris* Beck, Fl. Nieder-Öster. **750** (1890).

*Malus sylvestris* var. *typica* et var. *hortulana* Schneider, Ill. Handb. Laubh. **1**: 715 (1906).

*Pirus Malus* (subsp.) *A. P. silvestris* Ascherson & Graebner, Syn. Mitteleur. Fl. **6.2**: 75 (1906).

*Malus silvestris* subsp. *acerba* Mansfield in Repert. Sp. Nov. Reg. Veg. **49**: 45 (1940).

**M. prunifolia** (Willd.) Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1278 (1803).—Rehder in Sargent, Pl. Wilson. **2**: 288 (1915).—Koidzumi in Acta Phytotax. Geobot. **3**: 192 (1934), p. p.

*Pyrus Malus* β. Aiton, Hort. Kew. **2**: 175 (1789).

*Pyrus prunifolia* Willdenow, Phytogr. **8** (1794); Sp. Pl. **2.2**: 1018 [1800].

?*Malus hybrida* Desfontaines, Hist. Arb. Arbriss. **2**: 141 (1809).

*Malus hybrida* Loiseleur in Duhamel, Traité Arb. Arbust. Cult. France, éd. augm. [Nouv. Duhamel] **6**: 140, t. 42, fig. 1 [1815].—Poiteau & Turpin, Traité Arb. Fruit. nouv. éd., **5**: *M.* no. 1; p. 211, t. 211 (fr.), fasc. 36? [1826?].—Poiteau, Pomol. Franç. **4**: *M.* no. 1; p. 95, t. 211 (fl.) (18[38–]46).

**M. prunifolia** var. *Rinki* (Koidz.) Rehder in Sargent, Pl. Wilson. **2**: 279 (1915).

*Pyrus Malus* sensu Siebold in Verh. Bataav. Genoot. Kunst. Wetensch. **12.1**: 66 (Syn. Pl. Oecon.), nom.—Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 101 (Enum. Pl. Chin. Bor. 27. 1833) (1835).—Non Linnaeus (1753).

*Malus Ringo* Siebold, Cat. Raison. **1856**: 5 (1856); **1863**: 35 (1863); nom.—Carrière in Rev. Hort. **1874**: 170 (1874).—Koidzumi in Act. Phytotax. Geobot. **3**: 191 (1934).

*Pyrus praecox* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 40 (1867), non Pallas (1784).

*Pyrus Malus* β. *tomentosa* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 170 (in Mém. Biol. **9**: 165) (1873), non Koch (1837).

?*Pirus Malus* γ. *sinensis* Wenzig in Linnaea, **38**: 34 (1874), exclud. syn.

*Pyrus Ringo* Wenzig in Linnaea, **38**: 37 (1874) "*Pirus*".—Stapf in Bot. Mag. **135**: t. 8265 (1909).

*Malus microcarpa Ringo* Carrière, Ét. Pomm. Microcarp. **98** (1883), p. p.

*Malus Matsumurae* Koidzumi in Bot. Mag. Tokyo, **23**: 172 (1909); in Act. Phytotax. Geobot. **3**: 192 (1934) "*Matsumurai*", pro syn.

*Malus pumila* var. *Rinki* Koidzumi in Jour. Coll. Sci. Tokyo, **34.2**: 87 (Consp. Rosac. Jap.) (1913).

*Malus yezoensis* Koidzumi in op. cit. **89** (1913).

*Malus asiatica* Nakai in Matsumura, Icon. Pl. Koisik. **3**: t. 155 (1915); Fl. Sylv. Kor. **6**: 40, t. 14 (1916).

*Malus dulcissima* var. *Rinki* Koidzumi in Bot. Mag. Tokyo, **30**: 330 (1916).

*Pyrus Matsumurae* Cardot in Bull. Mus. Hist. Nat. Paris, **24**: 67 (1918).

*Malus asiatica* var. *rinki* Asami, Crabappl. Nect. Jap. **6**, fig. 3, 4, 7, t. 3, 37 (1927).

*Malus dulcissima* var. *asiatica* Koidzumi in Act. Phytotax. Geobot. **3**: 190 (1934).

**M. prunifolia** f. *fastigiata* Rehder in Jour. Arnold Arb. **7**: 26 (1926) "var. *rinki* f. f."

**M. prunifolia** f. *pendula* (Neubert) Rehder in op. cit. **20**: 96 (1939).

*Pyrus prunifolia* var. *pendula* [Neubert] in Deutsch. Mag. Gart.-Blumenk. **1874**: 79 (1874).—Bean, Trees Shrubs Brit. Isl. **2**: 291 (1914).

**M. spectabilis** (Ait.) Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1279 (1803).—Rehder in Sargent, Pl. Wilson. **2**: 289 (1915).

*Pyrus spectabilis* Aiton, Hort. Kew. **2**: 175 (1789).—Bailey, Cycl. Am. Hort. **[3]**: 1473, fig. 2026 (1901).—Makino in Bot. Mag. Tokyo, **20**: 80 (1906), p. p.

*Malus microcarpa spectabilis* Carrière, Ét. Pomm. Microcarp. **114** (1883).

*Pyrus sinensis* Dumont de Courset ex Jackson in Ind. Kew. **2**: 669 (1895), pro syn.—Ascherson & Graebner, Syn. Mitteleur. Fl. **6.2**: 79 (1906), pro syn.—Non *Malus s.* Dumont de Courset (1811).

**M. spectabilis** f. *Riversii* (Kirchn.), grad. nov.

*Pirus spectabilis* 2. *Riversii* Booth Cat. ex Kirchner in Petzold & Kirchner, Arb. Muscav. **326** (1864).

- Pyrus spectabilis roseo-plena* T. Moore in Florist & Pomol. 1872: 25, t. (1872).
- Malus spectabilis* f. *roseiplena* Schelle in Mitt. Deutsch. Dendr. Ges. 1915(24): 191 [1916].
- Malus spectabilis Riversii* [Nash] in Jour. New York Bot. Gard. 19: 195 (1918).
- M. spectabilis** f. *albiplena* Schelle, l. c. [1916].
- M. magdeburgensis** [*M. pumila* × *spectabilis*] Hartwig in Mitt. Deutsch. Dendr. Ges. 1907(16): 269 [1908] "*dasyphylla* × *spectabilis*"; nom. subnud. — Zimmermann in Möller's Deutsch. Gärt.-Zeit. 20: 254, fig. (1905), nom. subnud. — Schoch ex Rehder, Man. Cult. Trees Shrubs, 394 (1927).
- Malus paradisiaca* × *spectabilis* Koehne, Deutsche Dendr. 259 (1893).
- Malus spectabilis* × *dasyphylla* Saint-Paul in Mitt. Deutsch. Dendr. Ges. 1898(7): 61 (1898), nom.
- Malus herrenkrugensis* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 186 (1903), pro syn.
- M. micromalus** [*M. baccata* × *spectabilis*] Makino in Bot. Mag. Tokyo, 22: 69 (1908). — Rehder in Sargent, Pl. Wilson. 2: 290 (1915). — Nakai, Fl. Sylv. Kor. 6: 39, t. 13 (1916). — Koidzumi in Act. Phytotax. Geobot. 3: 192 (1934).
- Malus spectabilis* var. *Kaido* Siebold, Cat. Raison. 1856: 5 (1856), nom.
- Pyrus spectabilis* 3. *Kaido* Kirchner in Petzold & Kirchner, Arb. Muscav. 326 (1864), nom. — Nicholson, Ill. Dict. Gard. 3: 261 [1886]. — Voss, Vilmor. Blumen-gärt. 1: 276 (1894) "f."
- Malus microcarpa Kaido* Carrière, Ét. Pomm. Microcarp. 70 (1883).
- Pyrus Ringo* β. *Kaido*, Wenzig in Linnaea, 38: 37 (1874).
- Pyrus Kaido* Mouillefert, Traité Arb. Arbriss. 1: 524 (1893).
- Malus Kaido* Pardé, Arbor. Nat. Barres, 189 (1906). — Koidzumi in Bot. Mag. Tokyo, 30: 329 (1916). — Non Dippel (1893).
- Malus spectabilis* var. *micromalus* Koidz. in sched. ex Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 89 (1913), pro syn.
- Pyrus micromalus* Bailey in Rhodora, 18: 155 (1916). — Cardot in Bull. Mus. Hist. Nat. Paris, 24: 67 (1918).
- Ser. 2. BACCATAE (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 390 (1940).
- Malus* sect. *Gymnomeles* Koehne, Deutsche Dendr. 257 (1893), p. p.
- Malus* sect. *Eumalus* subsect. *Baccatae* Rehder in Jour. Arnold Arb. 2: 47 (1920).
- M. baccata** Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1280 (1803). — Rehder in Sargent, Pl. Wilson. 2: 291 (1915).
- Pyrus baccata* Linnaeus, Mant. Pl. 75 (1767). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 170 (in Mém. Biol. 9: 166) (1873). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 70 (1906).
- Malus rossica* Medicus, Gesch. Bot. 78 (1793).
- Malus sibirica* Borkhausen in Arch. für Bot. (Roemer) 1,3: 89 (1798). — (Maxim.) Komarov & Klobukova-Alisova, Key Pl. Far-East. Reg. 2: 638 (1932).
- Malus baccata* var. *leiostyla* Ruprecht & Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 132 (1857).
- Pyrus baccata* a. *genuina* Regel in Gartenfl. 11: 202 (1862).
- Pyrus microcarpa* Wendland ex K. Koch, Dendr. 1: 211 (1869), pro syn.; non De Candolle (1825).
- Pyrus baccata* a. *sibirica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 170 (in Mém. Biol. 9: 166) (1873).
- Malus microcarpa baccata* Carrière, Ét. Pomm. Microcarp. 68 (1883).
- Malus baccata* var. *sibirica* Schneider, Ill. Handb. Laubh. 1: 720 (1906).
- Malus Pallasiana* Iuzepchuk in Komarov, Fl. S. S. S. R. 9: 370, t. 22, fig. 4 (1939).
- M. baccata** f. *gracilis* Rehder in Jour. Arnold Arb. 2: 49 (1920); Man. Cult. Trees Shrubs, 394 (1927).
- M. baccata** f. *Jackii* Rehder in Sargent, Pl. Wilson. 2: 291 (1915).
- M. baccata** var. *mandshurica* (Maxim.) Schneider, Ill. Handb. Laubh. 1: 721, fig. 397n (1906) "*mandschurica*."
- Pyrus baccata* sensu Watson, Dendr. Brit. 2: t. 51 (1825), non Linnaeus (1767).
- Malus cerasifera* Spach, Hist. Nat. Vég. Phan. 2: 152, t. 10, fig. o-r (1834).
- Pyrus prunifolia* sensu Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 471 (Prim. Fl. Amur.) (1859), non Willdenow (1794).
- Pyrus baccata* β. *mandshurica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 170 (in Mém. Biol. 9: 166) (1873).
- Malus baccata* var. *mandshurica* f. *latifolia* Matsumura, Ind. Pl. Jap. 2,2: 202 (1912), nom. — Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 84 (Consp. Rosac. Jap.) (1913).
- Malus manshurica* Komarov, Tipi Rastit. Iuzhno-Ussur. Kraia, 93 (1917), nom. — Iuzepchuk in Komarov, Fl. S. S. S. R. 9: 371, t. 22, fig. 5 (1939).
- Malus manshurica* var. *genuina* Skvortzov in Bull. Jard. Bot. Rep. Russe, 24: 146 (1925); in Lingnan Sci. Jour. 5: 345, t. 27 (1928).
- M. baccata** var. *himalaica* (Maxim.) Schneider, Ill. Handb. Laubh. 1: 721 (1906), exclud. pl. chin. et fig.
- Pyrus baccata* sensu Brandis, Forest Fl. Ind. 205 (1874). — Hooker, f., Fl. Brit. Ind. 2: 373 (1878). — Non Linnaeus (1753).
- Pyrus baccata* γ. *himalaica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 170 (Diagn. Pl. Nov. Jap. Mandsh. Dec. 15) (in Mém. Biol. 9: 167) (1873).
- M. baccata** f. *columnaris* Rehder in Jour. Arnold Arb. 21: 276 (1940).
- M. robusta** [*M. baccata* × *prunifolia*] (Carr.) Rehder in Jour. Arnold Arb. 2: 54 (1920). — Skvortzov in China Jour. Sci. Arts, 17: 87, fig. 6-8 (1932).
- ?*Pyrus baccata* var. *cerasifera* Regel in Gartenfl. 11: 202, t. 364, fig. 1, 6 (1862), var. *cerasiformis* in tab.
- Pyrus cerasifera* sensu Wenzig in Linnaea, 38: 45 (1874), non Tausch (1838).
- Pyrus cerasifera* var. *hyemalis* Wenzig, l. c. (1874).
- Malus microcarpa robusta* Carrière, Ét. Pomm. Microcarp. 76 (1883).
- Malus microcarpa turbinata* (p. 71), *m. cerasiformis* (p. 72), *m. jucunda* (p. 81), *m. macrantha* (p. 94), *m. kermesina* (p. 87, fig. 15) Carrière in op. cit. (1883).
- Malus baccata* × *prunifolia* Koehne, Deutsche Dendr. 360 (1893), p. p.
- Malus cerasifera* sensu Zabel in Beissner et al., Handb. Laubh.-Ben. 187 (1903), p. p.; non Spach (1834).
- Pyrus baccata* × *pumila* v. *cerasifera* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 82 (1906), p. p.
- Pyrus prunifolia* var. *robusta* Bailey in Gent. Herb. 1: 134 (1923).

**Malus** (continued)

**M. robusta** f. *erecta* Rehder in Jour. Arnold Arb. 2: 55 (1920).

**M. robusta** var. *persicifolia* Rehder, l. c. (1920).

**M. adstringens** [*M. baccata* × *pumila*] Zabel in Beissner et al., Handb. Laubh.-Ben. 187 (1903) "*M. baccata* × *dasyphylla*"; nom. subnud. — Rehder in Jour. Arnold Arb. 2: 55 (1920); Man. Cult. Trees Shrubs, ed. 2, 393 (1940). — Skvortzov in China Jour. Sci. Arts, 17: 88, fig. 10 (1932).

*Pyrus prunifolia* sensu Bailey, Cycl. Am. Hort. [3]: 1472 (1901), non Willdenow (1794).

*Pirus baccata* × *pumila* A. Astracanica Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 82 (1906), p. p.

?*Malus transcendens* Hort. [ex Nash] in Jour. New York Bot. Gard. 19: 195 (1918), nom. — Hort. ex Bailey, Hortus Sec. 458 (1941), pro syn.

**M. sikkimensis** (Wenzig) Koehne ex Schneider, Ill. Handb. Laubh. 1: 719, fig. 398n, 404a (1906).

*Malus pashia* β. *sikkimensis* Wenzig in Linnaea, 38: 49 (1874).

*Pyrus sikkimensis* Hooker f., Fl. Brit. Ind. 2: 373 (1878).

**M. Rockii** Rehder in Jour. Arnold Arb. 14: 206 (1933).

**M. hupehensis** (Pamp.) Rehder, l. c. (1933). — Sealy in Bot. Mag. 164: t. 9667, fig. [p. 3] (1946).

*Pyrus baccata* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 255 (1886), quoad pl. e Chekiang. — Diels in Bot. Jahrb. 29: 387 (1900). — Non Linnaeus (1753).

*Pyrus spectabilis* sensu Hemsley in op. cit. 258 (1886), quoad pl. e Kiangsi et Hupeh. — Diels, l. c. (1900). — Non Aiton (1789).

*Malus baccata* var. *himalaica* Schneider, Ill. Handb. Laubh. 1: 721, fig. 397s (1906), quoad pl. chin. et fig.; non *Pyrus b.* var. *h.* Maximowicz (1873).

*Pirus communis* sensu Pavolini in Nuov. Giorn. Bot. Ital. n. ser. 15: 415 (1908), non Linnaeus (1753).

*Pirus hupehensis* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 291 (1910). — Rehder in Sargent, Pl. Wilson. 2: 265, 300 (1915) "spec. dub."

*Malus theifera* Rehder in Sargent, Pl. Wilson. 2: 283 (1915); Man. Cult. Trees Shrubs, 395 (1927). — Hu & Chun, Icon. Pl. Sin. 1: 32, t. (1927).

*Pyrus theifera* Bailey in Rhodora, 18: 155 (1916).

**M. hupehensis** f. *rosea* (Rehd.) Rehder in Jour. Arnold Arb. 14: 208 (1933).

*Malus theifera* f. *rosea* Rehder in Sargent, Pl. Wilson. 2: 284 (1915); Man. Cult. Trees Shrubs, 395 (1927) "var."

*Pyrus theifera* var. *rosea* Bailey in Rhodora, 18: 155 (1916).

**M. Halliana** Koehne, Gatt. Pomac. 27 (1890); Deutsche Dendr. 261 (1893). — Schneider, Ill. Handb. Laubh. 1: 719, fig. 397o, 398e-f (1906). — Rehder in Sargent, Pl. Wilson. 2: 285 (1915).

*Malus Halliana* Anon. in Garden, 22: 162 (1882), nom.

*Pyrus Halliana* Hort. ex Sargent in Gard. & For. 1: 152 (1888), pro syn.

*Pirus Halliana* Voss, Vilmor. Blumengärt. 1: 277 [1894].

*Pyrus spectabilis* sensu Tanaka, Useful Pl. Jap. 156, fig. 634 (1895), non Aiton (1789).

*Malus floribunda* var. *Parkmanii* Koidzumi in Bot. Mag. Tokyo, 25: 76 (1911); in Jour. Coll. Sci. Tokyo, 34,2: 83 (Consp. Rosac. Jap.) (1913) "f."

**M. Halliana** f. *Parkmanii* (Temple) Rehder in Sargent, Pl. Wilson. 2: 286 (1915); Man. Cult. Trees Shrubs, 395 (1927) "var."

*Pyrus Malus Parkmanii* Temple in Gard. Monthly (Meehan), 29: 35 (1887).

*Pyrus Parkmanii* Hort. ex Sargent in Gard. & For. 1: 152 (1888), pro syn.

*Pyrus Halliana* var. *Parkmanii*, Bailey in Rhodora, 18: 154 (1916).

**M. Halliana** var. *spontanea* (Mak.) Koidzumi in Bot. Mag. Tokyo, 24: 67 (1910). — Rehder in Jour. Arnold Arb. 7: 25 (1926). — Asami, Crabappl. Nectarin. Jap. 28, fig. 17-19, t. 4, 40d (1927).

*Malus floribunda* var. *spontanea* Makino in Bot. Mag. Tokyo, 24: 67 (1910).

*Malus spontanea* Makino in op. cit. 28: 295 (1914).

**M. atrosanguinea** (*M. Halliana* × *Sieboldii*) [Späth] Schneider, Ill. Handb. Laubh. 1: 720 (1906). — Rehder, Man. Cult. Trees Shrubs, 395 (1927).

*Pyrus (Malus) floribunda* f. *atrosanguinea* Hort. ex Späth in Gartenfl. 47: 145 (1898).

*Pirus atrosanguinea* (*Halliana* × *rivularis* Koehne hb.) Späth, Kat. 118: 104 (1905). — Bailey, Stand. Cycl. Hort. 5: 2875 (1916) "*Pyrus*".

*Malus floribunda* var. *atrosanguinea* Bean, Trees Shrubs Brit. Isl. 2: 283 (1914).

**M. Hartwigi** (*M. baccata* × *Halliana*) Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 60 [1907]; in Repert. Sp. Nov. Reg. Veg. 6: 337 (1909).

Sect. II. SORBOMALUS Zabel in Beissner et al., Handb. Laubh.-Ben. 189 (1906), nom. subnud. — Schneider, Ill. Handb. Laubh. 1: 721 (1906).

*Malus* sect. *Gymnomeles* Koehne, Deutsche Dendr. 257 (1893), p. p.

Ser. 3. SIEBOLDIANAE (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 390 (1940).

*Malus* sect. *Sorbomalus* subsect. *Sieboldianae* Rehder in Jour. Arnold Arb. 2: 48 (1920).

**M. floribunda** Van Houtte in Fl. des Serr. 15: 161, t. 1585-89 (1864), sine descr. — Neubert in Deutsch. Mag. Gart.-Blumenk. 1865: 193, t. (1865). — Rehder in Sargent, Pl. Wilson. 2: 291 (1915).

*Malus floribunda* Siebold, Cat. Raison. 1856: 5 (1856), nom.

*Malus Toringo* De Vriese in Tuinbouw-fl. Nederl. 3: 368, t. (1856), sine descr.; p. p., quoad flores.

*Pyrus floribunda* Kirchner in Petzold & Kirchner, Arb. Muscav. 319 (1864); in Gartenfl. 15: 50 (1866); non Lindley (1826).

*Pyrus (spectabilis) × Ringo* × *P. baccata* Wenzig in Monatsschr. Ver. Beförd. Gartenb. Preuss. 17: 535 (1874).

*Pyrus Ringo* × *floribunda* Wenzig in Linnaea, 38: 38 (1874, Dec.).

*Pirus baccata* × *Toringo* Zabel, Syst. Verzeich. Münden Pfl. 18 (1878), nom.

*Malus microcarpa floribunda* Carrière, Ét. Pomm. Microcarp. 64, fig. 12 (1883).

*Pirus pulcherrima* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 71 (1906).

*Pyrus malus floribunda* Tipping in Garden, 80: 287, fig. (1916).

**M. arnoldiana** (*M. baccata* × *floribunda*) (Rehd.) Rehder in Jour. Arnold Arb. 2: 57 (1920).

*Malus arnoldiana* (*Malus floribunda* × *baccata*) Arnold Arb. ex U. S. Dept. Agric. Bur. Pl. Indust. (Bull. 132)

- Seeds Pl. Imp. Invent. **13**: 43 no. 19651 (1908) "*M. floribunda* × *prunifolia*", nom. subnud.—Sargent in Arnold Arb. Bull. no. **22**: 2 (1912), nom. subnud.
- Malus floribunda* var. *Arnoldiana* Rehder in Möller's Deutsche Gärt.-Zeit. **24**: 27, 2 fig. (1909) "*M. floribunda* × ? *baccata*".
- Pyrus pulcherrima* var. *Arnoldiana* Bailey in Rhodora, **18**: 155 (1916).
- Malus pulcherrima* var. *Arnoldiana* [Nash] in Jour. New York Bot. Gard. **19**: 194 (1918).
- Pyrus arnoldiana* Bean, Trees Shrubs Brit. Isl. **3**: 320 [1933].
- M. Scheideckeri** (*M. floribunda* × *prunifolia*) Späth ex Zabel in Beissner et al., Handb. Laubh.-Ben. 188 (1903).—Schneider, Ill. Handb. Laubh. **1**: 721 (1906).
- Pirus Scheideckeri* hort. ex Kolb in Ill. Monatsh. Gartenb. **6**: 362, t. (1887), nom. subnud., tantum in tab.—Wittmack in Gartenfl. **53**: 417, fig. 61, t. 1529 (1904).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 83 (1906), pro syn.
- Pirus spectabilis floribunda Scheideckeri* Späth, Cat. (1888) ex Ascherson & Graebner, l. c. (1906), pro syn.
- Malus floribunda* × *prunifolia* Koehne, Deutsche Dendr. **261** (1893).
- Pyrus floribunda Scheideckeri* hort. ex Koehne, l. c. (1893), pro syn.
- Pirus pulcherrima* × *prunifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 83 (1906).
- Pyrus pulcherrima* var. *Scheideckeri* (Späth) Bailey in Rhodora, **18**: 155 (1916).
- Malus floribunda* var. *Scheideckeri* Bailey, Hortus Sec. **456** (1941).
- M. gloriosa** [*M. pumila* Niedzwetzkyana × *Scheideckeri*] Lemoine, Cat. no. **205**: 14 (1931).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 394 (1940).
- M. brevipes** (Rehd.) Rehder in Jour. Arnold Arb. **7**: 24 (1926).
- Malus floribunda* var. *brevipes* Rehder in op. cit. **2**: 50 (1920).
- Pyrus brevipes* Bailey, Hortus Sec. **456** (1941), pro syn.
- M. Zumi** (*M. baccata* var. *mandshurica* × *Sieboldii*) (Matsum.) Rehder in Sargent, Trees & Shrubs, **1**: 191, t. 91 (1905); in Sargent, Pl. Wilson. **2**: 292 (1915).
- ?*Pyrus Toringo* γ. *integrifolia* Franchet & Savatier, Enum. Pl. Jap. **1**: 139 [1873]; **2**: 350 [1878?].
- Malus Toringo* a. *integrifolia* Zabel ex Dippel, Handb. Laubh. **3**: 406 (1893).—Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 82 (1913).
- Pirus (Malus) Zumi* Matsumura in Bot. Mag. Tokyo, **13**: 1 (1899).
- Malus baccata* var. *mandshurica* f. *Zumi* Matsumura, Ind. Pl. Jap. **2,2**: 204 (1912).
- Malus Sieboldii* var. *Zumi* (Mats.) Asami, Crabappl. Nectar. Jap. **41**, fig. 41–46, 48, t. 22, 23, 42d–f (1927).
- M. Zumi** var. *calocarpa* (Rehd.) Rehder in Jour. Arnold Arb. **7**: 25 (1926).
- Malus Sieboldii* var. *calocarpa* Rehder in Sargent, Pl. Wilson. **2**: 294 (1915).
- Pyrus Sieboldii* var. *calocarpa* Bailey in Rhodora, **18**: 155 (1916).
- M. Sieboldii** (Reg.) Rehder in Sargent, Pl. Wilson. **2**: 293 (1915); in Jour. Arnold Arb. **13**: 308 (1932).—Asami, Crabappl. Nectar. Jap. **38**, fig. 26–33, 35, 36, t. 19, 20, 42a,b, (1927).—Suringar in Meded. Rijks Herb. Leid. **56**: 43 (1928).
- Malus (Sorbus) Toringo* Siebold, Cat. Raison. **1856**: 4 (1856); **1863**: 35 (1863); nom.—De Vriese in Tuinbouw-fl. Nederl. **3**: 368, t. 17 (1856), sine descr.; p. p. quoad ram. fruct.—Carrière in Rev. Hort. **1870**: 451, fig. 63, t. (1871) "*M. Toringo*."—Schneider, Ill. Handb. Laubh. **1**: 723, fig. 399c, 400g–h<sup>1</sup> (1906).
- Pyrus? rivularis* sensu Gray in Mem. Am. Acad. Arts Sci. n. ser. **6**: 388 (1857), non Hooker [1834].
- Pyrus Sieboldii* Regel in Ind. Sem. Hort. Petrop. **1858**: 51 (1859); in Gartenfl. **8**: 82 (1859).
- Sorbus Toringo* K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 249 (1864).
- Pyrus Toringo* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 41 (Prol. Fl. Jap. 229) (1867).
- Pyrus Mengo* Siebold ex K. Koch, Dendr. **1**: 213 (1869), pro syn.
- Pyrus Toringo* a. *typica* Maxim. in litt. ex Franchet & Savatier, Enum. Pl. Jap. **1**: 139 [1873]; **2**: 350 [1878?].
- Pyrus Toringo* β. *incisa* Franchet & Savatier, l. c. [1873]; l. c. [1878].
- Pyrus rivularis* β. *Toringo* Wenzig in Linnaea, **38**: 39 (1874).
- Malus microcarpa Toringo* Carrière, Ét. Pomm. Microcarp. **61**, fig. 11 (1883).
- Malus baccata* subsp. *Toringo* Koidzumi in Bot. Mag. Tokyo, **25**: 76 (1911).
- Malus Sieboldii* var. *Koringo* c. *incisa* (Fr. & Sav.) Koidzumi in Bot. Mag. Tokyo, **30**: 331 (1916).
- M. Sieboldii** var. *arborescens* Rehder in Sargent, Pl. Wilson. **2**: 294 (1915).
- ?*Pyrus baccata* Thunberg, Fl. Jap. **207** (1784).
- Crataegus alnifolia* sensu Regel in Act. Hort. Petrop. **1**: 125 (1871), non Siebold & Zuccarini (1846).
- Crataegus Cavaleriei* Léveillé & Vaniot in Bull. Soc. Bot. France, **55**: 58 (1908); Fl. Kouy-Tchéou, **346** (1915) exclud. no. 1303.
- Pirus subcrataegifolia* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 199 (1909).
- Photinia rubro-lutea* Léveillé in op. cit. **9**: 460 (1911).
- Malus Toringo* f. *typica* Matsumura, Ind. Pl. Jap. **2,2**: 205 (1912).—Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 81 (1913).—Non *Pyrus T. a. t.* Franch. & Lav. [1873].
- Crataegus Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 377 (1912).
- Pyrus Esquirolii* Léveillé in op. cit. **12**: 189 (1913).
- Malus Toringo* Nakai, Fl. Sylv. Kor. **6**: 35, t. 10 (1916), vix Siebold (1856) et vix Carrière (1871).
- Malus Sieboldii* var. *Koringo* b. *vulgaris* Koidzumi in Bot. Mag. Tokyo, **30**: 331 (1916).
- Malus Sieboldii* Rehder in Jour. Arnold Arb. **13**: 308 (1932), p. p.
- M. sublobata** (*M. prunifolia* × *Sieboldii*) (Dipp.) Rehder in Jour. Arnold Arb. **2**: 56 (1920) "*M. prunifolia* Rinki × *Sieboldii*".—Schneider in Gartenschönh. **4**: 181, t. (1923).
- Pirus Ringo sublobata* Zabel, Syst. Verzeich. Münden Pfl. **18** (1878), nom.
- Pirus Ringo trilobata* Zabel, l. c. (1878), nom.
- Malus Ringo* a. *sublobata* Dippel, Handb. Laubh. **3**: 400 (1893).
- Malus Ringo* × *Toringo* (f.) *sublobata* et (f.) *trilobata* Zabel in Beissner et al., Handb. Laubh.-Ben. **188**, 189 (1903), nom.
- M. Sargentii** Rehder in Sargent, Trees & Shrubs, **1**: 71, t. 36 (1903).—Bean in Bot. Mag. **144**: t. 8757 (1918).



**Malus Sargentii** (continued)

*Pyrus Sargentii* Bean, Trees Shrubs Brit. Isl. 2: 293 (1914).  
*Pyrus Malus Sargentii* Anon. in Jour. Hort. Soc. Lond. 41: cxix, fig. 96 (1915).

*Malus Sieboldii* var. *Koringo* a. *Sargentii* Koidzumi in Bot. Mag. Tokyo, 30: 331 (1916).

*Malus Sieboldii* var. *Sargentii* f. *ascendens* Asami, Crab-appl. Nectar. Jap. 40, t. 21, 42c (1927).

Ser. 4. FLORENTINAE (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 390 (1940).

*Malus* sect. *Sorbomalus* subsect. *Florentinae* Rehder in Jour. Arnold Arb. 2: 48 (1920).

**M. florentina** (Zuccagni) Schneider, Ill. Handb. Laubh. 1: 724, fig. 400m-o, 404g-h (1906); in Repert. Sp. Nov. Reg. Veg. 3: 178 (1906).

*Crataegus florentina* Zuccagni in Roemer, Collect. Bot. 142 (1809).

*Pyrus crataegifolia* Savi, Tratt. Alb. Tosc. ed. 2, 1: 169 (1811).

*Mespilus florentina* A. Bertoloni, Opusc. Scient. 1: 149 (1817); Amoen. Ital. 29 (1819).

*Pyrus florentina* Targioni-Tozzetti in Mem. Mat. Fis. Soc. Ital. Sci. Modena, 20: 302, t. 5 (1829).

*Torminaria florentina* M. J. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 130 (1847).

*Sorbus florentina* Nyman Syll. Fl. Eur. 266 (1855).

*Cornus florentina* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 157 (1874).

*Sorbus torminalis* × *Pirus Malus* Wenzig in Linnaea, 38: 86 (1874).

*Malus crataegifolia* Koehne, Gatt. Pomac. 27 (1890).

Ser. 5. KANSUENSES (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 390 (1940).

*Malus* sect. *Sorbomalus* subsect. *Kansuenses* Rehder in Jour. Arnold Arb. 2: 48 (1920).

*Eriolobus* sensu Schneider, Ill. Handb. Laubh. 1: 725 (1906), p. p.; non Roemer (1847).

*Sinomalus* Koidzumi in Act. Phytotax. Geobot. 1: 11 (1932).

**M. fusca** (Raf.) Schneider, Ill. Handb. Laubh. 1: 723, fig. 399d-d<sup>2</sup>, 400i-l (1906); in Repert. Sp. Nov. Reg. Veg. 3: 178 (1906).

*Pyrus fusca* Rafinesque, Med. Fl. 2: 254 (1830), nom. subnud.

*Pyrus diversifolia* Bongard in Mém. Acad. Sci. St. Pétersb. sér. 6, 2: 133 (Observ. Vég. Sitcha, 15. 1832) (1833).

*Pyrus rivularis* Douglas ex Hooker, Fl. Bor.-Am. 1: 203, t. 68 [1834].—Sargent, Silva N. Am. 4: 77, t. 170 (1892).

*Sorbus rivularis* Heynhold, Nomencl. Bot. 1: 773 (1840).

*Malus rivularis* M. J. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 215 (1847).

*Malus diversifolia* M. J. Roemer, l. c. (1847).—J. P. Anderson in Proc. Iowa Acad. Sci. 23: 440, t. 27 (1916).

*Malus rivularis* var. *diversifolia* Koehne, Deutsche Dendr. 262 (1893).

*Pyrus fusca* var. *diversifolia* Bailey, Stand. Cycl. Hort. 5: 2876 (1916).

**M. fusca** var. *levipes* (Nutt.) Schneider, Ill. Handb. Laubh. 1: 724 (1906).

*Pyrus rivularis* β. *levipes* Nuttall, N. Am. Sylva, 2: 24 (1842).

*Pyrus subcordata* Ledebour, Fl. Ross. 2: 95 [1843].

*Malus subcordata* M. J. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 192 (1847).

*Malus rivularis* var. *levipes* Koehne, Deutsche Dendr. 262 (1893).

*Pyrus fusca* var. *levipes* Bailey, Stand. Cycl. Hort. 5: 2876 (1916).

**M. Dawsoniana** (*M. fusca* × *pumila*) Rehder in Sargent, Trees & Shrubs, 2: 23, t. 3 (1907).

*Pyrus diversifolia* × *P. Malus* G. Fraser in Agric. Jour. 6: 41, 2 fig. (1921); in Gard. Chron. ser. 3 14: 377, fig. 134 (1923) "*P. diversifolia* × Cult. Apple."

**M. toringoides** (Rehd.) Hughes in Kew Bull. 1920: 205, fig. ba-e (1920).

*Malus transitoria* var. *toringoides* Rehder in Sargent, Pl. Wilson. 2: 286 (1915).

*Pyrus transitoria* var. *toringoides* Bailey in Rhodora, 18: 155 (1916).

*Pyrus toringoides* Osborn in Gard. Chron. ser. 3, 73: 89, fig. 42 (1923).

*Sinomalus toringoides* Koidzumi in Act. Phytotax. Geobot. 1: 11 (1932).

**M. transitoria** (Batal.) Schneider, Ill. Handb. Laubh. 1: 726 (1906); in Repert. Sp. Nov. Reg. Veg. 3: 178 (1906).

*Pyrus transitoria* Batalin in Act. Hort. Petrop. 13: 95 (1893).

*Pyrus Malus transitoria* Anon. in Garden, 86: 485, fig. (1922).

*Sinomalus transitoria* Koidzumi in Act. Phytotax. Geobot. 3: 196 (1934).

**M. kansuensis** (Batal.) Schneider in Repert. Sp. Nov. Reg. Veg. 3: 178 (1906); Ill. Handb. Laubh. 2: 1001 (1912).—Rehder in Sargent, Pl. Wilson. 2: 286 (1915).

*Pyrus kansuensis* Batalin in Act. Hort. Petrop. 13: 94 (1893).

*Eriolobus kansuensis* Schneider, Ill. Handb. Laubh. 1: 726 (1906).—Koidzumi in Act. Phytotax. Geobot. 3: 196 (1934).

**M. kansuensis** f. *calva* Rehder in Jour. Arnold Arb. 2: 50 (1920).

**M. honanensis** Rehder in op. cit. 51 (1920).

*Sinomalus honanensis* Koidzumi in Act. Phytotax. Geobot. 3: 196 (1934).

Ser. 6. YUNNANENSES (Rehd.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 390 (1940).

*Malus* sect. *Sorbomalus* subsect. *Yunnanenses* Rehder in Jour. Arnold Arb. 2: 48 (1920).

*Docyniopsis* sensu Koidzumi in Act. Phytotax. Geobot. 3: 162 (1934), p. p.; non *Malus* sect. *D.* Schneider (1906).

**M. Prattii** (Hemsl.) Schneider, Ill. Handb. Laubh. 1: 719, fig. 397 p-p,<sup>1</sup> 398k-m (1906, May); in Repert. Sp. Nov. Reg. Veg. 3: 178 (1906, Dec.).—Rehder in Sargent, Pl. Wilson. 2: 281 (1915).

*Pyrus Prattii* Hemsley in Kew Bull. 1895: 16 (1895).

*Docyniopsis Prattii* Koidzumi in Act. Phytotax. Geobot. 3: 196 (1934).

**M. yunnanensis** (Franch.) Schneider in Repert. Sp. Nov. Reg. Veg. 3: 179 (1906, Dec.).—Rehder in Sargent, Pl. Wilson. 2: 287 (1915).

*Pyrus yunnanensis* Franchet, Pl. Delavay. 228 [1890].

*Eriolobus yunnanensis* Schneider, Ill. Handb. Laubh. 1: 727, fig. 403e-g, 404b-c (1906, May).

*Cornus yunnanensis* Koidzumi in Jour. Coll. Sci. Tokyo, 34:2: 75 (Consp. Rosac. Jap.) (1913).

*Docyniopsis yunnanensis* Koidzumi in Act. Phytotax. Geobot. 3: 196 (1934).

- M. yunnanensis** var. **Veitchii** Rehder in Jour. Arnold Arb. 4: 115 (1923).  
*Pyrus Veitchii* Hort. in Gard. Chron. ser. 3, 52: 288 (1912), nom.—Veitch, Cat. New Hardy Pl. China, 1913: 12 (1913), nom. subnud.  
*Pyrus yunnanensis* Franchet sensu Bean in Bot. Mag. 141: t. 8629 (1915), p. p., quoad pl. depict.  
*Malus yunnanensis* Schneider sensu Rehder in Sargent, Pl. Wilson. 2: 287 (1915), p. p. quoad pl. ex Hupeh.  
*Pyrus yunnanensis* var. **Veitchii** Osborn in Gard. Chron. ser. 3, 78: 227 (1925).
- Sect. III. **CHLOROMELES** (Decne.) Rehder in Jour. Arnold Arb. 2: 48 (1920).  
*Malus* subgen. *Chloromeles* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, 10: 155 (1874).  
*Chloromeles* Decaisne in Fl. des Serr. 23: 156 [1881].  
*Malus* sect. *Calycomeles* Koehne, Deutsche Dendr. 257 (1893), p. p.  
*Malus* subsect. *Coronariae* Rehder in Sargent, Trees Shrubs, 2: 142 (1911).
- M. platycarpa** Rehder in Sargent, Trees & Shrubs, 2: 227, t. 189 (1913).  
*Pyrus platycarpa* Bailey in Rhodora, 18: 154 (1916).
- M. platycarpa** var. **Hoopesii** (Rehd.) Rehder in op. cit. 227 (1913).—Fulling in Addisonia, 16: 93, t. 523 (1931).  
*Malus coronaria* var. **Hoopesii** Rehder in op. cit. 2: 142 (1911).  
*Pyrus platycarpa* var. **Hoopesii** Bailey, Stand. Cycl. Hort. 5: 2876 (1916).
- M. glaucescens** Rehder in Sargent, Trees & Shrubs, 2: 139, t. 157 (1911); 228 (1913).  
*Pyrus glaucescens* Bailey in Rhodora, 18: 154 (1916).
- M. glabrata** Rehder in Sargent, Trees & Shrubs, 2: 225, t. 188 (1913).  
*Malus glaucescens* Rehder in op. cit. 2: 139 (1911), p. p.  
*Pyrus glabrata* Bailey in Rhodora, 18: 154 (1916).
- M. coronaria** (L.) Miller, Gard. Dict. ed. 8, *M.* no. 2 (1768).—Britton & Brown, Ill. Fl. N. U. S. 2: 235, fig. 1979 (1897).—Rehder in Mitt. Deutsch. Dendr. Ges. 1914(23): 260 [1915].  
*Pyrus coronaria* Linnaeus, Sp. Pl. 480 (1753), p. p.—Du Roi, Harbk. Baumz. 2: 229 (1772).—Sargent, Silva N. Am. 4: 71, t. 167 (1892).  
*Pyrus-Malus coronaria* Weston, Bot. Univ. 1: 230 (1770).  
*Pyrus microcarpa coronaria* Carrière, Ét. Pomm. Microcarp. 133, fig. 17 (1883).  
*Malus glaucescens* sensu Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 289, fig. 2323 (1913), p. p.; non Rehder (1911).  
*Malus fragrans* Rehder in Sargent, Trees & Shrubs, 2: 228 (1913).
- M. coronaria** var. **elongata** (Rehd.) Rehder in Mitt. Deutsch. Dendr. Ges. 1914(23): 261 [1915].—Sargent, Man. Trees N. Am. ed. 2, 383, fig. 340 (1922).  
*Malus fragrans* var. **elongata** Rehder in Sargent, Trees & Shrubs, 2: 229 (1913).  
*Malus elongata* Ashe in Bull. Charleston Mus. 12: 38 (1916).  
*Pyrus coronaria* var. **elongata** Bailey in Rhodora, 18: 154 (1916).  
*Pyrus elongata* Ashe in Jour. Elisha Mitchell Sci. Soc. 34: 139 (1918).
- M. coronaria** var. **dasycalyx** Rehder in Jour. Arnold Arb. 2: 52 (1920).
- M. coronaria** f. **Charlottae** Rehder in op. cit. (1920) "var. *dasycalyx* f. *C.*"
- M. coronaria** f. **Nieuwlandiana** Slavin in Am. Midland Nat. 12: 364 (1931).
- M. heterophylla** [*M. coronaria* × *pumila*] Spach, Hist. Nat. Vég. Phan. 2: 138 (1832).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 397 (1940).
- M. bracteata** Rehder in Sargent, Trees & Shrubs, 2: 230 (1913).—Sargent, Man. Trees N. Am. ed. 2, 386, fig. 344 (1922).  
*Pyrus bracteata* Bailey in Rhodora, 18: 154 (1916).
- M. lancifolia** Rehder in Sargent, Trees & Shrubs, 2: 141, t. 158 (1911); 2: 229 (1913).—Sargent, Man. Trees N. Am. ed. 2, 384, fig. 342 (1922).  
*Pyrus lancifolia* Bailey in Rhodora, 18: 154 (1916).
- M. angustifolia** (Ait.) Michaux, Fl. Bor.-Am. 1: 292 (1803).  
*Pyrus coronaria* Linnaeus, Sp. Pl. 480 (1753), p. p.  
*Pyrus-Malus sempervirens* Weston, Bot. Univ. 1: 230 (1770), nom.  
*Pyrus angustifolia* Aiton, Hort. Kew. 2: 176 (1789).—Sargent, Silva N. Am. 4: 75, t. 169 (1892).  
*Malus sempervirens* Desfontaines, Hist. Arb. Arbriss. 2: 141 (1809).  
*Pyrus sempervirens* Willdenow, Enum. Hort. Berol. Suppl. 35 (1813).  
*Pyrus coronaria* var. **angustifolia** Wenzig in Linnaea, 38: 41 (1874).  
*Malus microcarpa sempervirens* Carrière, Ét. Pomm. Microcarp. 136, fig. 18 (1883).  
*Malus coronaria* sensu Rehder in Sargent, Trees & Shrubs, 2: 229 (1913), non Miller (1769).
- M. angustifolia** f. **pendula** Rehder in Jour. Arnold Arb. 2: 53 (1920).
- M. ioensis** (Wood) Britton, Man. Fl. N. Stat. Can. 516 (1901).—Sargent, Man. Trees N. Am. 354, fig. 278 (1905).—Rehder in Sargent, Trees & Shrubs, 2: 230 (1913).  
*Pyrus coronaria* var. **ioensis** Wood, Class-B. Bot. new ed., 333 (1860).—Sargent, Silva N. Am. 4: 72, t. 168 (1892).  
*Pyrus ioensis* Bailey in Am. Gard. 12: 473, fig. 7, 8 (1891); in Bot. Gaz. 17: 60 (1892).  
*Malus coronaria* var. **ioensis** Schneider, Ill. Handb. Laubh. 1: 724, fig. 401q-r<sup>2</sup> (1906).  
*Malus coronaria* var. **typica** Rehder in Mitt. Deutsch. Dendr. Ges. 1914(23): 262 [1915].
- M. ioensis** f. **plena** [Hartwig] Rehder in Mitt. Deutsch. Dendr. Ges. 1914(23): 262 [1915]; in Jour. Arnold Arb. 2: 54 (1920).  
*Pyrus angustifolia* fl. **pleno** Anon. in Gard. Chron. ser. 3, 13: 43 fig. 8 (1893).  
*Pyrus coronaria* fl. **pleno** Anon. in Gard. Chron. ser. 3, 25: 39, fig. 145 (1899).  
*Malus angustifolia plena* Hartwig in Mitt. Deutsch. Dendr. Ges. 1907(16): 268 [1908].  
*Malus angustifolia* fl. **pleno** Morel in Rev. Hort. n. sér. 10: 60, t. (1910).  
*Malus coronaria* var. **plena** Schneider in Silva-Tarouca, Uns. Freil.-Laubgeh. 264 (1913).  
*Pyrus coronaria* f. **plena** Voss in Putlitz & Meyer, Landlex. 4: 68 (1913).  
*Pyrus angustifolia Bechtelii* Greening Nurs. Co., Descript. Book, 31, fig. (191.?).

**Malus** (*continued*)

**M. ioensis** f. *fimbriata* Slavin in Am. Midland Nat. **12**: 363 (1931).

**M. ioensis** var. *Palmeri* Rehder in Sargent, Trees & Shrubs, **2**: 232 (1913).

*Pyrus ioensis* var. *Palmeri* Bailey in Rhodora, **18**: 154 (1916).

**M. ioensis** var. *texensis* Rehder in Sargent, Trees & Shrubs, **2**: 142 (1911).

*Pyrus ioensis* var. *texensis* Bailey, l. c. (1916).

**M. Soulardi** (*M. ioensis* × *pumila*) (Bailey) Britton, Man. Fl. N. Stat. 516 (1901).

*Pyrus Soulardi* Bailey in Am. Gard. **12**: 472, fig. 4, 5 (1891).

Sect. **IV**. **ERIOLOBUS** (Ser.) Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 179 (1906). — Rehder in Jour. Arnold Arb. **2**: 49 (1920).

*Pyrus* sect. *Eriolobus* Seringe in De Candolle, Prodr. **2**: 636 (1825).

*Eriolobus* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 216 (1847).

*Cormus* sect. *Eriolobus* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 157 (1874).

*Eriolobus* sect. *Eueriolobus* Schneider, Ill. Handb. Laubh. **1**: 725 (1906), p. p.

**M. trilobata** (Labill.) Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 179 (1906).

*Crataegus trilobata* Labillardière, Icon. Pl. Syr. **4**: 15, t. 10 (1812).

*Pyrus trilobata* De Candolle, Prodr. **2**: 636 (1825).

*Sorbus trilobata* Heynhold, Nomencl. Bot. **1**: 773 (1840). — Boissier, Fl. Or. **2**: 657 (1872).

*Eriolobus trilobatus* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 216 (1847). — Schneider, Ill. Handb. Laubh. **1**: 726, fig. 402a-d, 403a-c (1906) "*trilobata*".

*Cormus trilobata* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 157 (1874).

Sect. **V**. **DOCYNIOPSIS** Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 179 (1906, May), exclud. *M. docynioides*. — Rehder in Jour. Arnold Arb. **2**: 49 (1920).

*Eriolobus* Roemer emend. Rehder in Sargent, Trees & Shrubs, **1**: 74 (1903), p. p.

*Macromeles* Koidzumi, Fl. Symb. Or.-As. 53 (1930).

**M. Tschonoskii** (Maxim.) Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 179 (1906, Dec.). — Rehder in Sargent, Pl. Wilson. **2**: 295 (1915).

*Pirus Tschonoskii* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 169 (in Mém. Biol. **9**: 165) (1873).

*Eriolobus Tschonoskii* Rehder in Sargent, Trees & Shrubs, **2**: 73, t. 37 (1903). — Schneider, Ill. Handb. Laubh. **1**: 727, fig. 403h-i, 404f (1906, May).

*Cormus Tschonoskii* Koidzumi in Bot. Mag. Tokyo, **23**: 171 (1909).

*Macromeles Tschonoskii* Koidzumi, Fl. Symb. Or.-As. 53 (1930).

*Docyniopsis Tschonoskii* Koidzumi in Act. Phytotax. Geobot. **3**: 162, 196 (1934) "*Tschonoskii*" p. 196.

**DOCYNIA** Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, **10**: 131 (1874). — Hooker f., Fl. Brit. Ind. **2**: 369 (1878). — Focke in Nat. Pflanzenfam. III. **3**: 22 (1888).

*Eriolobus* sect. *Docynia* Schneider, Ill. Handb. Laubh. **1**: 727 (1906).

LECTOTYPUS: *Pyrus indica* Wall. = *D. indica* (Wall.) Decsne.

**D. rufifolia** (Lévl.) Rehder in Jour. Arnold Arb. **13**: 310 (1932).

*Pirus* (*Cydonia*) *rufifolia* Léveillé in Bull. Acad. Intern. Géog. Bot. **25**: 46 (1915); Cat. Pl. Yun-Nan, 231 (1917), sphalm. "*rubifolia*".

*Malus docynioides* Schneider in Bot. Gaz. **63**: 400 (1917).

*Docynia docynioides* Rehder in Jour. Arnold Arb. **2**: 58 (1920).

**D. Delavayi** (Franch.) Schneider in Repert. Sp. Nov. Reg. Veg. **3**: 180 (1906). — Rehder in Jour. Arnold Arb. **13**: 309 (1932).

*Pyrus Delavayi* Franchet, Pl. Delavay. 227, t. 47 [1890].

*Eriolobus Delavayi* Schneider, Ill. Handb. Laubh. **1**: 727 (1906).

*Cotoneaster Bodinieri* Léveillé in Bull. Acad. Intern. Géog. Bot. **25**: 44 (1915); Cat. Pl. Yun-Nan, 229 (1917).

*Cydonia Delavayi* Cardot in Rev. Hort. n. sér., **16**: 131, fig. 45-47 (1918).

**CHAENOMELES** Lindley in Trans. Linn. Soc. Lond. **13**: 97 [1821] "*Choenomeles*". — Schneider, Ill. Handb. Laubh. **1**: 728, 808 (1906) "*Choenomeles*".

*Cydonia* sect. *Chaenomeles* De Candolle, Prodr. **2**: 638 (1825). — Focke in Nat. Pflanzenfam. III. **3**: 22 (1888).

TYPE: *Pyrus japonica* Thunb. = *C. japonica* (Thunb.) Spach.

Sect. **I**. **EUCHAENOMELES** Schneider, Ill. Handb. Laubh. **1**: 729, 808 (1906) "*Euchoenomeles*".

**C. lagenaria** (Loisel.) Koidzumi in Bot. Mag. Tokyo, **23**: 173 (1909). — Rehder in Sargent, Pl. Wilson. **2**: 296 (1915).

*Pyrus japonica* sensu Sims in Bot. Mag. **18**: t. 692 (1803), non Thunberg (1784).

*Pyrus Cydonia* sensu Loureiro, Fl. Cochinch. 322 (1790), non Linnaeus (1753).

*Malus japonica* Andrews, Bot. Repos. **7**: t. 462 (1807).

*Cydonia japonica* Loiseleur, Herb. Amat. **2**: 73 (1817), non Persoon [1806].

*Cydonia Lagenaria* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] **6**: 255, t. 76 [1813?].

*Cydonia speciosa* Sweet, Hort. Suburb. Lond. 113 (1818). — Guimpel, Otto & Hayne, Abbild. Fremd. Holzg. **88**, t. 70 (1825).

*Chaenomeles japonica* Spach, Hist. Nat. Vég. Phan. **2**: 159 (1834). — Schneider, Ill. Handb. Laubh. **1**: 730, fig. 405h-o, 406b (1906). — Exclud. basonym.

*Cydonia Umbato* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 218 (1847), p. p.

*Chaenomeles japonica* a. *genuina* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 168 (in Mém. Biol. **9**: 163) (1873); non var. *typica*.

?*Cydonia citripoma* Carrière in Rev. Hort. **1876**: 330, t. (1876) "*citripomma*"; **1891**: 41, fig. 11 (1891).

*Cydonia japonica* var. *genuina* Ito in Bot. Mag. Tokyo, **14**: 117 (1900), non var. *typica*.

*Cydonia japonica* β. *Lagenaria* Makino in Bot. Mag. Tokyo, **22**: 64 (1908).

?*Chaenomeles angustifolia* Koidzumi in Jour. Coll. Sci. Tokyo, **24**: 97 (1913).

?*Chaenomeles eugeniioides* Koidzumi in Bot. Mag. Tokyo, **29**: 160 (1915).

?*Chaenomeles cardinalis* (Carr.) Nakai in Bot. Mag. Tokyo, **32**: 145 (1918).

?*Chaenomeles eburnea* (Carr.) Nakai, l. c. (1918).

- C. lagenaria** var. **cathayensis** (Hemsl.) Rehder in Sargent, Pl. Wilson. 2: 297 (1915).  
*Pyrus cathayensis* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 256 (1887), exclud. syn., quoad pl. ex Hupeh.  
*Cydonia cathayensis* Hemsley in Hooker's Icon. Pl. 27: t. 2657-58 (1900).  
*Chaenomeles cathayensis* Schneider, Ill. Handb. Laubh. 1: 730, fig. 405p-p<sup>1</sup>, 406e-f (1906).  
*Cydonia japonica* var. *cathayensis* Cardot in Bull. Mus. Hist. Nat. Paris, 24: 64 (1918).
- C. lagenaria** var. **Wilsonii** Rehder in Sargent, Pl. Wilson. 2: 298 (1915).  
*Cydonia Mallardii* Anon. in Gard. Chron. ser. 3, 58: 158 (1915), nom.; non *C. japonica Mallardii* Grignani (1903).  
*Pyrus japonica Wilsonii* Anon. in Jour. Hort. Soc. Lond. 41: cxxxii, fig. 122 (1916).  
*Cydonia japonica Wilsonii* Beckett in Gard. Chron. ser. 3, 66: 22, fig. 9, 10 (1919).  
*Cydonia cathayensis* var. *Wilsonii* Bean in New Fl. & Sylv. 2: 191 (1930), nom. event.
- C. japonica** (Thunb.) Lindley ex Spach, Hist. Nat. Vég. Phan. 2: 159 (1834), p. p., quoad basonym. — Rehder in Sargent, Pl. Wilson. 2: 298 (1915).  
*Pyrus japonica* Thunberg, Fl. Jap. 207 (1784). — Willdenow, Sp. Pl. 2, 1: 1020 [1800].  
*Cydonia japonica* Persoon, Syn. Pl. 2: 40 [1806]. — De Candolle, Prodr. 2: 638 (1825). — Makino in Bot. Mag. Tokyo, 22: 63 (1908), p. p.  
*Pyrus Maulei* Masters in Gard. Chron. n. ser. 1: 756, fig. 159 (1874). — Hooker f. in Bot. Mag. 110: t. 6780 (1884).  
*Cydonia Maulei* T. Moore in Florist & Pomol. 1875: 49, t. (1875).  
*Chaenomeles japonica* var. *Maulei* Lavallée, Arb. Segrez. 110 (1877).  
*Pseudochaenomeles Maulei* Carrière in Rev. Hort. 1882: 238, fig. 52, 55 (1882).  
*Chaenomeles Maulei* Schneider, Ill. Handb. Laubh. 1: 731, fig. 405g-s, 406c-d (1906).  
*Cydonia japonica* a. *typica* Makino in Bot. Mag. Tokyo, 22: 63 (1908).  
*Chaenomeles trichogyna* Nakai, Fl. Sylv. Kor. 6: 42, t. 15 (1916).
- C. japonica** f. **tricolor** [Parsons], grad. nov.  
*Cydonia japonica tricolor* Parsons & Sons, Descr. Cat. 39 [1889?].  
*Cydonia Maulei* var. *tricolor* Rehder in Bailey, Cycl. Am. Hort. [1]: 427 (1900).  
*Chaenomeles Maulei* var. *tricolor* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 728 (1914).  
*Chaenomeles japonica* var. *tricolor* Hort. ex Rehder, Man. Cult. Trees Shrubs, 401 (1927).
- C. japonica** var. **alpina** Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 168 (in Mém. Biol. 9: 163) (1873) "β."  
*Chaenomeles japonica* γ. *pygmaea* Maximowicz, l. c. (1873).  
*Pyrus japonica* β. *alpina* Franchet & Savatier, Enum. Pl. Jap. 1: 139 [1873].  
*Chaenomeles alpina* Koehne, Gatt. Pomac. 28, t. 2, fig. 23a-c (1890).  
*Cydonia Sargentii* Lemoine, Cat. 144: 25 (1900).  
*Pyrus Sargentii* S. Arnott in Gard. Chron. ser. 3, 32: 192 (1902).  
*Chaenomeles Maulei* var. *Sargentii* Mottet in Rev. Hort. n. sér. 11: 204, t. (1911).
- C. superba** (*C. japonica* × *lagenaria*) (Frahm) Rehder in Jour. Arnold Arb. 2: 58 (1920).  
*Cydonia Maulei* var. *superba* Frahm in Gartenwelt, 2: 214 (1898). — Bean, Trees Shrubs Brit. Isl. 1: 453 (1914).  
*Cydonia Maulei* var. *atrosanguinea* Froebel ex Olbrich in Gartenwelt, 4: 270 (1900).  
*Chaenomeles Maulei* (f.) *superba* Leichtlin ex Zabel in Beissner et al., Handb. Laubh.-Ben. 182 (1903).  
*Chaenomeles eugenioides* var. *superba* Nakai in Bot. Mag. Tokyo, 37: 72 (1923).
- C. superba** f. **alba** (Olbrich) Rehder in Jour. Arnold Arb. 2: 59 (1920).  
*Cydonia Maulei* var. *alba* Froebel ex Olbrich in Gartenwelt, 4: 270 (1900).  
*Chaenomeles Maulei* (f.) *alba* Froebel ex Zabel in Beissner et al., Handb. Laubh.-Ben. 182 (1903).
- C. superba** f. **rosea** (Olbrich) Rehder, l. c. (1920).  
*Cydonia Maulei* var. *grandiflora rosea* Froebel ex Olbrich, l. c. (1900).  
*Chaenomeles Maulei* (f.) *grandiflora rosea* Froebel ex Zabel, l. c. (1903).
- C. superba** f. **perfecta** (Olbrich) Rehder, l. c. (1920).  
*Cydonia Maulei* var. *grandiflora perfecta* Froebel ex Olbrich, l. c. (1900).  
*Chaenomeles Maulei* (f.) *grandiflora perfecta* Froebel ex Zabel l. c. (1903).
- Sect. II PSEUDOCYDONIA Schneider, Ill. Handb. Laubh. 1: 728 (1906, May).  
*Pseudocydonia* Schneider in Repert. Sp. Nov. Reg. Veg. 3: 180 (1906, Nov.).
- C. sinensis** [Dum.-Cours.] Schneider, Ill. Handb. Laubh. 1: 730, fig. 405a-g, 406a (1906). — Rehder in Sargent, Pl. Wilson. 2: 299 (1915). — Nakai, Fl. Sylv. Kor. 6: 44, t. 16 (1916).  
*Malus sinensis* Dumont de Courset, Bot. Cult. 5: 428 (1811), exclud. syn. Willd. et Miller.  
*Cydonia sinensis* Thouin in Ann. Mus. Hist. Nat. Paris, 19: 145, t. 8, 9 (1812).  
*Pyrus sinensis* Poirét, Encycl. Méth. Bot. Suppl. 4: 452 (1816).  
*Pyrus chinensis* Sprengel in Linnaeus, Syst. Veg. ed. 16, 2: 510 (1825). — Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 27 (Enum. Pl. Chin. Bor. 101. 1833) (1835).  
*Malus communis* γ. *Chinensis* Wenzig in Jahrb. Bot. Gart. Mus. Berlin. 2: 291 (1883).  
*Pyrus cathayensis* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 256 (1887), p. p., quoad specim. e Kiangsi.  
*Chaenomeles chinensis* Koehne, Gatt. Pomac. 29 (1890).  
*Pseudocydonia sinensis* Schneider in Repert. Sp. Nov. Reg. Veg. 3: 181 (1906).  
*Cydonia vulgaris* sensu Pavolini in Nuov. Giorn. Bot. Ital. n. ser. 15: 415 (1908), non Persoon [1806].
- CYDONIA** Miller, Gard. Dict. ed. 8 (1768). — Focke in Nat. Pflanzenfam. III. 3: 22 [1888], p. p. — Koehne, Gatt. Pomac. 17, t. 1, fig. 10 (1890).  
*Pyrus* Linnaeus, Sp. Pl. 479 (1753), p. p. quoad *P. Cydonia*.  
*Pyrus-Cydonia* Weston, Bot. Univ. 1: 230 (1770).  
*Cydonia* sect. *Eucydonia* Focke in Nat. Pflanzenfam. III. 3: 22 [1888].  
TYPUS: *Pyrus Cydonia* L. = *C. oblonga* Mill.
- C. oblonga** Miller, Gard. Dict. ed. 8, C. no. 1 (1768). — Du Roi, Harbk. Baumz. 2: 231 (1772). — Schneider, Ill. Handb. Laubh. 1: 654, fig. 358 (1906).

**Cydonia oblonga** (continued)

- Pyrus Cydonia* Linnaeus, Sp. Pl. 480 (1753).  
*Sorbus Cydonia* Crantz, Stirp. Austr. fasc. 2: 57 (1763); ed. 2, 1: 93 (1769).  
*Pyrus-Cydonia Cydonia* Weston, Bot. Univ. 1: 230 (1770).  
*Cydonia europaea* G. Savi, Tratt. Alb. Tosc. 1: 90 (1801).  
*Cydonia Cydonia* Persoon, Syn. Pl. 2: 40 [1806].—Ascherson & Graebner Syn. Mitteleur. Fl. 6,2: 114 (1906).  
*Cydonia vulgaris* Persoon, Syn. Pl. 2: 658 (Corrig. p. 40) (1807).—De Candolle, Prodr. 2: 630 (1825).  
*Cydonia communis* Poiret in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 4: 135 [1809].  
*Cydonia communis* β. *C. oblonga* Poiret in op. cit. 136 [1809].  
*Cydonia Sumboshia* Hamilt. ex D. Don, Prodr. Fl. Nepal. 237 (1825).  
*Cydonia vulgaris* γ. *oblonga* De Candolle, Prodr. 2: 638 (1825).  
*Cydonia sylvestris* 1. *C. communis* Risso, Hist. Nat. Prod. Eur. 2: 297 (1826).  
*Cydonia sylvestris* 4. *C. oblonga* Risso, op. cit. 298 (1826).  
*Cydonia sylvestris* 5. *C. microcarpa* Risso, l. c. (1826).  
*Cydonia vulgaris* α. *silvestris* M. J. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 217 (1847).  
*Cydonia vulgaris* β. *communis* M. J. Roemer, l. c. (1847).  
*Cydonia maliformis* (Miller emend.) Beck, Fl. Nieder-Öster. 2,1: 710 (1892).—Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, 60: 355 (1915).—Non Miller sensu stricto.
- C. oblonga** f. *marmorata* (Dipp.) Schneider, Ill. Handb. Laubh. 1: 654 (1906).  
*Cydonia vulgaris* c. *marmorata* Dippel, Handb. Laubh. 3: 357 (1893).  
*Cydonia Cydonia* monst. *marmorata* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 115 (1906).
- C. oblonga** f. *pyriformis* (Dierb.), grad. nov.  
*Cydonia sylvestris* Risso, Hist. Nat. Prod. Eur. 2: 296 (1826).  
*Cydonia media* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: Cy. no. 2, p. 328\*, fasc. 55? [1829].  
*Cydonia vulgaris* b. *pyriformis* Dierbach in Mag. Pharm. 20: 38 (Uebers. Heidelb. Wildw. Pfl.) (1827).—London, Arb. Brit. 2: 929 (1838) "var. 1."—K. Koch, Hort. Dendr. 180 (1853) "β."—Zabel in Beissner et al., Handb. Laubh.-Ben. 181 (1903) "f."  
*Pyrus Cydonia* lb. *oblonga* Kuntze, Taschen-Fl. Leipzig, 272 (1867).  
*Cydonia pyriformis* Medicus ex B. D. Jackson in Index Kew. 1: 681 (1893), pro syn.  
*Cydonia oblonga* var. *typica* Schneider, Ill. Handb. Laubh. 1: 654 (1906).  
*Cydonia Cydonia* α. *pyriformis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 115 (1906).  
*Cydonia oblonga* var. *pyriformis* Hegi, Ill. Fl. Mittel-Eur. 4,2: 690 [1922].
- C. oblonga** f. *maliformis* (Mill.), grad. nov.  
*Cydonia maliforma* Miller, Gard. Dict. ed. 8, C. no. 3 (1768).—Du Roi, Harbk. Baumz. 2: 234 (1772).  
*Cydonia communis* γ. *C. (maliformis)* Poiret in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 4: 136 [1809].
- Cydonia vulgaris* α. *maliformis* De Candolle, Prodr. 2: 638 (1825).  
*Cydonia sylvestris* 3. *C. maliformis* Risso, Hist. Nat. Prod. Eur. 2: 297 (1826).  
*Cydonia minor* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 6: Cy. no. 3; p. 328\*\*, fasc. 55 [1829].  
*Pyrus Cydonia* 1a. *maliformis* Kuntze, Taschen-Fl. Leipzig, 272 (1867).  
*Cydonia oblonga* var. *maliformis* Schneider, Ill. Handb. Laubh. 1: 654 (1906).  
*Cydonia Cydonia* β. *maliformis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 115 (1906).
- C. oblonga** f. *lusitanica* (Mill.), grad. nov.  
*Cydonia lusitanica* Miller, Gard. Dict. ed. 8, C. no. 2 (1768).  
*Pyrus-Cydonia Cydonia* 6. *lusitanica* Weston, Bot. Univ. 1: 230 (1770).  
*Cydonia Cydonia* var. *lusitanica* Persoon, Syn. Pl. 2: 40 [1806].  
*Cydonia communis* δ. *C. (Lusitanica)* Poiret in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 4: 136, t. 36 [1809].  
*Cydonia vulgaris* β. *lusitanica* De Candolle, Prodr. 2: 638 (1825).—Zabel in Beissner et al., Handb. Laubh.-Ben. 181 (1903) "(f.)".  
*Cydonia sylvestris* 2. *C. lusitanica* Risso, Hist. Nat. Prod. Eur. 2: 297 (1826).  
*Cydonia oblonga* var. *lusitanica* Schneider, Ill. Handb. Laubh. 1: 654 (1906).—Hegi, Ill. Fl. Mittel-Eur. 4,2: 690 [1922] "subvar."
- C. oblonga** f. *pyramidalis* (Dipp.), grad. nov.  
*Cydonia vulgaris* b. *pyramidalis* Dippel, Handb. Laubh. 3: 357 (1893).  
*Cydonia oblonga* var. *pyramidalis* Schneider, Ill. Handb. Laubh. 1: 115 (1906).—Hegi, Ill. Fl. Mittel-Eur. 4,2: 690 [1922] "subvar."  
*Cydonia Cydonia* lus. *pyramidalis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 115 (1906).
- PYRONIA** (*Cydonia* × *Pyrus*) Veitch ex Proc. Roy. Hort. Soc. Lond. 37: xxxii (1911), nom.; 38: xxxiv (1912).—Trabut in Jour. Hered. 7: 418, fig. 13 (1916).—Rehder in Jour. Arnold Arb. 7: 148 (1926).—Guillaumin in Bull. Mus. Hist. Nat. Paris, sér. 2, 17: 251, tabl. (1945).  
*Pirocydonia* (*Cydonia* + *Pyrus*) Hans Winkler ex Daniel in Compt. Rend. Acad. Sci. Paris, 157: 995 (1913); in Rev. Gén. Bot. 26: 312 (1914).  
*Pyro-cydonia* Guillaumin in Bull. Soc. Dendr. France, 1925: 63 (1925).
- P. Danieli** (*C. oblonga* + *P. communis*) (Daniel) Rehder in Jour. Arnold Arb. 7: 148 (1926).  
*Pirocydonia Danieli* Hans Winkler ex L. Daniel in Compt. Rend. Acad. Sci. Paris, 157: 995 (1913), nom. subnud.; in Rev. Gén. Bot. 26: 312 (1914).  
*Pyro-cydonia Danieli* Guillaumin in Bull. Soc. Dendr. France, 1925: 63, t., fig. 4 (1925).  
*Pyro-Cydonia Claracii* Daniel (1931) ex Guillaumin in Bull. Mus. Hist. Nat. Paris, sér. 2, 16: 490 (1944), nom. subnud.
- P. Danieli** var. *Winkleri* (Daniel) Rehder in Jour. Arnold Arb. 7: 149 (1926).  
*Piro-cydonia Winkleri* Daniel in Compt. Rend. Acad. Sci. Paris, 157: 995 (1913).—Bois in Rev. Hort. n. sér. 14: 27, fig. 6–8 (1914).—Guillaumin in Bull. Soc. Dendr. France, 1925: 63, t., fig. 5 (1925) "*Pyro-cydonia*".

- P. Veitchii** (*C. oblonga* × *P. communis*) (Trabut) Guillaumin in Bull. Soc. Dendr. France, **1925**: 64 (1925).  
*Pyrocyclonia* "John Seden" Veitch ex Proc. Roy. Hort. Soc. Lond. **37**: xxxii (1911); **38**: xxxiv (1912).  
*Cydonia Veitchii* var. "John Seden" Trabut in Jour. Hered. **7**: 416, fig. 12 (1916).
- P. Veitchii** f. *luxemburgiana* (Guillaumin), grad. nov.  
*Pyronia Veitchii* var. *luxemburgiana* Guillaumin in Bull. Soc. Dendr. France, **1925**: 65, t., fig. 2 (1925).
- PYRUS** Linnaeus, Sp. Pl. 479 (1753); Gen. Pl. ed. 5, 214, no. 550 (1754), p. p. typ. — Gaertner, Fruct. Sem. **2**: 44 (1791) "*Pirus*." — Medicus, Gesch. Bot. **76** (1793), emend. — K. Koch, Hort. Dendr. **180** (1853) "*Pirus*" — Bentham & Hooker f., Gen. Pl. **1**: 62 (1865), p. p. typ. — Koehne, Gatt. Pomac. **15** (1890).  
LECTOTYPUS: *P. communis* L.  
*Pirophorum* Necker, Elem. Bot. **2**: 72 (1790).  
*Pyrenia* [Clairville], Man. Herb. Suisse, **161** (1811), p. p.  
*Pyrus* Sect. **1**. *Pyrophorum* De Candolle, Prodr. **2**: 633 (1825).  
*Pyrus* sect. *Achras* et sect. *Pashia* Koehne, Gatt. Pomac. **17** (1890).
- P. amygdaliformis** Villars, Cat. Méth. Jard. Strasb. **323** (1807). — Schneider, Ill. Handb. Laubh. **1**: 657, fig. 360e-f, 361d-i (1906). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 67 (1906) "*Pirus*."  
*Pyrus parviflora* Desfontaines, Choix Pl. Cor. Tournef. **78**, t. 58 (1807); in Ann. Mus. Hist. Nat. Paris, **12**: 52, t. 4 (1808). — Decaisne, Jard. Fruit. **1**: t. 13 (1871-2).  
*Pyrus nivalis* sensu Lindley in Bot. Reg. **18**: t. 1484 (1832), non Jacquin (1774).  
*Pirus angustifolia* Decaisne in Ann. Sci. Nat. Bot. sér. **2**, **4**: 359 (1835), non *Pyrus a.* Aiton (1789).  
*Pyrus Bovei* Steudel, Nomencl. Bot. ed. **2**, **2**: 423 (1841).  
*Pirus Boveana* Decaisne, Jard. Fruit. **1**: t. 10 (1871-2).  
*Pirus parviflora* c. *P. amygdaliformis* Decaisne, op. cit., t. 13, p. [2] (1871-2).  
*Pirus communis* subsp. *amygdaliformis* Braun-Blanquet in Ann. Conserv. Jard. Bot. Genève, **21**: 35 (1919).
- P. amygdaliformis** var. *lobata* (Decne.) Koehne, Deutsche Dendr. **244** (1893) "*β*."  
*Pirus parviflora* c. *P. lobata* Decaisne, Jard. Fruit. **1**: t. 13, fig. b [p. 3] (1871-2).  
*Pyrus amygdaliformis* var. *heterophylla* Dippel, Handb. Laubh. **3**: 363 (1893).  
*Pyrus collivaga* Velenovsky, Fl. Bulg. Suppl. **1**: 97 (1898).
- P. amygdaliformis** var. *cuneifolia* (Guss.) Bean, Trees Shrubs Brit. Isl. **2**: 273 (1914). — Diapulis in Repert. Sp. Nov. Reg. Veg. **34**: 40 (1933).  
*Pyrus cuneifolia* Gussone, Pl. Rar. **202** (1826). — ? Visiani, Fl. Dalmat. **2**: t. 38 (1874).  
? *Pyrus pirainus* Rafinesque in Specchio Sci. **2**: 173 (1814). — Gussone, Fl. Sicul. Syn. **2**: 831 (1843) "*pyrainus*". — Strobl in Oester. Bot. Zeitschr. **36**: 203 (1886) "*pyrainus*".  
*Pyrus parviflora* A. *P. cuneifolia* Decaisne, Jard. Fruit. **1**: t. 13, p. [2] (1871-2).  
*Pirus parviflora* d. *P. pyrainia* Decaisne, l. c. (1871-2).
- P. amygdaliformis** var. *oblongifolia* (Spach) Bean, Trees Shrubs Brit. Isl. **2**: 273 (1914).  
*Pyrus oblongifolia* Spach, Hist. Nat. Vég. Phan. **2**: 128 (1834).
- P. amygdaliformis** var. *persica* (Pers.) Bornmüller in Verh. Zool.-Bot. Ges. Wien, **60**: 110 (1910).
- Pyrus persica* Persoon, Syn. Pl. **2**: 40 [1806]. — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 66 (1906).  
*Pyrus sinaica* Dumont de Courset, Bot. Cult. ed. **2**, **5**: 435 (1811).  
*Pyrus Sinai* Loiseleur in Duhamel, Traité Arb. Arbust. France, ed. augm. [Nouv. Duhamel] **6**: 190, t. 630 [1815].
- P. Michauxii** [? *P. amygdaliformis* × *nivalis*] Bosc ex Poiret, Encycl. Méth. Bot. Suppl. **4**: 452 (1816). — Schneider, Ill. Handb. Laubh. **1**: 658 (1906).
- P. salicifolia** Pallas, Reise Prov. Russ. Reich. **3**: 734, t. N, fig. 3, A, B, (1776). — Linnaeus f., Suppl. Pl. **255** (1781). — Schneider, Ill. Handb. Laubh. **1**: 656, fig. 360c-c<sup>1</sup>, 361c (1906). — Maleiev in Komarov, Fl. S. S. R. **9**: 348, t. 20, fig. 5 (1939).  
*Pyrus argyrophylla* Diapulis in Notizbl. Bot. Gart. Mus. Berlin, **11**: 884 (1933); in Repert. Sp. Nov. Reg. Veg. **34**: 39, t. 143 (1933).
- P. salicifolia** ♀ × *communis* ♂: f. *diversifolia* Focke in Abh. Naturw. Ver. Bremen, **13**: 81, fig. (1896).
- P. glabra** Boissier, Diagn. Pl. Or. sér. **1**, **6**: 53 (1845). — Schneider, Ill. Handb. Laubh. **1**: 655, fig. 360a-a<sup>2</sup>, 361a (1906).
- P. elaeagrifolia** Pallas in Nov. Act. Acad. Sci. Petrop. **7**: 355 (1793). — Ledebour, Fl. Ross. **2**: 95 [1843]. — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 67 (1906). — Maleiev in Komarov, Fl. S. S. R. **9**: 346, t. 20, fig. 3 (1939).  
*Pyrus elaeagnifolia* Steudel, Nomencl. Bot. **670** (1821).  
*Pyrus nivalis* var. *elaeagrifolia* Schneider, Ill. Handb. Laubh. **1**: 658 fig. 361k, 362c-d (1906).  
*Pyrus elaeagrifolia* var. *typica* Diapulis in Repert. Sp. Nov. Reg. Veg. **34**: 36 (1933).
- P. elaeagrifolia** var. *Kotschyana* (Dcne.) Boissier, Fl. Or. **2**: 654 (1872). — E. K. Balls in Gard. Chron. ser. **3**, **98**: 405, fig. 160 (1935).  
*Pyrus Kotschyana* Boissier ex Decaisne, Jard. Fruit. **1**: t. 18 (1871-2).  
*Pyrus nivalis* var. *Kotschyana* Schneider, Ill. Handb. Laubh. **1**: 659, fig. 361l (1906).
- P. nivalis** Jacquin, Fl. Austr. **2**: 4, t. 107 (1774). — Witssek in Verh. Zool.-Bot. Ges. Wien, **54**: 621 (1904). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 64 (1906).  
*Pyrus eriopleura* Reichenbach, Fl. Germ. Excurs. **630** (1832).  
? *Pyrus cuneifolia* Visiani, Fl. Dalmat. **2**: t. 38 (1847); **3**: 245 (1852); vix Gussone (1826).  
*Pyrus nivalis* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 659, fig. 361m, 362a-b (1906).  
*Pirus communis* subsp. *nivalis* Hegi, Ill. Fl. Mittel-Eur. **4,2**: 697, fig. 1033 [1922].
- P. nivalis** f. *austriaca* (Kern.) Schneider, Ill. Handb. Laubh. **1**: 659 (1906). — Rehder, Man. Cult. Trees Shrubs, **404** (1927) "var."  
*Pirus austriaca* Kerner, Sched. Fl. Exsicc. Austr.-Hung. **7**: 15, no. 2437 (1896).
- P. canescens** [*P. nivalis* × *salicifolia*] Spach, Hist. Nat. Vég. Phan. **2**: 129 (1834). — Schneider, Ill. Handb. Laubh. **1**: 656 (1906).
- P. salvifolia** [*P. communis* × *nivalis*] De Candolle, Prodr. **2**: 634 (1825). — Lindley in Bot. Reg. **18**: t. 1482

***Pyrus salvifolia*** (continued)

(1832).—Schneider, Ill. Handb. Laubh. 1: 660, fig. 361n (1906).

*Pirus communis* subsp. *salvifolia* Hegi, Ill. Fl. Mitteleur. 4, 2: 697, fig. 1033 [1922].

**P. communis** Linnaeus, Sp. Pl. 459 (1753).—Schneider, Ill. Handb. Laubh. 1: 661, fig. 362a-e, 352g-k (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 60 (1906), sensu stricto.—Maleiev in Komarov, Fl. S. S. R. 9: 338 (1939).

*Sorbus Pyrus* Crantz, Stirp. Austr. fasc. 2: 56 (1763); ed. 2, 1: 93 (1769).

*Pyrus sylvestris* Moench, Meth. Pl. 679 (1794).

*Pyrus lezania* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 4: P. no. 99; t. 27 (2 t.), fasc. 5 [1807] "*Leziana*" in "Table" ad fin. vol.

*Pyrus pastoralis* Poiteau & Turpin in op. cit. P. no. 68; t. 30, fasc. 5 [1807].

*Pyrus cucurbitina* Poiteau & Turpin in op. cit., P. no. 49; t. 33, fasc. 6 ? [1807].

*Pyrus samsoniana* Poiteau & Turpin in op. cit., P. no. 43; t. 38 (2 t.), fasc. 7 [1807].

*Pyrus bellissima* Poiteau & Turpin in op. cit., P. no. 7; t. 39, fasc. 7 [1807].

*Pyrus calcuosa* Poiteau & Turpin in op. cit., P. no. 59; t. 43, fasc. 8 [1808].

*Pyrus ferax* Poiteau & Turpin in op. cit., P. no. 69–70, t. 48, fasc. 8 [1808].

*Pyrus caumontel* Poiteau & Turpin in op. cit., P. no. 18; t. 56, fasc. 10 [1808].

*Pyrus longipes* Poiteau & Turpin in op. cit., P. no. 22; t. 57, fasc. 10 [1808].

*Pyrus flagellata* Poiteau & Turpin in op. cit., P. no. 65; t. 58, fasc. 10 ? [1808].

*Pyrus magdalena* Poiteau & Turpin in op. cit., P. no. 55; t. 61, fasc. 10 [1808].

*Pyrus cardinalis* Poiteau & Turpin in op. cit., P. no. 33; t. 62, fasc. 12 [1808].

*Pyrus moschatella* Poiteau & Turpin in op. cit., P. no. 61; t. 65, fasc. 11 [1808].

*Pyrus albicans* Poiteau & Turpin in op. cit., P. no. 23; t. 68, fasc. 12 ? [1808].

*Pyrus cinnabarina* Poiteau & Turpin in op. cit., P. no. 105; t. 70, fasc. 12 ? [1808].

*Pyrus maculosa* Poiteau & Turpin in op. cit., P. no. 71; t. 73, fasc. 12 [1808].

*Pyrus castigatrix* Poiteau & Turpin in op. cit., P. no. 34; t. 74, fasc. 13 [1808].

*Pyrus rufa* Poiteau & Turpin in op. cit., P. no. 53; t. 79, fasc. 13 [1808].

*Pyrus fugax* Poiteau & Turpin in op. cit., P. no. 41; t. 82, fasc. 14 [1809].

*Pyrus aquosa* Poiteau & Turpin in op. cit., P. no. 106; t. 84, fasc. 14 [1809 ?].

*Pyrus quercifolia* Poiteau & Turpin in op. cit., P. no. 52; t. 86, fasc. 15 [1809].

*Pyrus germani* Poiteau & Turpin in op. cit., P. no. 98; t. 89, fasc. 15 [1809].

*Pyrus anglica* Poiteau & Turpin in op. cit., P. no. 15; t. 90, fasc. 16 ? [1809].

*Pyrus hispanica* Poiteau & Turpin in op. cit., P. no. 27; t. 94, fasc. 17 [1810].

*Pyrus olentissima* Poiteau & Turpin in op. cit., P. no. 46; t. 98, fasc. 17 [1810].

*Pyrus reperta* Poiteau & Turpin in op. cit., P. no. 42, t. 100, fasc. 17 [1810].

*Pyrus fuscata* Poiteau & Turpin in op. cit., P. no. 58; t. 108, fasc. 19 [1810].

*Pyrus pompeiana aestiva* Poiteau & Turpin in op. cit., P. no. 25; t. 110, fasc. 20 [1810].

*Pyrus elenchus* Poiteau & Turpin in op. cit., P. no. 24; t. 112, fasc. 20 [1810].

*Pyrus pompeiana* Poiteau & Turpin in op. cit., P. no. 28; t. 114, fasc. 20 ? [1810].—Poiteau, Pomol. Franç. 3: P. no. 28; t. 114 (18[38–]46) "*Pompeyana*."

*Pyrus maliformis* Poiteau & Turpin in op. cit., P. no. 48, t. 116, fasc. 20 ? [1810].

*Pyrus regalis* Poiteau & Turpin in op. cit., P. no. 97; t. 118, fasc. 20 [1810].

*Pyrus amoris* Poiteau & Turpin in op. cit., P. no. 72; t. 124, fasc. 22 [1811] = *P. maxima* Poiteau (1846).

*Pyrus butyracea* Poiteau & Turpin in op. cit., P. no. 13; t. 127, fasc. 23 [1811].

*Pyrus aureola* Poiteau & Turpin in op. cit., P. no. 4; t. 129, fasc. 22 ? [181. ?].

*Pyrus amaena* Poiteau & Turpin in op. cit., P. no. 6; t. 142, fasc. 24 [1811].

*Pyrenia Pyrus* [Clairville], Man. Herb. Suisse, 161 (1811).

*Pyrus secundaria* Poiteau & Turpin in op. cit., P. no. 3; t. 145, fasc. 25 ? [181. ?].

*Pyrus sanguinolenta* Poiteau & Turpin in op. cit., P. no. 101; t. 146, fasc. 25 [181. ?].

*Pyrus beuveria* Poiteau & Turpin in op. cit., P. no. 8; t. 148, fasc. 25 ? [181. ?].

*Pyrus semiustulata* Poiteau & Turpin in op. cit., P. no. 35; t. 152, fasc. 26 [181. ?].

*Pyrus dolifera* Poiteau & Turpin in op. cit., P. no. 88; t. 153, fasc. 26 ? [181. ?].

*Pyrus aurantium rubrum* Poiteau & Turpin in op. cit., P. no. 64; t. 191, fasc. 32 ? [1826].—Poiteau, Pomol. Franç. 3: P. no. 64; p. 76\*, t. 191 (18[38–]46).—Durand & Jackson in Index Kew. Suppl. 1: 486 (1906) "*aurantiacum*" sphalm.

*Pyrus vallis* Poiteau & Turpin in op. cit., P. no. 89; t. 194, fasc. 33 ? [1826].

*Pyrus ronvilla* Poiteau & Turpin in op. cit., P. no. 92; t. 195, fasc. 33 [1826].

*Pyrus remensis* Poiteau & Turpin in op. cit., P. no. 93; t. 200, fasc. 34 [1826].

*Pyrus tener* Poiteau & Turpin in op. cit., P. no. 83; t. 212, fasc. 36 ? [1826].

*Pirus communis* γ. *sativa* (*duriuscula*) a. *nana*, b. *intermedia* (p. 40), c. *gigantea* (p. 41), (*mollie*) a. *aurantiaca*, b. *butyracea* (p. 43), c. *obesa*, d. *serotina* Dierbach in Mag. Pharm. 20: 39–43 (Uebers. Heidelb. Wildw. Pfl.) (1827).

*Pyrus tardiflora* Poiteau & Turpin in op. cit., P. no. 96; t. 217, fasc. 37 [1827].

*Pyrus rubricata* Poiteau & Turpin in op. cit., P. no. 94; t. 220, fasc. 37 [1827].

*Pyrus cypria* Poiteau & Turpin in op. cit. P. no. 78, t. 236, fasc. 40 [1827].

*Pyrus papulata* Poiteau & Turpin in op. cit., P. no. 63; t. 239, fasc. 40 ? [1827].

*Pyrus libralis* Poiteau & Turpin in op. cit., P. no. 80; t. 244, fasc. 41 [1827].

*Pyrus bressensis* Poiteau & Turpin in op. cit. P. no. 30; t. 254, fasc. 43 [1827].

*Pyrus ardenponti* Poiteau & Turpin in op. cit., P. no. 39; t. 258, fasc. 43 [1827].

*Pyrus pompeiana moschata* Poiteau & Turpin in op. cit., P. no. 26; t. 259, fasc. 43 ? [1827].

*Pyrus robiniana* Poiteau & Turpin in op. cit., P. no. 91; t. 267, fasc. 45 [1828].



- Pyrus nemorum* Poiteau & Turpin in op. cit., *P.* no. 51; t. 275, fasc. 46 ? [1828].
- Pyrus heryana* Poiteau & Turpin in op. cit., *P.* no. 19; t. 277, fasc. 47 ? [1828].
- Pyrus ludovica* Poiteau & Turpin in op. cit., *P.* no. 54; t. 280, fasc. 47 ? [1828].
- Pyrus guinnensis* Poiteau & Turpin in op. cit., *P.* no. 36; t. 282, fasc. 47 [1828].
- Pyrus apyrena* Poiteau & Turpin in op. cit., *P.* no. 84; t. 283, fasc. 48 [1829].
- Pyrus depicta* Poiteau & Turpin in op. cit., *P.* no. 77, t. 290, fasc. 49 ? [1829].
- Pyrus oleaginosa* Poiteau & Turpin in op. cit., *P.* no. 87; t. 293, fasc. 49 ? [1829].
- Pyrus dilecta* Poiteau & Turpin in op. cit., *P.* no. 9; t. 299, fasc. 50 ? [1829].
- Pyrus marchionissa* Poiteau & Turpin in op. cit., *P.* no. 57; t. 303, fasc. 51 [1829].
- Pyrus crastina* Poiteau & Turpin in op. cit., *P.* no. 37; t. 305, fasc. 51 [1829].
- Pyrus duplex* Poiteau & Turpin in op. cit., *P.* no. 40; t. 306, fasc. 51 [1829].
- Pyrus salviati* Poiteau & Turpin in op. cit., *P.* no. 100; t. 308, fasc. 52 [1829].
- Pyrus neapolitana* Poiteau & Turpin in op. cit., *P.* no. 81, t. 312, fasc. 52 [1829].
- Pyrus maculosa* Poiteau & Turpin in op. cit., *P.* no. 1; t. 317, fasc. 53 [1829], non Poiteau & Turpin [1808].
- Pyrus montana* Poiteau & Turpin in op. cit., *P.* no. 21, t. 320, fasc. 54 ? [1829].
- Pyrus splendens* Poiteau & Turpin in op. cit., *P.* no. 66; t. 321, fasc. 54 [1829].
- Pyrus exaltata* Poiteau & Turpin in op. cit., *P.* no. 103, t. 319, fasc. 54 ? [1829].
- Pyrus provincialis* Poiteau & Turpin in op. cit., *P.* no. 85; t. 326, fasc. 55 [1829].
- Pyrus oviformis* Poiteau & Turpin in op. cit., *P.* no. 82; t. 327, fasc. 55 ? [1829].
- Pyrus virgolensis* Poiteau & Turpin in op. cit., *P.* no. 108; t. 332, fasc. 56 [1829].
- Pyrus lageniformis* Poiteau & Turpin in op. cit., *P.* no. 95; t. 333, fasc. 56 [1829].
- Pyrus angeli* Poiteau & Turpin in op. cit., *P.* no. 73; t. 335, fasc. 56 ? [1829].
- Pyrus romana* Poiteau & Turpin in op. cit., *P.* no. 16; t. 348, fasc. 58 ? [1830].
- Pyrus silvani* Poiteau & Turpin in op. cit., *P.* no. 104, t. 351, p. 414, fasc. 59 ? [1830 ?]. "Sylvani in Tab."—ad fin. vol.
- Pyrus lagenaria* Poiteau & Turpin in op. cit., *P.* no. 75; t. 366, fasc. 61 ? [1830].
- Pyrus augusti* Poiteau & Turpin in op. cit., *P.* no. 5; t. 384, fasc. 64 ? [1830].
- Pyrus ambrosiaca* Poiteau & Turpin in op. cit., *P.* no. 2; t. 387, fasc. 65 [1830].
- Pyrus chaptalia* Poiteau & Turpin in op. cit., *P.* no. 76; t. 388, fasc. 65 ? [1830].
- Pyrus sulzeriensis* Poiteau & Turpin in op. cit., *P.* no. 11; t. 393, fasc. 66 [1830].
- Pyrus descampi* Poiteau & Turpin in op. cit., *P.* no. 40; t. 396, fasc. 66 ? [1830].
- Pyrus fuscata* Poiteau & Turpin in op. cit., *P.* no. 62; t. 395, fasc. 66 [1833], non *fuscata* t. 108 [1810].
- Pyrus unguentula* Poiteau & Turpin in op. cit., *P.* no. 32; t. 397, fasc. 67 ? [1833].
- Pyrus viridis* Poiteau & Turpin in op. cit., *P.* no. 102; t. 398, fasc. 67 [1833].
- Pyrus vinetorum* Poiteau & Turpin in op. cit., *P.* no. 90; t. 399, fasc. 67 ? [1833].
- Pyrus fasciata* Poiteau & Turpin in op. cit., *P.* no. 10; t. 404, fasc. 68 [1834].
- Pyrus deliciosa* Poiteau & Turpin in op. cit., *P.* no. 20; t. 405, fasc. 68 [1834].
- Pyrus femoriformis* Poiteau & Turpin in op. cit., *P.* no. 38; t. 406, fasc. 68 [1834].
- Pyrus sabina* Poiteau & Turpin in op. cit., *P.* no. 86; t. 408, fasc. 68, [1834].
- Pyrus succedanea* Poiteau & Turpin in op. cit., *P.* no. 12; t. 411, fasc. 69 [1835].
- Pyrus conspersa* Poiteau & Turpin in op. cit., *P.* no. 50; t. 417, fasc. 70 ? [1835].
- Pyrus viridis* Poiteau & Turpin in op. cit., *P.* no. 47; t. 418, fasc. 70 ? [1835], non *P. viridis*, t. 390 [1833].
- Pyrus inculissimensis* Poiteau & Turpin in op. cit., *P.* no. 44; t. 422, fasc. 71 [1835].
- Pyrus arenbergia* Poiteau & Turpin in op. cit., *P.* no. 17; p. 424, t. "Beurre d'Arenberg", fasc. 71 ? [1835]. — Poiteau, *Pomol. Franç.* 3: *P.* no. 17; p. 31\*, t. (18[38-]46). — Durand & Jackson in *Index Kew. Suppl.* 1: 486 (1906) "*Arenbergii*".
- Pyrus exquisita* Poiteau & Turpin in op. cit., *P.* no. 67; t. 425, fasc. 71 ? [1835].
- Pyrus fontanesia* Poiteau & Turpin in op. cit., *P.* no. 79; p. 426, t. "Longue verte", fasc. 71 ? [1835] = *P. aquosa* Poit. (1846).
- Pyrus anglica brumalis* Poiteau, *Pomol. Franç.* 3: *P.* no. 7; p. 139\*, t. 39 (18[38-]45) = *P. bellissima* Poiteau & Turpin [1807].
- Pyrus moschata regalis* Poit. & Turp. ex Poiteau, *Pomol. Franç.* 3: *P.* no. 60; p. 182, t. 253 (18[38-]46) = "Musquat Royale" Poiteau & Turpin (1827).
- Pyrus aquosa* Poiteau, op. cit. *P.* no. 104; p. 215, t. "Longue-verte (18[38-]46) = *P. fontanesia* Poit. & Turpin (1835).
- Pyrus maxima* Poit. & Turp. ex Poiteau, op. cit., *P.* no. 71; t. 124 (18[38-]46) = *P. amoris* Poiteau & Turpin (1811).
- ?*Pyrus aestivalis* et *P. tardevieta* Lamotte, *Prodr. Fl. Plat. Centr. France*, 1: 279, 280 (1877).
- Pyrus transversalis*, fig. 77 (p. 425), *P. aequalis*, fig. 78, *P. macrocarpa*, fig. 79 (p. 426), *P. subglobosa*, fig. 80, *P. rufa*, fig. 81, non Poiteau & Turpin [1808], *P. canescens*, fig. 82, non Spach (1834), *P. cineracea*, fig. 83 (p. 427), *P. ferox*, fig. 84, *P. elongata*, fig. 85, *P. tomentosa*, fig. 86, *P. macropoda*, fig. 87 (p. 428), A. Savatier in *Compt. Rend. Assoc. Franç. Avanc. Sci.* 11(Rochelle, 1882): 425-428 (1883).
- P. communis** var. **Pyraster** Linnaeus, *Sp. Pl.* 479 (1753) "β." — Schneider, *Ill. Handb. Laubh.* 1: 661 (1906).
- Pirus Achras* Gaertner, *Fruct. Sem.* 2: 44, t. 97, g. 2 (1791).
- Pyrus Pyraster* Borkhausen, *Theor.-prakt. Handb. Forstbot.* 2: 1287 (1803).
- Pyrus communis* a. *Achras* Wallroth, *Sched. Crit. Fl. Hal.* 1: 213 (1822).
- Pyrus communis* a. *glabra* Koch, *Syn. Fl. Germ. Helv.* 235 (1837).
- Pyrus communis* β. *tomentosa* Koch, l. c. (1837).
- Pyrus communis* γ. *dasyphylla* Tausch in *Flora*, 21: 716 (1838).
- Pirus communis* II. *tomentosa* Koch 1b. *Achras* Kuntze, *Taschen-Fl.* Leipzig, 273 (1867).
- Pirus communis* I. A. *P. Achras* 1. *glabra* et 2. *dasyphylla* Ascherson & Graebner, *Syn. Mitteleur. Fl.* 6,2: 62 (1906).
- Pirus communis* II. B. *P. Piraster* Ascherson & Graebner, l. c. (1906).

***Pyrus communis* var. *Pyraster* (continued)**

*Pyrus communis* subsp. *Piraster* var. *Piraster* et var. *Achras* Hegi, Ill. Fl. Mittel-Eur. 42: 696 [1922].

**P. communis** var. **cordata** (Desv.) Briggs in Jour. Bot. 25: 208 (1837).—Schneider, Ill. Handb. Laubh. 1: 661 (1906) "f."

*Pyrus cordata* Desvaux, Obs. Pl. Angers, 152 (1818).—Decaisne, Jard. Fruit. 1: t. 3 (1871–2), p. p., exclud. tab.—Syme, Engl. Bot. ed. 3, 13: 177, t. 488a (1899).

*Pyrus communis* var. *Briggsii* Syme in Rep. Bot. Exch. Club, 1870: 11 (1871).

*Pyrus Pyraster* f. *cordata* Gillot in Rev. de Bot. 1: 269 (1883).

**P. communis** var. **sativa** [DC.] De Candolle, Prodr. 2: 634 (1825) "γ."—Schneider, Ill. Handb. Laubh. 1: 662 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 62: 63 (1906) "*Pyrus c. P. s.*"

*Pyrus domestica* Medicus, Gesch. Bot. 87 (1793).

*Pyrus sativa* De Candolle in Lamarck & De Candolle, Fl. Franç. 4: 430 (1805), p. p.

*Pyrus communis* β. *hortensis* Beck, Fl. Nieder-Öster. 709 (1892).

**P. Balansae** Decaisne, Jard. Fruit. 1: t. 6 (1871–2).—Schneider, Ill. Handb. Laubh. 1: 663, fig. 361p. (1906).

**P. syriaca** Boissier, Diagn. Pl. Or. sér. 1, 10: 1 (1849).—Decaisne, Jard. Fruit. 1: t. 9 (1871–2).—Schneider, Ill. Handb. Laubh. 1: 660, fig. 361o, 362e–f (1906).—Maleiev in Komarov, Fl. S. S. S. R. 9: 350, t. 21, fig. 1 (1939).

**P. Korshinskiyi** Litvinov in Trav. Mus. Bot. Acad. Sci. St. Pétersb. 1: 17 (1902).—Schneider, Ill. Handb. Laubh. 1: 655, fig. 360g–g<sup>1</sup> (1906).—Maleiev in Komarov, Fl. S. S. S. R. 9: 352, t. 21, fig. 3 (1939).

**P. bucharica** Litvinov in op. cit. 18 (1902).—Schneider, Ill. Handb. Laubh. 1: 655, fig. 359a–b, 360h (1906).—Maleiev in Komarov, Fl. S. S. S. R. 9: 356, t. 21, fig. 5 (1939) "*P. Regeli* × *Korshinskiyi*."

**P. Regelii** Rehder in Jour. Arnold Arb. 20: 97 (1939).—Maleiev in op. cit. 355, t. 21, fig. 4 (1939).

*Pyrus heterophylla* Regel & Schmalhaus in Act. Hort. Petrop. 5: 581 (1878), non Pott (1800), nec (Spach) Steudel [1841].

*Pyrus heterophylla Koopmannii* Späth, Haupt-Preisverz. 76: 2, fig. (1889).—Zabel in Beissner et al., Handb. Laubh.-Ben. 184 (1903) "(f.)", nom.

*Pyrus heterophylla* var. *dissecta* Hort. Kew. ex Schneider, Ill. Handb. Laubh. 1: 655, fig. 359g (1906), nom. dub.

**P. ussuriensis** Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 132 (1857); in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 102 (Prim. Fl. Amur.) (1859).—Rehder in Proc. Am. Acad. Arts Sci. 50: 227 (1915).—Nakai, Fl. Sylv. Kor. 6: 49, t. 19 (1916).—Maleiev in Komarov, Fl. S. S. S. R. 9: 341, t. 20, fig. 2 (1939).

*Pyrus communis* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 101 (Enum. Pl. Chin. Bor. 27. 1833) (1835), p. p.; non Linnaeus (1753).

*Pyrus Simonii* Carrière in Rev. Hort. 1872: 28, fig. 3 (1872).

*Pyrus sinensis* sensu Decaisne, Jard. Fruit. 1: t. 5 (1871–2).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 19: 172 (in Mém. Biol. 9: 168) (1873), p. p.—Non Poiret (1816), nec Lindley (1826).

*Pyrus sinensis a. ussuriensis* Makino in Bot. Mag. Tokyo, 22: 69 (1908).

*Pyrus sinensis a. silvestris* Makino msc. ex Makino, l. c. (1908), pro syn.

?*Pyrus macrostipes* Nakai, Fl. Sylv. Kor. 6: 52, t. 22 (1915).

**P. ussuriensis** var. **ovoidea** (Rehd.) Rehder in Jour. Arnold Arb. 2: 60 (1920).

?*Pyrus chinensis* Roxburgh, Hort. Bengal. 38 (1814), nom.; Fl. Ind. [ed. 2] 2: 511 (1832); non *P. sinensis* Poiret (1816), nec Lindley (1826).

?*Pyrus Roxburghii* K. Koch, Hort. Dendr. 183 (1853).

*Pyrus sinensis* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 257 (1887).—Schneider, Ill. Handb. Laubh. 1: 663, fig. 364c–d (1906), p. p.—Non Poiret (1816), nec Lindley (1826).

*Pyrus ovoidea* Rehder in Proc. Am. Acad. Arts Sci. 50: 228 (1915).—Nakai, Fl. Sylv. Kor. 6: 48, t. 17 (1916).

*Pyrus Simonii* Hort. ex Rehder, l. c. (1915), pro syn.; non Carrière (1872).

**P. ussuriensis** var. **hondoensis** (Kikuchi & Nakai) Rehder in Jour. Arnold Arb. 2: 59 (1920).

*Pyrus ferruginea* Koidzumi in Bot. Mag. Tokyo, 29: 158 (1915), non Hooker f. (1878).

*Pyrus rufoferruginea* Koidzumi in op. cit. 311 (1915).

*Pyrus aromatica* Kikuchi & Nakai in Bot. Mag. Tokyo, 32: 33 (1918).

*Pyrus hondoensis* Kikuchi & Nakai in op. cit. 34 (1918).

**P. Lindleyi** Rehder in Proc. Am. Acad. Arts Sci. 50: 230 (1915).

*Pyrus sinensis* Lindley in Trans. Hort. Soc. Lond. 6: 396 (1826); in Bot. Reg. 15: t. 1248 (1829); non Poiret (1816).

**P. Bretschneideri** Rehder in Proc. Am. Acad. Arts Sci. 50: 23 (1915).

*Pyrus serotina* sensu Hedrick, Pears New York, 74, t. (1921), p. p. quoad tab.; non Rehder (1915).

**P. pyrifolia** (Burm.) Nakai in Bot. Mag. Tokyo, 40: 564 (1926).

*Ficus pyrifolia* Burmann f., Fl. Ind. 226 (1768).

*Pyrus communis* var. *autumnalis* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12, 1: 66 (Syn. Pl. Oec. Jap.) (1830).

*Pyrus serotina* Rehder in Proc. Am. Acad. Arts Sci. 50: 231 (1915, June).

*Pyrus montana* Nakai, [Fl. Mt. Chirisan, 35, 76, 78] (Rep. Veg. Mt. Chirisan) (1915, March), nom.; Fl. Sylv. Kor. 6: 53, t. 23 (1916), non Poiteau & Turpin [1808].

*Pyrus sinensis* sensu auct. Jap. ex Nakai, l. c. (1916), pro syn.; non Poiret (1816), nec Lindley (1826).

?*Pyrus autumnalis* Koidzumi in Bot. Mag. Tokyo, 43: 383 (1929).

*Pyrus Kleinhofiana* Koidzumi in op. cit. 384 (1929).

**P. pyrifolia** f. **Stapfiana** (Rehd.) Rehder in Jour. Arnold Arb. 20: 96 (1939).

*Pyrus sinensis* sensu Stapf in Bot. Mag. 134: t. 8226 (1908), quoad pl. depict.; non Poiret (1816), nec Lindley (1826).

*Pyrus serotina* var. *Stapfiana* Rehder in Proc. Am. Acad. Arts Sci. 50: 233 (1915).

**P. pyrifolia** var. **culta** [Makino] Nakai in Bot. Mag. Tokyo, 40: 564 (1926).

?*Pyrus communis* sensu Thunberg, Fl. Jap. 207 (1784), non Linnaeus (1753).

- Pyrus communis* c. *hiemalis* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**, 1: 66 (Syn. Pl. Oec. Jap. no. 349) (1830), nom. nud.
- Pyrus communis* β. *sinensis* K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 248 (1864); **3**: 40 (Prol. Fl. Jap. 228) (1866), non *P. sinensis* Lindley (1826).
- Pyrus Sieboldii* Carrière in Rev. Hort. **1880**: 110, t. (1880), non Regel (1859).
- Pyrus sinensis* sensu Bailey, Cycl. Am. Hort. **3**: 1470 (1901), p. p.; non Poirét (1816), nec Lindley (1826).
- Pyrus japonica* Hort. ex Bailey, l. c. (1901), pro syn.; non Thunberg (1784).
- Pyrus sinensis* β. *culta* Makino in Bot. Mag. Tokyo, **22**: 69 (1908), p. p.
- Pyrus serotina* var. *culta* Rehder in Proc. Am. Acad. Arts Sci. **50**: 233 (1915).
- Pyrus montana* var. *Rehderi* Nakai, Fl. Sylv. Kor. **6**: 53 (1916).
- P. Lecontei** (*P. communis* × *pyrifolia*) Rehder in Jour. Arnold Arb. **7**: 28 (1926).
- P. serrulata** Rehder in Proc. Am. Acad. Arts Sci. **50**: 234 (1915); in Jour. Arnold Arb. **2**: 60 (1920).
- P. phaeocarpa** Rehder in op. cit. 235 (1915).  
*Pyrus ussuriensis* sensu Lauche in Monatsschr. Ver. Beförd. Gartenb. Preuss. **22**: 318, t. 4 (1879), quoad fruct.; non Maximowicz (1857).
- P. phaeocarpa** f. *globosa* Rehder in op. cit. 236 (1915).
- P. betulaeifolia** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 101 (Enum. Pl. Chin. Bor. 27. 1833) (1835). — Rehder in Proc. Am. Acad. Arts Sci. **50**: 236 (1915). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 69 (1906) "*Pyrus betulifolia*".  
*Malus betulifolia* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, **2**: 292 (1883).
- P. Cossonii** Rehder in Jour. Arnold Arb. **27**: 317 (1946).  
*Pyrus longipes* Cosson & Durieu in Bull. Soc. Bot. France, **2**: 310 (1855). — Trabut in Bull. Stat. Recherch. For. N. Afr. **1**: 116, fig. 1, t. 4 (Poir. Indig. Afr.) (1916) "*Pirus*". — Non Poiteau & Turpin [1808].  
*Malus longipes* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, **2**: 292 (1883).
- Pyrus macropoda* Rehder in Jour. Arnold Arb. **27**: 170 (1946), non A. Savatier (1882).
- P. Boissieriana** Buhse in Nouv. Mém. Soc. Nat. Moscou, **12**: 87 (Aufz. Reise Transkauk. Pers. Pfl.) (1860). — Schneider, Ill. Handb. Laubh. **1**: 663, fig. 363g, 364b (1906).
- Pyrus cordata* Decaisne, Jard. Fruit. **1**: t. 3 (1871–2), p. p.; non Desvaux (1818).
- P. Pashia** Hamilton ex D. Don, Prodr. Fl. Nepal. 236 (1825). — Hooker f., Fl. Brit. Ind. **2**: 374 (1879). — Rehder in Proc. Am. Acad. Arts Sci. **50**: 238 (1915); in Sargent, Pl. Wilson. **2**: 264 (1916).
- Pyrus variolosa* Wallich, Num. List, no. 680 [1829], nom. nud. — G. Don, Gen. Syst. Dichlam. Pl. **2**: 622 (1832).
- Pyrus verruculosa* Bertoloni in Mem. Accad. Sci. Bologna, ser. 2, **4**: 312 (Pianta As. 2) (1864).
- Pirus heterophylla* Hort. ex Decaisne, Jard. Fruit. **1**: 328 in textu, t. 7 (*P. Pashia* var. *trigyna*) (1871–2) pro syn.; non Pott (1800), nec Steudel (1841).
- Pyrus nepalensis* hort. ex Decaisne, l. c. (1871–2) pro syn. — Herb. Hamilton et Hort. ex Hooker f., Fl. Brit. Ind. **2**: 374 (1879), pro syn.
- Malus Pashia* Wenzig in Jahrb. Bot. Gart. Mus. Berlin, **2**: 292 (1883), p. p.
- P. Pashia** var. *kumaoni* (Decne.) Stapf in Bot. Mag. **135**: t. 8256 (1909). — Rehder in Sargent, Pl. Wilson. **2**: 265 (1916).
- Pirus Kumaoni* Decaisne, Jard. Fruit. **1**: 328, in textu p. [2], t. 7 (*P. Pashia* var. *trigyna* (1871–2)). — Hooker f., Fl. Brit. Ind. **2**: 374 (1879) "*Pyrus kumaoni*".
- Pyrus Wilhelmi* Schneider, Ill. Handb. Laubh. **1**: 665, fig. 383n (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 120 (1906).
- P. Kawakamii** Hayata in Jour. Coll. Sci. Tokyo, **30**, 1: 99 (Mat. Fl. Formos.) (1911). — Kanehira, Formos. Trees, **26**, fig. (1917). — Rehder in Jour. Arnold Arb. **2**: 61 (1920).
- Pyrus Koehnei* sensu Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 57 (1913), quoad syn. Hayata et pl. formos. — Rehder in Proc. Am. Acad. Arts Sci. **50**: 238 (Syn. Chin. Spec. Pyrus) (1915). — Non Schneider (1906).
- P. Calleryana** Decaisne, Jard. Fruit. **1**: 329, in textu p. [2], t. 8 (*P. Jacquemontiana*) (1871–2). — Rehder in Proc. Am. Acad. Arts Sci. **50**: 237 (1915); in Sargent, Pl. Wilson. **3**: 264 (1916).
- P. Calleryana** f. *graciliflora* Rehder in Jour. Arnold Arb. **2**: 61 (1920); Man. Cult. Trees Shrubs, 407 (1927) "var."
- P. Calleryana** f. *tomentella* Rehder, l. c. (1920); l. c. (1927) "var."
- P. Calleryana** var. *dimorphophylla* (Mak.) Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 56 (1913). — Rehder in Proc. Am. Acad. Arts Sci. **50**: 238 (1915).
- Pyrus Calleryana* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 172 (in Mém. Biol. **9**: 169) (1873), p. p. quoad pl. jap.
- Pyrus dimorphophylla* Makino in Bot. Mag. Tokyo, **22**: 65 (1908).
- P. Calleryana** var. *Fauriei* (Schneid.) Rehder in Jour. Arnold Arb. **2**: 61 (1920).
- Pyrus Fauriei* Schneider, Ill. Handb. Laubh. **1**: 666, fig. 363d<sup>2</sup> (1906); in Repert. Sp. Nov. Reg. Veg. **3**: 121 (1906). — Nakai, Fl. Sylv. Kor. **6**: 54, t. 24 (1916).
- Pyrus Calleryana* var. *Fauriei* Nakai msc. ex Nakai, l. c. (1916), pro syn.
- Subfam. III. ROSEIDAE Focke in Nat. Pflanzenfam. III. **3**: 13 (1888).
- Fragariaceae* Nestler, Monog. Potentilla, 14 (1916), nom. altern.
- Rosaceae* sect. II. *Rosaceae* (p. 261), sect. III. *Potentilleae* (p. 262), sect. IV. *Sanguisorbeae* (p. 264), Hooker, Fl. Scot. 261–264 (1821).
- Rosaceae* Bbβ. *Calycocarpeae* T. F. L. Nees von Esenbeck in Verh. Leop.-Carol. Akad. Naturf. **3**, 1(11,1): 114 (1823), quoad *Rosa*; nom. subnud.
- Rosaceae* §. 3. *Fragariaceae*, 4. *Roseae*, 5. *Sanguisorbeae* Lindley, Syn. Brit. Fl. 90, 99, 102 (1829).
- Sanguisorbeae* Lindley, Introd. Nat. Syst. Bot. 80 (1830).
- Rosaceae* b. *Dryadeae* Horaninov, Prim. Lin. Syst. Nat. 88 (1834). — Gray, Bot. Text-book, 266 (1842) "trib."
- Cliffortiaceae* Martius, Consp. Reg. Veg. 47 (1835).
- Rosaceae* sensu K. Koch, Dendr. **1**: 223 (1869). — Schneider, Ill. Handb. Laubh. **1**: 499 (1906). — Non Jussieu (1789), sensu lato.
- Poteriaceae* Luerssen, Grundzüge Bot. 376 (1877).

## Subfam. III. ROSEOIDEAE (continued)

*Dryadaceae* I. *Rubeae* et II. *Potentilleae* Luerssen, l. c. (1877).

*Rosaceae* subfam. *Dryadeae* A. *Rubeae* et B. *Potentilleae* Luerssen, op. cit. ed. 2, 43 (1881).

*Rosaceae* subfam. *Poterieae* Luerssen, l. c. (1881).

*Rosaceae* [§] *Kerrioideae* Juel in Svenska Vetensk.-Akad.

Handl. 58,5: 28 (Beitr. Syst. Rosac.) (1918).

*Rosaceae* [§] *Dryadoideae* Juel in op. cit. 55 (1918).

**NEVIUSIA** Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 37 (1857; in Proc. Am. Acad. Arts Sci. 4: 99 (1858).—Bentham & Hooker f., Gen. Pl. 1: 613 (1865) "*Neviusa*".—Baillon in Bull. Soc. Linn. Paris, 1: 280 (1889) "*Neviusa*".

Typus: *N. alabamensis* Gray.

**N. alabamensis** Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 373 (1857).—Hooker f. in Bot. Mag. 61: t. 6806 (1885) "*Neviusa a.*"—Rydberg in Am. Fl. 22: 481 (1918).

**KERRIA** De Candolle in Trans. Linn. Soc. Lond. 12: 156 (1817).—Bentham & Hooker f., Gen. Pl. 1: 613 (1865). *Spiraea* sect. *Keria* Desvaux in Mém. Soc. Linn. Paris, 1: 25 (1822).

Typus: *Rubus japonicus* L. = *K. japonica* (L.) DC.

**K. japonica**: see Additions and Emendations.

**K. japonica** f. *aureo-vittata* (Hartw. & Rümpl.), grad. nov.

*Kerria japonica* var. *aureo-vittata* Hartwig & Rümpler, Bäume Sträuch. 317 (1875).

*Kerria japonica* (f.) *vittato-ramosa* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 201 (1903), nom.—Schneider, Ill. Handb. Laubh. 1: 502 (1906).

*Kerria japonica* ramulis *variegatis aureis* Hort. ex Phelps Wyman in Bailey, Cycl. Am. Hort. [2]: 858 (1900), pro syn.

**K. japonica** f. *picta* (Siebold), grad. nov.

*Kerria japonica* γ. *foliis variegatis* Siebold & Zuccarini, Fl. Jap. 1: 183 [1841].

*Kerria japonica* var. *picta* Siebold in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. 1844: 40, t. 1 (1844).

*Kerria japonica* fol. *argenteo-variegatis* Lemaire, Ill. Hort. 9: t. 336 (1862).

*Kerria japonica* *variegata* [Th. Moore] in Proc. Hort. Soc. Lond. 3: 163 (1863).—Zabel in Beissner et al., Handb. Laubh.-Ben. 201 (1903) "(f.) *variegata* (marginata)" —Schneider, Ill. Handb. Laubh. 1: 502 (1906) "f. v."

*Kerria japonica* fol. *argenteo-marginatis* Jacob-Makoy in Belg. Hort. 15: 146 (1865).

*Kerria japonica* var. *argenteo-variegata* Phelps Wyman in Bailey, Cycl. Am. Hort. [2]: 858 (1900).

**K. japonica** f. *aureo-variegata* (Rehd.), grad. nov.

*Kerria japonica* aurea *variegata* Bean, Trees Shrubs Brit. Isl. 1: 683 (1914).

*Kerria japonica* var. *aureo-variegata* Rehder, Man. Cult. Trees Shrubs, 408 (1927).

**K. japonica** f. *pleniflora* (Witte), grad. nov.

*Corchorus*? *japonica flore pleno* Andrews, Bot. Repos. 9: t. 587 [1809].

*Kerria japonica* var. *a. floribus plenis* Siebold & Zuccarini, Fl. Jap. 1: 183, t. 98, fig. 3 [1841].

*Kerria japonica* var. *pleniflora* Witte, Flora Afbeeld. Beschrijv. 261, t. 66 (1868).—L. C. C[hadwick] in Am. Nurseryman, 83,12: 10, fig. (1946) "*K. j. p.*"

*Kerria japonica* f. *plena* Schneider, Ill. Handb. Laubh. 1: 502, fig. 305b (1906).—Makino in Bot. Mag. Tokyo, 28: 185 (1914) "var. β."

**RHODOTYPOS** Siebold & Zuccarini, Fl. Jap. 1: 185 (1841).—Bentham & Hooker f., Gen. Pl. 1: 613 (1865).

Typus: *R. kerrioides* Sieb. & Zucc. = *R. scandens* (Thunb.) Mak.

**R. scandens** (Thunb.) Makino in Bot. Mag. Tokyo, 27: 126 (1913).

*Corchorus scandens* Thunberg in Trans. Linn. Soc. Lond. 2: 335 (1794).

*Kerria tetrapetala* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12,1: 69 (1830), nom.

*Rhodotypos kerrioides* Siebold & Zuccarini, Fl. Jap. 1: 187, t. 99 (1841).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 300 (1915) "*Rhodotypos*".

*Rhodotypos tetrapetala* Makino in Bot. Mag. Tokyo, 17: 13 (1903).—Nakai, Fl. Sylv. Kor. 7: 43, t. 15 (1918).

**RUBUS** Linnaeus, Sp. Pl. 482 (1753); Gen. Pl. ed. 5, 217, no. 556 (1754).—Bentham & Hooker f., Gen. Pl. 1: 616 (1865).—Focke in Bibl. Bot. (vol. 17) 72: 1–223, 87 fig. (Spec. Rub. 1–2) (1910–11); (vol. 19) 83: 1–274, 67 fig. (Spec. Rub. 3: 225–498) (1914).—Rydberg in N. Am. Fl. 22: 428 (1913).—Bailey in Gent. Herb. 5: 1–588, fig. 1–270 (1941–4); 6: 323–364, fig. 166–185 (1944); 5: 591–856, fig. 271–399 (1945).

*Dalibarda* Linnaeus, Sp. Pl. 491 (1753).

*Ametron* Rafinesque, l. c. (1838).

LECTOTYPUS: *R. fruticosus* L.

Subgen. I. DALIBARDASTRUM Focke in Bibl. Bot. 72: 39 (1910).

**R. barbatus** Edgeworth in Trans. Linn. Soc. Lond. 20: 46 [1846], nom. event.—Rehder in Jour. Arnold Arb. 23: 377 (1942).

*Rubus nutans* Wallich, Num. List, no. 738 [1829] nom.—Edgeworth in op. cit. 45 [1846].—Focke in Bibl. Bot. 72: 39 (1910).—Rehder, Man. Cult. Trees Shrubs, 410 (1927); ed. 2, 409 (1940).—Non Vest (1824).

**R. tricolor** Focke in Bibl. Bot. 72: 40 (1910); in Sargent, Pl. Wilson. 1: 49 (1911).—Sealy in Bot. Mag. 161: t. 9434 (1939).

*Rubus polytrichus* Franchet, Pl. Delavay. 203 [1890], non Progel (1882).

**R. Treutleri** Hooker f., Fl. Brit. Ind. 2: 331 (1878).—Focke in Bibl. Bot. 72: 40 (1910).

*Rubus rosulans* Kuntze, Meth. Spec. Rubus, 65, 78 (1879).

Subgen. II. CHAMAEMORUS [Hill] Focke in Bibl. Bot. 72: 12 (1910).

*Chamaemorus* Hill, Brit. Herbal, 331 (1756).—Ehrhart, Beitr. Naturk. 4: 147 (1789) "uninom."—Greene, Leaf. Bot. Obs. 1: 245 (1906).

*Rubus Ser. Hostiana*\* Trattinnick, Rosac. Monog. 3: 65 (1823), p. p.

\* In *Series Hostiana*, as in other subdivisions of *Rubus* proposed by Trattinnick, the word *Hostiana* is obviously not a noun of feminine gender as might be supposed in spite of its adjectival ending, but an adjective belonging to the term *Series* and not as usual an adjective in plural belonging to *Rubus*, for in that case it would be "*Hostiani*." Therefore it should be cited *Series Hostiana* and not "*series Hostiana*." This is an unusual terminology and does not conform to the Rules (cf. Art. 24), but from Trattinnick's enumeration of his series of *Rosa* in the preface (Rosac. Monog. 1: ix) it is clear that this is what he had in mind.

- Rubus* sect. *Chamaemorus* Focke in Abh. Naturw. Ver. Bremen, **4**: 142, 145 (1874).
- Rubus* I. *Chamaemori* Rydberg in N. Am. Fl. **22**: 435 (1913).
- R. chamaemorus** Linnaeus, Sp. Pl. 494 (1753).—Britton & Brown, Ill. Fl. N. U. S. **2**: 200, fig. 1892 (1897).—Focke in Bibl. Bot. **72**: 12 (1910).—Rydberg in N. Am. Fl. **22**: 435 (1913).
- Rubus nubis* S. F. Gray, Nat. Arr. Brit. Pl. **2**: 585 (1821).
- Chamaemorus Anglica* et *Norwegica* Clusius ex Greene, Leaf. Bot. Obs. **1**: 245 (1906), nom. nuda.
- Chamaemorus chamaemorus* House in Am. Midland Nat. **6**: 206 (1920).
- Subgen. III. CYLACTIS (Raf.) Focke in Bibl. Bot. **72**: 23 (1910).
- Cylactis* Rafinesque Fl. Ludovic. 167 (1817), nom.; in Jour. de Phys. Paris, **89**: 97 (1819, Aug.); in Am. Jour. Sci. **1**: 377 (1819); Sylva Tellur. 160 (1838) sphalm. *Cylactis*.
- Rubus* Ser. *Hostiana* Trattinnick, Rosac. Monog. **3**: 65 (1823), sp. nonn. exclud.
- Manteia* Rafinesque, Sylva Tellur. 161 (1838).
- Rubus* sect. *Cylactis* Focke in Abh. Naturw. Ver. Bremen, **4**: 142, 146 (1874).
- R. xanthocarpus** Bureau & Franchet in Jour. de Bot. **5**: 46 (1891).—Regel in Gartenfl. **41**: 106, fig. 25 (1892).
- Subgen. IV. MALACHOBATUS Focke in Bibl. Bot. **72**: 41 (1910).
- Rubus* (sect.) *Malachobatus* Focke in Abh. Naturw. Ver. Bremen, **4**: 187, 201 (1874).
- Cumbata* Rafinesque, Sylva Tellur. 160 (1838).
- Ametron* Rafinesque, l. c. (1838), p. p.
- R. Henryi** Hemsley & Kuntze in Jour. Linn. Soc. Lond. Bot. **23**: 231 (1887).—Focke in Bibl. Bot. **72**: 43, fig. 12 (1910).
- R. Henryi** var. *bambusarum* (Hemsl.) Rehder in Jour. Arnold Arb. **2**: 179 (1921).
- Rubus bambusarum* Hemsley in Hooker's Icon. Pl. **20**: t. 1952, p. [2] (1891).—Focke in Bibl. Bot. **72**: 44 (1910).
- R. Andersoni** Hooker f., Fl. Brit. Ind. **2**: 333 (1878).—Focke in op. cit. 48 (1910).
- R. Playfairianus** Focke in op. cit. 45 (1910).
- Rubus Playfairii* Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 235 (1887), p. p.—Bean, Trees Shrubs Brit. Isl. **2**: 467 (1914).—Non Hemsley (1887), p. p. typ.
- R. hupehensis** Oliver in Hooker's Icon. Pl. **19**: t. 1816 (1889).—Focke in Sargent, Pl. Wilson. **1**: 49 (1911).—Schneider, Ill. Handb. Laubh. **2**: 963, fig. 591e-f (1912).
- Rubus Swinhoei* sensu Bean, Trees Shrubs Brit. Isl. **2**: 468 (1914), non *R. Swinhoei* Hance (1866).
- Rubus Swinhoei* Hance var. *hupehensis* (Oliver) Metcalf in Lingnan Sci. Jour. **19**: 33 (1940).
- R. malifolius** Focke in Hooker's Icon. Pl. **20**: t. 1947 (1890); in Bibl. Bot. **72**: 42 (1910).
- R. irenaeus** Focke in Bot. Jahrb. **29**: 394 (1901); in Bibl. Bot. **72**: 114, fig. 52 (1910).
- R. chroösepalus** Focke in Hooker's Icon. Pl. **20**: t. 1952 (1891); in Bibl. Bot. **72**: 52, fig. 15 (1910).
- R. ichangensis** Hemsley & Kuntze in Jour. Linn. Soc. Lond. Bot. **23**: 231 (1887).—Focke in Bibl. Bot. **72**: 55, fig. 18 (1910).
- Rubus eugenius* Focke in Bot. Jahrb. **29**: 393 (1901).
- R. Lambertianus** Seringe in De Candolle, Prodr. **2**: 567 (1825).—Focke in Bibl. Bot. **72**: 70 (1910).
- Rubus ochlanthus* Hance in Jour. Bot. **20**: 260 (1882).
- R. Lambertianus** var. *hakonensis* (Franch. & Sav.) Rehder, Man. Cult. Trees Shrubs, 412 (1927).
- Rubus hakonensis* Franchet & Savatier, Enum. Pl. Jap. **2**: 333 [1878].
- Rubus Lambertianus* subsp. *hakonensis* Focke in Bibl. Bot. **72**: 70 (1910).
- Rubus Lambertianus* var. *glaber* Bean, Trees Shrubs Brit. Isl. **2**: 462 (1914).
- R. Parkeri** Hance in Jour. Bot. **20**: 260 (1882).—Focke in Bibl. Bot. **72**: 67, fig. 24 (1910).
- R. flagelliflorus** Focke in Bot. Jahrb. **29**: 393 (1901); in Bibl. Bot. **72**: 111, fig. 51 (1910).
- Rubus flagelliformis* Hort. Angl. ex Schneider, Ill. Handb. Laubh. **2**: 964 (1912), pro syn.
- R. setchuenensis** Bureau & Franchet in Jour. de Bot. **5**: 46 (1891).—Focke in Bibl. Bot. **83**: 32 (1914).—Cardot in Bull. Mus. Hist. Nat. Paris, **23**: 286 (1917).—Rehder in Jour. Arnold Arb. **18**: 34 (1937).
- Rubus pacatus* Focke in Bot. Jahrb. **29**: 395 (1901).
- Rubus Cavaleriei* Léveillé & Vaniot in Bull. Soc. Bot. France, **51**: 218 (1904).—Focke in Bibl. Bot. **72**: 104 (1910).
- Rubus omeiensis* Rolfe in Kew Bull. **1909**: 259 (1909).
- Rubus clemens* Focke in Bibl. Bot. **72**: 105, fig. 46 (1910).
- Rubus Schindleri* Focke in Bot. Jahrb. **46**, Beibl. **106**: 60 (1912).
- Subgen. V. ANOPILOBATUS Focke in Bibl. Bot. **72**: 123 (1911).
- Bossekia* Necker, Elem. Bot. **1**: 210 (1790).—Greene, Leaf. Bot. Obs. **1**: 210 (1906).
- Rubus* Ser. *Schreberiana* Trattinnick, Rosac. Monog. **3**: 78 (1823), p. p.
- Rubus* sect. *Anoplobatus* Focke in Abh. Naturw. Ver. Bremen, **4**: 143, 146 (1874).
- Rubacer* Rydberg in Bull. Torrey Bot. Club, **30**: 274 (1903).
- Oreobatus* Rydberg, l. c. (1903); non *R. sect. Oreobatus* Focke (1888).
- R. odoratus** Linnaeus, Sp. Pl. 494 (1753).—Britton & Brown, Ill. Fl. N. U. S. **2**: 199, fig. 1890 (1897).—Focke in Bibl. Bot. **72**: 123 (1911).—Rydberg in N. Am. Fl. **22**: 425 (1913).—Bailey in Gent. Herb. **5**: 905, fig. 423 (1945), cum syn. multis.
- Rubus grandifolius* Salisbury, Prodr. Stirp. Chap. Allert. 364 (1796).
- Rubus quinquelobus* Stokes, Bot. Mat. Med. **3**: 142 (1812).
- Rubacer odoratum* Rydberg in Bull. Torrey Bot. Club, **30**: 274 (1903).
- Bossekia odorata* Greene, Leaf. Bot. Obs. **1**: 211 (1906).
- R. odoratus** f. *albus* Zabel ex Schneider, Ill. Handb. Laubh. **1**: 505 (1906).
- Rubus odoratus* (f.) *albus* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 201 (1903), nom.
- Rubus odoratus* var. *albidus* Bailey, Stand. Cycl. Hort. **5**: 3024 (1916).

**Rubus** (continued)

- R. Fraseri** (*R. odoratus* × *parviflorus*) Rehder in Jour. Arnold Arb. **7**: 29 (1926).  
*Rubus robustus* G. Fraser in Gard. Chron. ser. 3, **73**: 51, fig. 24 (1923), non Presl (1849).
- R. parviflorus** Nuttall, Gen. N. Am. Pl. **1**: 308 (1818).—Bailey in Gent. Herb. **5**: 907, fig. 424 (1925), cum syn. multis.  
*Rubus nutkanus* Moçino ex Seringe in De Candolle, Prodr. **2**: 566 (1825).—Focke in Bibl. Bot. **72**: 124 (1911).  
*Rubus nutkanus* β. *Nuttallii* Torrey & Gray, Fl. N. Am. **1**: 450 (1840), p. p.  
*Rubus parviflorus* Rydberg in Bull. Torrey Bot. Club, **30**: 274 (1903); in N. Am. Fl. **22**: 426 (1913).  
*Bossekia parviflora* Greene, Leaf. Bot. Obs. **1**: 211 (1906).  
*Bossekia Nutkana* Greene, op. cit. 246 (1906).  
*Rubus nutkanus* var. *parviflorus* Focke in Bibl. Bot. **72**: 124 (1911).
- R. parviflorus** var. *Fraserianus* J. K. Henry in Torreya, **18**: 54, fig. 1 (1918).
- R. trifidus** Thunberg, Fl. Jap. 217 (1784).—Focke in Bibl. Bot. **72**: 126 (1911).  
*Rubus hydrastifolius* Gray in Perry, Narr. Exped. China Jap. **2**: 311 (1856).  
*Rubus aceroides* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 36 (Prol. Fl. Jap. 224) (1867).  
*Rubus ribifolius* sensu Schneider, Ill. Handb. Laubh. **1**: 504 (1905), pro syn.; non Siebold & Zuccarini (1845).
- R. deliciosus** Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 196 (1828).—Focke in Bibl. Bot. **72**: 125, fig. 54 (1911).—Bailey in Gent. Herb. **5**: 915, fig. 425 (1925).  
*Rubus Roezlii* Regel in Act. Hort. Petrop. **3**: 285 (1875); in Gartenfl. **24**: 227, t. 837 (1875).  
*Rubus odoratus* var. *deliciosus* Kuntze, Rev. Gen. Pl. **1**: 223 (1891).  
*Oreobatus deliciosus* Rydberg in Bull. Torrey Bot. Club, **30**: 274 (1903); in N. Am. Fl. **22**: 427 (1913).  
*Bossekia deliciosa* A. Nelson in Coulter & Nelson, New Man. Bot. Centr. Rocky Mts. 250 (1909).
- R. deliciosus** var. *neomexicanus* (Gray) Kearney in Trans. New York Acad. Sci. **14**: 32 (1894).  
*Rubus Neo-Mexicanus* Gray, Pl. Wright. **2**: 55 (1853).  
*Oreobatus neomexicanus* Rydberg in Bull. Torrey Bot. Club, **30**: 275 (1903).
- Subgen. vi. **IDAEOBATUS** (Focke) Focke in Bibl. Bot. **72**: 128 (1911).—Schneider, Ill. Handb. Laubh. **1**: 508 (1905) "sect."  
*Rubus Ser. Weiheana* Trattinnick, Rosac. Monog. **3**: 2 (1823).\*
- Rubus Ser. Poirietiana* Trattinnick, op. cit. 44 (1823), p. p.  
*Rubus Ser. Michauxiana* Trattinnick, op. cit. 72 (1823), p. p.  
*Rubus Ser. Schreberiana* Trattinnick, op. cit. 78 (1823), p. p.  
*Rubus* §. *Batidea* Dumortier, Florula Belg. 94 (1827).  
*Ampomele Rafinesque*, Sylva Tellur. 160 (1838).  
*Rubus* sect. *Idaeobatus* Focke in Abh. Naturw. Ver. Bremen, **4**: 143, 147 (Batogr. Abh.) (1874).  
*Rubus* sect. *Batothamnus* Focke in op. cit. 143, 148 (1874) et in Nat. Pflanzenfam. III. **3**: 29 (1888), p. p. quoad *R. spectabilis* Pursh.
- Batidaea* (Dumort.) Greene, Leaf. Bot. Obs. **1**: 238 (1906).  
*Melanobatus* Greene, op. cit. 243 (1906).  
*Parmena* Greene, op. cit. 244 (1906), p. p.
- R. corymbosus** Linnaeus f., Suppl. Pl. 263 (1781).—Focke in Bibl. Bot. **72**: 131 (1911).—Nakai, Fl. Sylv. Kor. **7**: 54, t. 20a (1918).—Rehder in Jour. Arnold Arb. **18**: 37 (1937).  
*Rubus villosus* Thunberg, Fl. Jap. 218 (1784).  
*Rubus althaeoides* Hance in Ann. Sci. Nat. Bot. sér. 4, **15**: 222 (1861).  
*Rubus kerriifolius* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **11**: 100 (1902).  
*Rubus Vanioti* Léveillé in Repert. Sp. Nov. Reg. Veg. **5**: 280 (1908).  
*Rubus corymbosus* a. *typicus* Focke in Bot. Jahrb. **29**: 391 (1900); in Bibl. Bot. **72**: 131 (1911).
- R. corymbosus** var. *Oliveri* (Miq.) Focke in Bot. Jahrb. **29**: 391 (1900) "β."; in Bibl. Bot. **72**: 131 (1911).  
*Rubus Oliveri* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 35 (Prol. Fl. Jap. 223) (1867).  
*Rubus corymbosus* var. *glaber* Matsumura in Bot. Mag. Tokyo, **15**: 157 (1901).
- R. microphyllus** Linnaeus f., Suppl. Pl. 263 (1781).—Willdenow, Sp. Pl. **2**: 1086 [1800].  
*Rubus palmatus* Thunberg, Fl. Jap. 217 (1784).—Focke in Bibl. Bot. **72**: 132, fig. 56 (1911).  
*Rubus coptophyllus* Gray in Perry, Narr. Exped. China Jap. 311 (1856).
- R. crataegifolius** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 98 (Enum. Pl. Chin. Bor. 24. 1833) (1835).—Focke in Bibl. Bot. **72**: 137 (1911).—Nakai, Fl. Sylv. Kor. **7**: 57, t. 21 (1918).—Rehder in Jour. Arnold Arb. **18**: 38 (1937).  
*Rubus Wrightii* Gray in Mem. Am. Acad. Arts Sci. n. ser. **6**: 387 (Diagn. Char. Pl. Jap.) (1859).—Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 35, 208 (Prol. Fl. Jap. 223, 372) (1867).  
*Rubus pseudo-americanus* Kuntze, Meth. Spec. Rubus, 90 (1879).
- R. trianthus** Focke in Bibl. Bot. **72**: 140, fig. 59 (1911).  
*Rubus conduplicatus* Duthie in Kew Bull. **1912**: 36 (1912).—Hayata, Icon. Pl. Formos. **1**: 224, t. 24 (1911): **7**: 15, fig. 10a-a<sup>1</sup> (1918).  
*Rubus incisus* β. *conduplicatus* Koidzumi in Jour. Coll. Sci. Tokyo, **34**: 122 (1913).
- R. incisus** Thunberg, Fl. Jap. 217 (1784).—Focke in Bibl. Bot. **72**: 138, fig. 58 (1911).—Rehder in Jour. Arnold Arb. **18**: 40 (1937).  
*Rubus Grossularia* Léveillé & Vaniot in Bull. Soc. Agr. Sci. Arts Sarthe, **40**: 61 (1905).  
*Parmena incisus* Greene, Leaf. Bot. Obs. **1**: 246 (1906).
- R. incisus** var. *subcrataegifolius* (Levl. & Vant.) Rehder in Jour. Arnold Arb. **18**: 40 (1937).  
*Rubus morifolius* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 202 (1903), nom., vix Siebold ex Franchet & Savatier [1873].  
*Rubus incisus* sensu Späth in Gartenfl. **53**: 554, fig. 78 (1904), non Thunberg (1784).  
*Rubus crataegifolius* var. *subcrataegifolius* Léveillé & Vaniot in Bull. Soc. Agric. Sci. Arts Sarthe, **40**: 61 (1905).

\*) See foot-note, p. 284.

- Rubus subcrataegifolius* Léveillé in Bull. Acad. Intern. Géog. Bot. **20** (Mém.): 127 (1909).
- Rubus Koehneanus* Focke in Bibl. Bot. **72**: 140, fig. 60 (1911).—Rolfé in Bot. Mag. **135**: t. 8246 (1909).—Rehder, Man. Cult. Trees Shrubs, 414 (1927); ed. 2, 413 (1940).
- Rubus incisus* a. *proprius* subvar. c. *Koehneanus* Koidzumi in Jour. Coll. Sci. Tokyo, **34**: 122 (1913).
- R. spectabilis** Pursh, Fl. N. Am. **1**: 348 (1814).—Focke in Bibl. Bot. **72**: 142 (1911).—Rydberg in N. Am. Fl. **22**: 440 (1913).—Bailey in Gent. Herb. **5**: 897, fig. 419 (1945).
- Rubus stenopetalus* Chamisso in Choris, Voy. Pitt. Monde [II] Kamtch. 10 (1822), nom.
- Parmena spectabilis* Greene, Leaf. Bot. Obs. **1**: 244 (1906).
- R. illecebrosus** Focke in Abh. Naturw. Ver. Bremen, **16**: 278 (1899); in Bibl. Bot. **72**: 152, fig. 64 (1911).—Rolfé in Kew Bull. **1917**: 77 (1917).
- Rubus sorbifolius* hort. ex Wittmack in Gartenfl. **47**: 27, fig. 4 (1898), non Maximowicz (1872).
- R. rosaefolius** Smith, Pl. Icon. Hact. Ined. **3**: t. 60 [1791].—Focke in Bibl. Bot. **72**: 153, fig. 65 (1911).—Rydberg in N. Am. Fl. **22**: 441 (1913).
- ?*Rubus chinensis* Seringe in De Candolle, Prodr. **2**: 557 (1825).
- Rubus jamaicensis* Blanco, Fl. Filip. 427 (1837).
- Rubus comintanus* Blanco, Fl. Filip. ed. 2, 298 (1845).
- Rubus Commersonii* var. *simpliciflorus* Koidzumi in Bot. Mag. Tokyo, **23**: 150 (1909).
- R. rosaefolius** f. *coronarius* (Sims) Focke in Bibl. Bot. **72**: 155 (1911) "(f.)"
- Rubus Commersonii* Poirét, Encycl. Méth. Bot. **6**: 240 (1804).—Koidzumi in Bot. Mag. Tokyo, **23**: 150 (1909).
- Rubus rosaefolius* (β.) *coronarius* Sims in Bot. Mag. **43**: t. 1783 (1816).
- Rubus sinensis* Hort. ex Sims, l. c. (1816), pro syn.
- Rubus coronarius* Sweet, Hort. Brit. 144 (1827).—L. H. Bailey in Gent. Herb. **6**: 327, fig. 166 (1944).
- Rubus rosifolius* β. *coronarius* Hance in Ann. Sci. Nat. Bot. sér. 5, **5**: 212 (1866).
- R. amabilis** Focke in Bot. Jahrb. **36**, Beibl. **82**: 53 (1905); in Bibl. Bot. **72**: 163, fig. 70 (1911).
- R. pungens** Cambessèdes in Jacquemont, Voy. Inde, **4** (Bot.): 48, t. 59 (1844).—Focke in Bibl. Bot. **72**: 165 (1911).
- R. pungens** var. *Fargesii* Cardot in Notul. Syst. Mus. Hist. Nat. Paris, **3**: 306 (1917).
- R. pungens** var. *discolor* Prochanov in Notul. Syst. Herb. Hort. Bot. Reip. Ross. **5**: 56 (1924).
- R. biflorus** Buchanan-Hamilton ex Smith in Rees, Cycl. **30**: R. no. 9 (1819).—Focke in Bibl. Bot. **72**: 166 (1911).
- R. biflorus** var. *quinqueflorus* Focke in Sargent, Pl. Wilson. **1**: 53 (1911).
- R. lasiostylus** Focke in Hooker's Icon. Pl. **20**: t. 1951 (1891).—Focke in Bibl. Bot. **72**: 167, fig. 71 (1911).
- R. stans** Focke in Notes Bot. Gard. Edinb. **5**: 76, t. 68 (1911); in Bibl. Bot. **83**: 41 (Spec. Rub. 265) (1914).
- R. alexeterius** Focke in Notes Bot. Gard. Edinb. **5**: 75, t. 67 (1911); in Bibl. Bot. **83**: 40 (Spec. Rub. 264) (1914).
- R. trullisatus** Focke in Bibl. Bot. **72**: 169 (1911).
- R. macilentus** Cambessèdes in Jacquemont, Voy. Inde, **4** (Bot.): 49, t. 60 (1844).—Focke in Bibl. Bot. **72**: 166 (1911).
- R. thibetanus** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **8**: 221 (Pl. David. **2**: 39. 1888) (1886).—Focke in Bibl. Bot. **72**: 179, fig. 74 (1911).
- Rubus Veitchii* Rolfe in Kew Bull. **1909**: 258 (1909).
- R. coreanus** Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 34 (Prol. Fl. Jap. 222) (1867).—Focke in Bibl. Bot. **72**: 184 (1911).—Nakai, Fl. Sylv. Kor. **7**: 71, t. 29 (1918).—Rehder in Jour. Arnold. Arb. **18**: 46 (1937).
- Rubus Tokkura* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**, **1**: 65 (Syn. Pl. Oecon. Jap.) (1830), nom.
- Rubus pseudosaxatilis* Léveillé in Repert. Sp. Nov. Reg. Veg. **5**: 280 (1908).
- Rubus quelpaertensis* Léveillé, l. c. (1908).
- Rubus coreanus* var. *Nakaianus* Léveillé in Repert. Sp. Nov. Reg. Veg. **8**: 358 (1910).
- Rubus Hoatiensis* Léveillé in op. cit. **11**: 32 (1912).
- R. niveus** Thunberg, Diss. de Rubo, 9, fig. 3 (1813).—Focke in Bibl. Bot. **72**: 182 (1911).
- Rubus lasiocarpus* Smith in Rees, Cycl. **30**: R. no. 6 (1819).—Hooker f., Fl. Brit. Ind. **2**: 339 (1878), p. p. max.
- Rubus mysorensis* Heyne in Roth, Nov. Pl. Sp. Ind. 235 (1821).
- Rubus pinnatus* D. Don, Prodr. Fl. Nepal. 234 (1825), non Willdenow (1800).
- Rubus distans* D. Don, op. cit. 256 (1825).
- R. inopertus** Focke in Bibl. Bot. **72**: 182 (1911).
- Rubus niveus* subsp. *inopertus* Focke in Bot. Jahrb. **29**: 400 (1901).
- R. Wilsonii** Duthie in Kew Bull. **1912**: 36 (1912).
- R. parvifolius** Linnaeus, Sp. Pl. 1197 (1753), exclud. syn.; ed. 2, 707 (1762), p. p.—Hallier in Bot. Centralbl. Beih. **34**: 23 (1916).—Merrill in Trans. Am. Philos. Soc. n. ser. **24**: 181 (Comm. Lour. Fl. Cochinch.) (1935).—Rehder in Jour. Arnold. Arb. **18**: 47 (1937).
- Rubus triphyllus* Thunberg, Fl. Jap. 215 (1784).—Focke in Bibl. Bot. **72**: 187 (1911).—Nakai, Fl. Sylv. Kor. **7**: 73, t. 31 (1918).
- Rubus parviflorus* Panzer, Pflanzensyst. **14**: 235 (1788), sphalm.
- Rubus macropodus* Seringe in De Candolle, Prodr. **2**: 557 (1825).
- Rubus Thunbergii* Blume, Bijdr. Fl. Nederl. Ind. 1109 (1826).
- Rubus purpureus* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 98 (Enum. Pl. Chin. Bor. 24. 1833) (1835).
- Ampomele triphyla* (Thunb.) Rafinesque, Sylva Tellur. 160 (1838).
- Rubus Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 340 (1909).
- Rubus triphyllus* var. *Taquetii* Nakai, Fl. Sylv. Kor. **7**: 74, t. 32 (1918).
- Rubus parvifolius* var. *Taquetii* Nemoto, Nippon-Shokob.-Soran-Hai, 352 (1936).



**Rubus** (*continued*)

- R. telepadus** Focke in Bot. Jahrb. **29**: 398 (1901); in Bibl. Bot. **72**: 188 (1911).
- R. pedunculatus** D. Don, Prodr. Fl. Nepal. 234 (1825).  
*Rubus gracilis* Roxburgh, Hort. Bengal. 39 (1814), nom.; Fl. Ind. **2**: 519 (1833).—Seringe in De Candolle, Prodr. **2**: 557 (1825).—Focke in Bibl. Bot. **72**: 190 (1911).—Non Presl (1822).  
*Rubus niveus* Wallich, Num. List. no. 734 [1829], nom.—G. Don, Gen. Hist. Dichlam. Pl. **2**: 530 (1832).—Hooker f., Fl. Brit. Ind. **2**: 335 (1878).  
*Rubus niveus* var. *pedunculatus* Hooker f., l. c. (1878).  
*Rubus euleucus* Focke in Bot. Jahrb. **29**: 397 (1901).
- R. phoenicolasius** Maximowicz in Bull. Acad. Sci. St. Pétersb. **17**: 160 (in Mém. Biol. **8**: 393) (1872).—Focke in Bibl. Bot. **72**: 191 (1911).—Nakai, Fl. Sylv. Kor. **7**: 70, t. 28 (1918).
- R. Paxii** (*R. idaeus* × *phoenicolasius*) Focke in Abh. Naturw. Ver. Bremen, **19**: 204 (1908); in Bibl. Bot. **72**: 192 (1911), pro syn.  
*Rubus phoenicolasius* × *idaeus* J. H. Wilson in Rep. 3rd Intern. Conf. Genetics, 209 (1906).
- R. flosculosus** Focke in Hooker's Icon. Pl. **20**: t. 1945, p. [3] (1891); in Bibl. Bot. **72**: 193, fig. 77 (1911).
- R. flosculosus** f. *parvifolius* Focke in Sargent, Pl. Wilson. **1**: 54 (1911), nom.—Rehder, Man. Cult. Trees Shrubs, 416 (1927) "var."; ed. 2, 416 (1940) "f."
- R. Cockburnianus** Hemsley in Jour. Linn. Soc. Lond. Bot. **29**: 305 (1892).  
*Rubus Giralduus* Focke in Bot. Jahrb. **29**: 401 (1901); in Bibl. Bot. **72**: 194, fig. 78 (1911).—Bean in Kew Bull. **1914**: 52, t. (1914).
- R. innominatus** S. Moore in Jour. Bot. **4**: 226 (1875).—Focke in Bibl. Bot. **72**: 195 (1911).
- Rubus innominatus** var. *Kuntzeanus* (Focke) Bailey in Gent. Herb. **1**: 30 (1920).  
*Rubus Kuntzeanus* Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 232 (1887).—Focke in Bibl. Bot. **72**: 195 (1911).  
*Rubus innominatus* Hort. ex Focke, l. c. (1911), pro syn.; non S. Moore (1875).
- R. adenophorus** Rolfe in Kew Bull. **1910**: 382 (1910).—Focke in Bibl. Bot. **83**: 46 (Spec. Rub. 270) (1914).  
*Rubus sagatus* Focke in Bibl. Bot. **72**: 198 (1911).
- R. occidentalis** Linnaeus, Sp. Pl. 493 (1753).—Focke in Bibl. Bot. **72**: 201 (1911).—Rydberg in N. Am. Fl. **22**: 443 (1913).—Bailey in Gent. Herb. **5**: 880, fig. 409, 410 (1945).  
*Rubus idaeus* var. *americanus* Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 196 (1828).  
*Rubus occidentalis* subsp. *R. eu-occidentalis* Focke in Abh. Naturw. Ver. Bremen, **4**: 147 (1874).  
*Melanobatus occidentalis* Greene, Leaf. Bot. Obs. **1**: 243 (1906).
- R. occidentalis** f. *pallidus* (Bailey), grad. nov.  
*Rubus occidentalis* var. *pallidus* Bailey, Cycl. Am. Hort. [4]: 1582 (1902).  
*Rubus occidentalis* var. *flavobaccus* Blanchard in Rhodora, **7**: 146 (1905).
- R. neglectus** (*R. idaeus* var. *strigosus* × *occidentalis*) Peck in Ann. Rep. New York State Mus. Nat. Hist. **22**: 53 (1869).—Rydberg in N. Am. Fl. **22**: 443 (1913), pro syn.—Bailey in Gent. Herb. **5**: 887, fig. 413 (1945).—Non P. J. Mueller in Isis von Oken (Rostock meet.)?—Focke, Syn. Rub. Germ. 237 (1877).—Wirtgen, Herb. Rub. Rhen. **1**: no. 165 ex Sudre, Rubi Eur. 245 (1913).  
*Melanobatus neglectus* Greene, Leaf. Bot. Obs. **1**: 243 (1906).  
*Melanobatus michiganus* Greene, op. cit. 244 (1906).  
*Rubus idaeus* × *occidentalis* Focke in Bibl. Bot. **72**: 202 (1911).  
*Rubus occidentalis* × *strigosus* Rydberg in N. Am. Fl. **22**: 443 (1913).
- R. leucodermis** Douglas ex Torrey & Gray, Fl. N. Am. **1**: 454 (1840).—Rydberg in N. Am. Fl. **22**: 444 (1913).—Bailey in Gent. Herb. **5**: 883, fig. 411 (1945).  
*Rubus occidentalis* β. Hooker, Fl. Bor.-Am. **1**: 178 [1832].  
*Rubus leucodermis* Douglas ex Hooker, l. c. [1832], pro syn.  
*Rubus occidentalis* subsp. *R. leucodermis* Focke in Abh. Naturw. Ver. Bremen, **4**: 147 (1874); in Bibl. Bot. **72**: 201 (1911) "var. vel subsp. l."  
*Melanobatus leucodermis* Greene, Leaf. Bot. Obs. **1**: 243 (1906).
- R. idaeus** Linnaeus, Sp. Pl. 492 (1753).—Schneider, Ill. Handb. Laubh. **1**: 509, fig. 307h-i, 308a-h, 309k-q (1905).—Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, **1**: 444 (1906); in Bibl. Bot. **72**: 207 (1911).  
*Rubus frambaesianus* Lamarck, Fl. Franç. **3**: 135 (1778).  
*Batidaea itascica* Greene, Leaf. Bot. Obs. **1**: 239 (1906).  
*Batidaea vulgaris* (L.) Nieuwland in Am. Midland Nat. **4**: 70 (1915).
- R. idaeus** var. *vulgatus* Arrhenius, Rub. Suec. Disp. Monog.-Crit. **12** (1839); Monog. Rub. Suec. **12** (1840).—Focke in Bibl. Bot. **72**: 207 (1911).  
*Rubus Idaeus* a. *ruber* Aiton, Hort. Kew. **2**: 209 (1789).  
*Rubus idaeus* a. *silvestris* Dierbach in Mag. Pharm. **20**: 52 (Uebers. Heidelb. Wildw. Pfl.) (1827).  
*Rubus idaeus* b. *hortensis* a. *erythrocarpa* Dierbach, l. c. (1827).  
*Rubus idaeus* (f.) *sativus* Zabel in Beissner et al., Handb. Laubh.-Ben. 203 (1903), nom.
- R. idaeus** f. *albus* (West.), grad. nov.  
*Rubus Idaeus* var. *2. albus* Weston, Bot. Univ. **1**: 341 (1770), sphalm. "flore albo", aperte pro "fructu albo".—Aiton, Hort. Kew. **2**: 209 (1789) "β."—K. Koch, Hort. Dendr. 113 (1853) "β."  
*Rubus idaeus* b. *hortensis* β. *leucocarpa* Dierbach in Mag. Pharm. **20**: 52 (Uebers. Heidelb. Wildw. Pfl.) (1827).  
*?Rubus idaeus* f. *chlorocarpus* Prah, Krit. Fl. Schlesw.-Holst. **2**: 48 (1890).—Krause, Nov. Syn. Rub. Germ. Virg. **1**: 20 (1890).—L. M. Neuman, Sverig. Fl. 382 (1901).  
*Rubus idaeus* var. *vulgatus* f. *luteofructifer* Schneider, Ill. Handb. Laubh. **1**: 510 (1905).
- R. idaeus** f. *laevis* (West.), grad. nov.  
*Rubus Idaeus* 3. *laevis* Weston, Bot. Univ. **1**: 256 (1770).  
*Rubus idaeus* γ. *laevigatus* Aiton, Hort. Kew. **2**: 209 (1789).  
*Rubus Idaeus* β. Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] **6**: 70 [1815].  
*Rubus idaeus* γ. *inermis* Lejeune & Courtois, Comp. Fl. Belg. **2**: 160 (1831).—Utsch in Jahresber. Westfäl. Prov.-Ver. Wiss. Kunst, **22**: 153 (Hybr. Gen. Rubus, 11) (1894) "f."

- R. idaeus f. biflorus** (West.), grad. nov.  
*Rubus idaeus* 4. *biflorus* Weston, Bot. Univ. 1: 256 (1770).  
*Rubus idaeus* f. *semperflorens* hort. ex Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 446 (1902). — Schneider, Ill. Handb. Laubh. 1: 510 (1905).
- R. idaeus f. anomalus** Arrhenius, Rub. Suec. Disp. Monog.-Crit. 14 (1839); Monog. Rub. Suec. 14 (1840).  
*Rubus obtusifolius* Willdenow, Berlin. Baumz. ed. 2, 409 (1811).  
*Rubus Leesii* Babington in W. E. Steele, Handb. Field Bot. 60 (1847).  
*Rubus idaeus* f. *obtusifolius* Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 446 (1902). — Schneider, Ill. Handb. Laubh. 1: 510 (1905).
- R. idaeus** var. *aculeatissimus* Regel & Tiling in Nouv. Mém. Soc. Nat. Moscou, 11: 87 (Fl. Ajan. 1858) (1859). — Rehder in Jour. Arnold Arb. 18: 53 (1937).  
*Rubus idaeus* β. *microphylla* Turczaninov in Bull. Soc. Nat. Moscou, 16: 602 (Fl. Baical.-Dahur. 370) (1843). — ?Nakai, Fl. Sylv. Kor. 7: 76, t. 33 (1918), vix Turczaninov. — Non Wallroth (1822).  
*Rubus melanolasius* Focke in Abh. Naturw. Ver. Bremen, 13: 469 (1896). — Rydberg in N. Am. Fl. 22: 448 (1913). — Bailey in Gent. Herb. 5: 875, fig. 406 (1945).  
*Batidaea laetissima* Greene, Leaf. Bot. Obs. 1: 240 (1906).  
*Batidaea unicolor* Greene, op. cit. 241 (1906).  
*Batidaea Sandbergii* Greene, op. cit. 242 (1906).  
*Rubus sachalinensis* Léveillé in Repert. Sp. Nov. Reg. Veg. 6: 332 (1909).  
*Rubus idaeus* subsp. *melanolasius* Focke in Bibl. Bot. 72: 209 (1911).  
*Rubus idaeus* subsp. *sachalinensis* Focke in op. cit. 210 (1911). — Hultén in Svenska Vetensk.-akad. Handl. ser. 3, 8: 54 (1929).
- R. idaeus** var. *strigosus* (Michx.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 161 (in Mém. Biol. 8: 394) (1872) "β."; p. p. — Focke in Bibl. Bot. 72: 209 (1913) "subsp."  
*Rubus strigosus* Michaux, Fl. Bor.-Am. 1: 297 (1803). — Rydberg in N. Am. Fl. 22: 447 (1913). — Bailey in Gent. Herb. 5: 867, fig. 403 (1945), cum syn. multis.  
*Rubus pensilvanicus* Poirét, Encycl. Méth. Bot. 6: 246 (1804).  
*Batidaea strigosa* Greene, Leaf. Bot. Obs. 1: 238 (1906).  
*Batidaea heterodoxa* Greene, op. cit. 239 (1906).  
*Batidaea elegantula* Greene, l. c. (1906).
- R. idaeus f. succineus** Rehder in Jour. Arnold Arb. 23: 377 (1942) "var. *strigosus* f. s."  
*Rubus strigosus* var. *albus* Fuller ex Bailey, Cycl. Am. Hort. [4]: 1582 (1902).  
*Rubus idaeus* var. *aculeatissimus* f. *albus* Fernald in Rhodora, 10: 50 (1908), non *R. idaeus* 4. *albus* Weston (1770), nec Aiton (1789).  
*Rubus idaeus* var. *strigosus* f. *albus* Fernald in Rhodora, 21: 96 (1919), non *R. idaeus* 4. *albus* Weston (1770), nec Aiton (1789).
- R. idaeus f. tonsus** Fernald, l. c. (1919) "var. *strigosus* f."  
*Rubus strigosus* var. *tonsus* Bailey in Gent. Herb. 5: 870 (1945).
- R. idaeus** var. *canadensis* Richardson in Franklin, Narr. Journ. Polar Sea, App. 739 (1823) "β.". — Bailey in Gent. Herb. 1: 149 (1923).
- Batidaea subarctica* Greene, Leaf. Bot. Obs. 1: 242 (1906).  
*Rubus subarcticus* Rydberg in N. Am. Fl. 22: 448 (1913).  
*Rubus carolinianus* Rydberg in op. cit. 447 (1913).
- R. nobilis** [*R. idaeus* × *odoratus*] Hort. angl. ex Regel in Gartenfl. 6: 86 (1857).  
*Rubus idaeus* × *odoratus* Focke in Bibl. Bot. 72: 124 (Spec. Rub.) (1911).
- R. mesogaeus** Focke in Bot. Jahrb. 29: 399 (1901). — Rehder in Jour. Arnold Arb. 18: 50 (1937).  
*Rubus Kinashii* Léveillé & Vaniot in Bull. Soc. Agric. Sci. Arts Sarthe, 40: 66 (1905); Repert. Sp. Nov. Reg. Veg. 2: 175 (1906).  
*Rubus eous* Focke in Bibl. Bot. 72: 204 (1911).
- Subgen. VII. EUBATUS Focke in Bibl. Bot. 83: 48 (1914).  
*Rubus* Ser. *Hayneana* Trattinnick, Rosac. Monog. 3: 18 (1823).  
*Rubus* Ser. *Poiretiana* Trattinnick, op. cit. 44 (1823), p. p.  
*Rubus* Ser. *Persooniana* Trattinnick, op. cit. 56 (1823), p. p.  
*Rubus* Ser. *Michauxiana* Trattinnick, op. cit. 72 (1823), p. p.  
*Rubus* §. *Batotypus* Dumortier, Florula Belg. 94 (1827).  
*Selnorition* Rafinesque, Sylva Tellur. 160 (1838), exclud. *R. saxatilis*.  
*Rubus* (sect.) *Eubatus* Focke in Abh. Naturw. Ver. Bremen, 1: 148, 201 (1874).  
*Rubus* sect. *Batothamnus* Focke in op. cit. 143, 148 (1874), p. p.  
*Rubus* sect. *Moriferi* Focke in op. cit. 142, 149 (1874).  
*Rubus* subgen. *Eurubus* E. H. L. Krause, Nov. Syn. Rub. Germ. Virg. 1: 23 (1899).  
*Parmena* Greene, Leaf. Bot. Obs. 1: 244, 246 (1906), p. p.
- R. ursinus** Chamisso & Schlechtendal in Linnaea, 2: 11 (1827). — Rydberg, N. Am. Fl. 22: 459 (1913). — Focke in Bibl. Bot. 83: 78 (Spec. Rub. 302) (1914).  
*Rubus Menziesii* Hooker, Fl. Bor.-Am. 1: 179 [1830].  
*Rubus ursinus* β. *glabratus* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 6: 557 (Epimel. Bot. 197) [1851].  
*Parmena Menziesii* Greene, Leaf. Bot. Obs. 1: 244 (1906), p. p.  
*Rubus ursinus* var. *Menziesii* Focke in Bibl. Bot. 83: 78 (Spec. Rub. 302) (1914).
- R. ursinus** var. *vitifolius* (Cham. & Schlechtend.) Focke in Bibl. Bot. 83: 79 (Spec. Rub. 303) (1914).  
*Rubus vitifolius* Chamisso & Schlechtendal in Linnaea, 2: 10 (1827). — Rydberg in N. Am. Fl. 22: 459 (1913). — Bailey in Gent. Herb. 5: 48, fig. 15 (1941).
- R. ursinus** var. *loganobaccus* Bailey in Gent. Herb. 5: 56, fig. 19, 20 (1941).  
*Rubus idaeus* × *ursinus* Focke in Bibl. Bot. 72: 211 (1911).  
*Rubus loganobaccus* (*R. ursinus* × *idaeus*) Bailey in op. cit. 1: 155 (1923).
- R. macropetalus** Douglas ex Hooker, Fl. Bor.-Am. 1: 178, t. 59 [1830]. — Rydberg in N. Am. Fl. 22: 460 (1913). — Bailey in Gent. Herb. 5: 64 (1941).  
*Rubus myriacanthus* Douglas ex Hooker, l. c. [1830], pro syn.  
*Rubus Helleri* Rydberg in N. Am. Fl. 22: 460 (1913).
- R. Linkianus** Seringe in De Candolle, Prodr. 2: 560 (1825). — Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 491 (1902); in Bibl. Bot. 83: 150 (Spec.

**Rubus Linkianus** (*continued*)

- Rub. 374) (1914).—Bailey in Gent. Herb. 1: 197 (1923).—E. J. Alexander in Addisonia, 22: 35, t. 722 (1945).
- Rubus fruticosus* 3. *plenus* Weston, Bot. Univ. 1: 341 (1770).
- Rubus paniculatus* Schlechtendal ex Link, Enum. Pl. Hort. Berol. 2: 61 (1822), non Smith (1819).
- Rubus hedycarpus* Focke (f.) *Linkianus* Zabel in Beissner et al., Handb. Laubh.-Ben. 205 (1903).
- R. candicans** Weihe ex Reichenbach, Fl. Germ. Excurs. 601 (1832).—Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 485 (1902); in Bibl. Bot. 83: 149 (Spec. Rub. 373) (1914).
- Rubus fruticosus* sensu Weihe & Nees, Deutsch. Brombeer. 24, t. 7 (Rubi Germ. 24) (1822), non Linnaeus (1753).
- Rubus montanus* Libert ex Lejeune, Fl. Envir. Spa, 2: 317 (1813), p. p.?
- Rubus thyrsoides* Wimmer, Fl. Schles. 204 (1840), p. p.
- Rubus coarctatus* P. J. Mueller in Flora, 41: 133 (1858).
- Rubus thyranthus* Focke, Syn. Rub. Germ. 168 (1877); in Bibl. Bot. 83: 150 (Spec. Rub. 374) (1914).
- R. procerus** P. J. Mueller ex Boulay, Ronces Vosg. 7 (1864).—Bailey in Gent. Herb. 1: 196 (1923).
- Rubus macrostemon* Focke, Syn. Rub. Germ. 193 (1877).
- Rubus amiantinus* Focke, op. cit. 195 (1877).
- Rubus leucandrus* Focke b. *procerus* Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 521 (1902).
- Rubus hedycarpus* Focke subsp. *procerus* Focke in Bibl. Bot. 83: 162 (Spec. Rub. 386) (1914).
- Rubus hedycarpus* subsp. *macrostemon* Focke, l. c. (1914).
- R. ulmifolius** Schott in Isis Encycl. Zeit. 1818: 821 (1818).—Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 501 (1902); in Bibl. Bot. 83: 153 (Spec. Rub. 377) (1914), cum syn. multis.
- Rubus rusticanus* Mercier ex Reuter, Cat. Pl. Genève, ed. 2, 279 (1861).
- Rubus ulmifolius* subsp. *R. rusticanus* Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 501 (1902); Focke in Bibl. Bot. 83: 153 (Spec. Rub. 377) (1914).
- R. ulmifolius** f. *bellidiflorus* [Kirchn.] Voss, Vilmor. Blumengärt. 1: 236 (1894).—Schneider, Ill. Handb. Laubh. 1: 516 (1905) "var."
- Rubus bellidiflorus* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 227 (1864).—K. Koch, Dendr. 1: 292 (1869).
- R. ulmifolius** f. *inermis* (Willd.), grad. nov.
- ?*Rubus fruticosus* 6. *inermis* Weston, Bot. Univ. 1: 341 (1770).
- Rubus inermis* Willdenow, Enum. Pl. Hort. Berol. 1: 548 (1809).
- Rubus ulmifolius* (f.) *inermis* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 205 (1903), nom.—Focke in Bibl. Bot. 83: 154 (Spec. Rub. 378) (1914) "lus."—Bean, Trees Shrubs Brit. Isl. 2: 470 (1914) "var."—Bailey in Gent. Herb. 1: 197 (1923) "var."
- R. ulmifolius** f. *variegatus* (Rehd.), grad. nov.
- ?*Rubus fruticosus* 4. *variegatus* Weston, Bot. Univ. 1: 341 (1770).
- ?*Rubus fruticosus* 5. *foliis variegatis* Loudon, Arb. Brit. 2: 742 (1838).
- Rubus ulmifolius* *foliis variegatis* Bean, Trees Shrubs Brit. Isl. 2: 470 (1914).
- Rubus ulmifolius* var. *variegatus* Rehder in Jour. Arnold Arb. 7: 29 (1926).

- R. allegheniensis** Porter in Bull. Torrey Bot. Club, 23: 153 (1896).—Rydberg in N. Am. Fl. 22: 464 (1914).—Focke in Bibl. Bot. 83: 89 (Spec. Rub. 313) (1914).—Bailey in Gent. Herb. 1: 288, fig. 136 (1925); 2: 380 (1932).
- Rubus villosus* var. *montanus* Porter in Bull. Torrey Bot. Club, 17: 15 (1890).
- Rubus villosus* var. *sativus* Bailey in Am. Garden, 11: 719 (1890).
- Rubus montanus* Porter in op. cit. 21: 120 (1894), non Lejeune (1813), nec Wirtgen (1856).
- Rubus nigrobaccus* Bailey, Sketch Evol. Nat. Fruits, 379 (1898).—Rydberg in N. Am. Fl. 22: 463 (1913), p. p.
- Rubus nigrobaccus* var. *sativus* Bailey, l. c. (1898).
- Rubus sativus* Brainerd in Rhodora, 2: 26 (1900).—Rydberg in N. Am. Fl. 22: 462 (1913).
- Rubus nigrobaccatus* Focke in Bibl. Bot. 83: 89 (Spec. Rub. 313) (1914), pro syn.
- Rubus villosus* var. *villigerus* et var. *Engelmanni* Focke, op. cit. 90 (314) (1914).
- Rubus allegheniensis* var. *nigrobaccus* et subvar. *sativus* Farwell in Am. Midland Nat. 2: 58 (1928).
- R. platyphyllos** K. Koch in Linnaea, 16: 348 (1842).—? Focke in Bibl. Bot. 83: 242 (Spec. Rub. 466) (1914).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 50 (1941).
- Rubus glandulosus* β. *platyphyllos* Boissier, Fl. Or. 2: 693 (1872).
- R. caucasicus** Focke in Abh. Naturw. Ver. Bremen, 4: 183 (1874); in Bibl. Bot. 83: 242 (Spec. Rub. 466) (1914).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 48, t. 4, fig. 1 (1941).
- Rubus glandulosus* var. *canescens* Boissier, Fl. Or. 2: 693 (1872).
- ?*Rubus moschus* Iuzepchuk in Bull. Appl. Bot. (Genet.) 14: 163, t. 2 (1925); in Komarov, Fl. S. S. S. R. 10: 49, t. 5, fig. 1 (1941).
- R. Bellardii** Weihe & Nees in Bluff & Fingerhut, Comp. Fl. Germ. 1: 688 (1825).—Weihe & Nees, Deutsch. Bromb. 109, t. 44 (Rubi Germ. 97) [1827?].—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 610 (1902).—Focke in Bibl. Bot. 83: 247 (Spec. Rub. 471) (1914).
- R. fruticosus** Linnaeus, Sp. Pl. 493 (1753).—Koch, Syn. Fl. Germ. Helv. ed. 2, 233 (1843).
- Rubus plicatus* Weihe & Nees, Deutsche Bromb. 15, t. 1 (Rubi Germ. 13) (1822).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 459 (1902).—Focke in Bibl. Bot. 83: 100 (Spec. Rub. 324) (1914).
- R. vulgaris** Weihe & Nees, Deutsch. Bromb. 39, t. 14, fig. A, E (Rubi Germ. 38) [1824], excl. β., γ., δ.—Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 481 (1902); in Bibl. Bot. 83: 132, fig. 46, 47 (Spec. Rub. 356) (1914).
- Rubus vulgaris* a. *viridis* Weihe & Nees, Deutsch. Bromb. 39 (Rubi Germ. 38) [1825].
- Rubus fruticosus* Linnaeus ex Dierbach in Mag. Pharm. 20: 53–54 (Uebers. Heidelb. Wildw. Pfl.) (1827), cum var. multis.
- Rubus nitidus* (W. & N.) Bell Salter in Phytologist, 2: 101 (1845), non Rafinesque (1817), nom. subnud., nec Weihe & Nees (1822).
- Rubus Lindleianus* Lees in Phytologist, 3: 361 (1848).—Babington, Brit. Rubi, 75 (1869).—Focke, Syn. Rub. Germ. 143 (1877) "*Lindleyanus*".

- Rubus vulgaris* A. *eu-vulgaris* Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 482 (1902).  
*Rubus vulgaris* c. *Lindleyanus* Focke, l. c. (1902).
- R. macrophyllus** Weihe & Nees, Deutsch. Bromb. 36, t. 12 (Rubi Germ. 35) [1824], p. p.—Focke in Bibl. Bot. 83: 172 (Spec. Rub. 396) (1914).  
*Rubus macrophyllus* var. *a.* Weihe & Nees, l. c. [1825].  
*Rubus macrophyllus* A. *R. eu-macrophyllus* Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 522 (1902).  
*Rubus pileostachys* Grenier & Godron, Fl. France, 1: 548 (1848).
- R. macrophyllus** var. *amplificatus* Babington, Brit. Rubi, 153 (1869).—Bailey in Gent. Herb. 1: 197 (1923).  
*Rubus amplificatus* Lees in Steele, Handb. Field Bot. 58 (1869).  
 ?*Rubus Schlechtendalii* Weihe in Böminghausen, Prodr. Fl. Monast. Westphal. 152 (1824).—Weihe & Nees, Deutsch. Bromb. 35, t. 11 (Rub. Germ. 34) [1824].
- R. nessensis** W. Hall in Trans. Linn. Soc. Lond. 3: 20 (1794).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 23, t. 2, fig. 1 (1941).  
*Rubus suberectus* G. Anderson in Trans. Linn. Soc. Lond. 11: 218, fig. (1815).—Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 454 (1902); in Bibl. Bot. 83: 96, fig. 35, 36 (Spec. Rub. 320) (1914).  
*Rubus hybridus* Vest in Steiermärk. Zeitschr. 1: 162 (1821), non Villars (1779).  
*Rubus fastigiatus* Weihe & Nees, Deutsch. Bromb. 16, t. 2 (Rubi Germ. 16) (1822), p. p. quoad ram. flor.  
*Rubus nutans* Vest in Syll. Pl. Nov. Soc. Bot. Ratisb. 1: 238 (1824).  
*Rubus subinermis* Ruprecht in Beitr. Pflanzenk. Russ. Reich. 4: 66 (1845).  
*Rubus microacanthus* Kaltenbach, Fl. Aachen. Beck. 263 (1845).  
*Rubus pseudo-idaeus* P. J. Mueller in Flora, 41: 129 (1858).
- R. laciniatus** [West.] Willdenow, Enum. Pl. Hort. Berol. 1: 550 (1809); Hort. Berol. Icon. t. 82 (1816).—Focke in Bibl. Bot. 83: 134 (Spec. Rub. 358) (1914).  
*Rubus fruticosus* S. *laciniatus* Weston, Bot. Univ. 1: 341 (1770).  
*Rubus vulgaris* a. *laciniatus* Dippel, Handb. Laubh. 3: 529 (1893).—Focke in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 483 (1902) "lus."
- R. laciniatus** f. *elegans* (Bean), grad. nov.  
*Rubus laciniatus* var. *elegans* Bean, Trees Shrubs Brit. Isl. 2: 462 (1914).
- R. ostryifolius** Rydberg ex Britton, Man. Fl. N. Stat. Can. 497 (1901).—Bailey in Gent. Herb. 1: 281, fig. 130 (1925); 2: 392 (1932).  
*Rubus crux* Ashe in Jour. Elisha Mitchell Sci. Soc. 19: 8 (Stud. Brambles, 1) (1903).—Bailey in op. cit. 1: 186 (1923).  
*Rubus immanis* Ashe, l. c. (1903).  
*Rubus trux* Ashe ex Bailey in Gent. Herb. 1: 186 (1823), 283 (1925), pro syn.  
*Rubus floricomus* Blanchard in Am. Bot. 9: 106 (1905).  
*Rubus Andreusianus* Blanchard in Rhodora, 8: 17 (1906).  
*Rubus argutus* × *Ensenii* Rydberg in N. Am. Fl. 22: 465 (1913).
- R. pergratus** Blanchard in Rhodora, 8: 96 (1906).—Rydberg in N. Am. Fl. 22: 467 (1914).—Bailey in Gent. Herb. 1: 283 (1925).
- Rubus orarius* Blanchard in Rhodora, 8: 169 (1906).  
*Rubus amnicolus* Blanchard in op. cit. 170 (1906).
- R. laudatus** Berger in Hedrick, Small Fruits New York, 77 (Ann. Rep. New York St. Exp. Sta. 1925, pt. 2) (1925).—Bailey in Gent. Herb. 3: 265, fig. 140, 141 (1934).
- R. frondosus** (Torr.) Bigelow, Fl. Boston, ed. 2, 199 (1824).—Rydberg in N. Am. Fl. 22: 466 (1913).  
*Rubus villosus* β. *frondosus* Torrey, Fl. North. U. S. 1: 487 (1824).  
*Rubus philadelphicus* Blanchard in Torrey, 7: 56 (1907).
- R. floridus** Trattinnick, Rosac. Monog. 3: 73 (1823).—Rydberg in N. Am. Fl. 22: 465 (1913).  
*Rubus argutus* var. *floridus* Bailey, Sketch Evol. Nat. Fruits, 385 (1898).
- R. canadensis** Linnaeus, Sp. Pl. 494 (1753).—Rydberg in N. Am. Fl. 22: 468 (1913).—Focke in Bibl. Bot. 83: 97, fig. 33 (Spec. Rub. 315) (1914).—Bailey in Gent. Herb. 1: 293 (1925); 5: 467, fig. 212 (1944).  
*Rubus Millspaughii* Britton in Bull. Torrey Bot. Club, 18: 366 (1891).  
*Rubus canadensis* var. *Millspaughii* Blanchard in Bull. Torrey Bot. Club, 38: 427 (1911).
- R. trivalis** Michaux, Fl. Bor.-Am. 1: 296 (1803).—Rydberg in N. Am. Fl. 22: 479 (1913).—Focke in Bibl. Bot. 83: 84 (Spec. Rub. 308) (1914).—Bailey in Gent. Herb. 5: 203, fig. 84, 85 (1941).  
*Rubus hispidus* Marshall, Arbust. Am. 137 (1785), non Linnaeus (1753).  
 ?*Rubus nitidus* Rafinesque, Fl. Ludov. 98 (1817).  
*Rubus sanguinolentus* Link, Enum. Pl. Hort. Berol. ed. 2, 61 (1822).  
*Rubus rubriset* Rydberg in Britton, Man. Fl. N. St. Can. 497 (1901); in N. Am. Fl. 22: 480 (1913).  
*Rubus carpinifolius* Rydberg in Small, Fl. Southeast. U. S. 519 (1903), non Weihe & Nees [1824].  
*Rubus hispidus* subsp. (?) *continentalis* Focke in Bibl. Bot. 83: 86 (Spec. Rub. 310) (1914).  
*Rubus continentalis* Bailey in Gent. Herb. 1: 173 (1923).
- R. hispidus** Linnaeus, Sp. Pl. 493 (1753).—Rydberg in N. Am. Fl. 22: 478 (1913).—Focke in Bibl. Bot. 83: 84 (Spec. Rub. 308) (1914).  
*Rubus obovalis* Michaux, Fl. Bor.-Am. 1: 298 (1803).  
*Rubus obovatus* Elliott, Sketch Bot. S. Carol. 1: 570 (1821), non Persoon (1806).  
*Rubus sempervirens* Bigelow, Fl. Boston. ed. 2, 201 (1824).  
*Rubus hispidus* var. *major* Blanchard in Rhodora, 8: 213 (1906).  
*Rubus hispidus* var. *obovatus* Fernald in Rhodora, 42: 281 (1940).—Bailey in Gent. Herb. 5: 75, fig. 24 (1941).
- R. setosus** Bigelow, Fl. Boston. ed. 2, 198 (1824).—Rydberg in N. Am. Fl. 22: 477 (1913).—Focke in Bibl. Bot. 83: 86, fig. 31 (Spec. Rub. 310) (1914).—Bailey in Gent. Herb. 1: 254 (1925).  
*Rubus hispidus* β. *setosus* Torrey & Gray, Fl. N. Am. 1: 456 (1840).  
*Rubus hispidus* var. *suberecta* Peck in Ann. Rep. New York State Mus. 44 (1890); 143 (1892).  
*Rubus nigrobaccus* × *strigosus* Bailey & Card in Card, Bush-Fruits, 326 (1898).  
*Rubus nigricans* Rydberg in Britton, Man. Fl. N. St. Can. 498 (1901).—Bailey in Gent. Herb. 5: 140, fig. 51 (1941).

**Rubus setosus** (*continued*)

- Rubus GROUTIANUS* Blanchard in *Am. Bot.* **10**: 108 (1906). — Bailey in *Gent. Herb.* **5**: 178, fig. 73 (1941).
- R. flagellaris** Willdenow, *Enum. Pl. Hort. Berol.* 549 (1809). — Rydberg in *N. Am. Fl.* **22**: 473 (1913). — Bailey in *Gent. Herb.* **1**: 157, fig. 64, 65 (1923); **5**: 244, fig. 98, A, 99, 100 (1943).
- Rubus procumbens* sensu W. Barton, *Compend. Fl. Philad.* **1**: 233 (1818). — Rydberg in *N. Am. Fl.* **22**: 474 (1913). — Focke in *Bibl. Bot.* **83**: 81, fig. 118 (Spec. Rub. 305) (1914). — Vix Muhlenberg (1813), nom.
- Rubus trivialis* sensu Pursh, *Fl. Am. Sept.* 347 (1814), non Michaux (1803).
- Rubus canadensis* sensu Torrey & Gray, *Fl. N. Am.* **1**: 455 (1840), non Linnaeus (1753).
- Rubus villosus* sensu Bailey, *Sketch Evol. Nat. Fruits*, 371 (1898), non Thunberg (1784), nec Aiton (1789).
- Rubus subuniflorus* Rydberg in Britton, *Man. Fl. N. St. Can.* 498 (1901).
- Rubus aboriginum* Rydberg in *N. Am. Fl.* **22**: 473 (1913).
- Rubus procumbans* subsp. *subuniflorus* Focke in *Bibl. Bot.* **83**: 83, fig. 30 (Sp. Rub. 307, fig. 118) (1914).
- R. flagellaris** var. **roribaccus** (Bailey) Bailey in *Gent. Herb.* **1**: 16, fig. 66 (1923), 234 (1925).
- Rubus canadensis* var. *roribaccus* L. H. B[ailey] in *Am. Gard.* **11**: 642, t. (1890).
- Rubus villosus* var. *roribaccus* Bailey, *Sketch Evol. Nat. Fruits*, 373 (1898).
- Rubus roribaccus* Rydberg in Britton, *Man. Fl. N. St. Can.* 498 (1901), p. p. quoad nom. — Bailey in *Gent. Herb.* **5**: 254, fig. 103 (1943).
- Rubus procumbens* var. *roribaccus* Bailey, *Stand. Cycl. Hort.* **5**: 3031 (1916).
- R. flagellaris** var. **almus** Bailey in *Gent. Herb.* **2**: 319, fig. 155 (1932).
- Rubus almus* Bailey in op. cit. **5**: 264, fig. 108 (1943).
- R. velox** Bailey in *Gent. Herb.* **1**: 168, fig. 73, 74 (1923).
- R. plicatifolius** Blanchard in *Rhodora*, **8**: 149 (1906). — Rydberg in *N. Am. Fl.* **22**: 472 (1913). — Bailey in *Gent. Herb.* **1**: 167, fig. 72 (1923); **5**: 338, fig. 147 (1943).
- ?*Rubus villosus* Aiton, *Hort. Kew.* **2**: 210 (1789), non Thunberg (1784).
- Rubus procumbens* sensu Rydberg in Britton, *Man. Bot. N. St. Can.* 498 (1901), non Barton (1818).
- Rubus semierectus* Blanchard in *Rhodora*, **8**: 156 (1906).
- R. caesius** Linnaeus, *Sp. Pl.* 706 (1753). — Focke in Ascherson & Graebner, *Syn. Mitteleur. Fl.* **6,1**: 626 (1902); in *Bibl. Bot.* **83**: 253 (Spec. Rub. 477) (1914). — Juzepchuk in Komarov, *Fl. S. S. S. R.* **10**: 56, t. 5, fig. 3 (1941).
- R. caesius** var. **turkestanicus** Regel in *Gartenfl.* **41**: 106, fig. 25 (1892); in *Act. Hort. Petrop.* **11**: 477, fig. (1892). — Focke in *Bibl. Bot.* **83**: 255 (Spec. Rub. 478) (1914) "subsp."
- R. nemorosus** Hayne, *Getr. Darst. Arzneigew.* **3**: t. 10 (1813). — Focke in Ascherson & Graebner, *Syn. Mitteleur. Fl.* **6,1**: 638 (1902); in *Bibl. Bot.* **83**: 259 (Spec. Rub. 483) (1914).

**POTENTILLA** Linnaeus, *Sp. Pl.* 495 (1753); *Gen. Pl.* ed. 5, 219, no. 559 (1754). — Bentham & Hooker f., *Gen.*

- Pl.* **1**: 620 (1865). — Th. Wolf in *Bibl. Bot.* **71**: 1-714, t. 1-20 (Monog. Potent.) (1908).
- LECTOTYPUS: *P. reptans* L.
- Comarum* Linnaeus, *Sp. Pl.* 502 (1753). — Ascherson & Graebner, *Syn. Mitteleur. Fl.* **6,1**: 663 (1904).
- Pancovia* Heister ex Adanson, *Fam. Pl.* **2**: 294 (1763).
- Argentina* Lamarck, *Fl. Franç.* **3**: 118 (1778), p. p.
- Potentilla* sect. *Comarum* Tausch, *Hort. Canal. dec.* **1**: in textu t. [10] *P. ornithopoda* (1823).
- Dasiphora* Rafinesque, *Autik. Bot.* 167 (1840).
- Potentilla* §. *Comocarpa* Torrey & Gray, *Fl. N. Am.* **1**: 445 (1840).
- Potentilla* sect. *Trichothalamus* Focke, *Abh. Naturw. Ver. Bremen*, **10**: 413 (1889).
- Sibbaldiopsis* Rydberg in *Mem. Dept. Bot. Columbia Univ.* **2**: 187 (Monog. Am. Potent.) (1898); in *N. Am. Fl.* **22**: 187 (1908).
- P. fruticosa** Linnaeus, *Sp. Pl.* 495 (1753). — Ascherson & Graebner, *Syn. Mitteleur. Fl.* **6,1**: 672 (1904). — Schneider, *Ill. Handb. Laubh.* **1**: 523, fig. 312e-l, 313a-c (1905). — Th. Wolf in *Bibl. Bot.* **71**: 55 (1908).
- Fragaria fruticosa* Crantz, *Inst. Rei Herb.* **2**: 176 (1766).
- Potentilla fruticosa* a. *vulgaris* Willdenow ex Schlechtendal in *Mag. Ges. Naturf. Fr. Berlin*, **7**: 285 (1813), — Nakai, *Fl. Sylv. Kor.* **7**: 79, t. 35 (1918).
- Dasiphora riparia* Rafinesque, *Autik. Bot.* 167 (1840).
- Dasiphora floribunda* Rafinesque, l. c. (1840).
- Potentilla fruticosa* a. *typica* Regel & Herder in *Bull. Soc. Nat. Moscou*, **39,2**(3): 55 (Pl. Semenov.) (1866).
- Dasiphora fruticosa* Rydberg in *Mem. Dept. Bot. Columbia Univ.* **2**: 188 (Monog. Am. Potent.) (1898); in *N. Am. Fl.* **22**: 366 (1908). — Juzepchuk in Komarov, *Fl. S. S. S. R.* **10**: 69, t. 7, fig. 2 (1941).
- P. fruticosa** var. **Farrereri** Besant in *Gard. Chron. ser. 3*, **82**: 327 (1927). — F. C. Wood in *Gard. Chron. ser. 3*, **120**: 244, fig. 109 (1946).
- P. fruticosa** var. **grandiflora** Willdenow ex Schlechtendal in *Mag. Ges. Naturf. Fr. Berlin*, **7**: 285 (1813) "β."; non var. *grandiflora* Marquand in *Jour. Linn. Soc. Bot.* **48**: 175 (1929) = f. *Wardii* Rehder in *Jour. Arnold Arb.* **20**: 97 (1939).
- P. fruticosa** f. **micrandra** (Koehne) Schneider, *Ill. Handb. Laubh.* **1**: 524, fig. 313i-l (1905). — Bean, *Trees Shrubs Brit. Isl.* **2**: 223 (1914) "var."
- Potentilla micrandra* Koehne in *Mitt. Deutsch. Dendr. Ges.* **1896**(5): 48 (1896).
- P. fruticosa** var. **tenuiloba** (Schlechtend.) Seringe in *De Candolle, Prodr.* **2**: 579 (1825).
- Potentilla tenuifolia* Willdenow ex Schlechtendal in *Mag. Ges. Naturf. Fr. Berlin*, **7**: 284 (1813).
- Potentilla floribunda* Pursh, *Fl. Am. Sept.* 355 (1814).
- Potentilla fruticosa* γ. Lehmann, *Monog. Potent.* 31 (1820).
- Potentilla Loureiroi* Trattinick, *Rosac. Monog.* **4**: 4 (1824).
- Potentilla fruticosa* γ. *tenuifolia* Lehmann, *Rev. Potent.* 17 (Nov. Act. Acad. Leop.-Carol. **23**, Suppl.) (1856). — Th. Wolf in *Bibl. Bot.* **71**: 58 (1908).
- Dasiphora fruticosa tenuifolia* Rydberg in *Mem. Dept. Bot. Columbia Univ.* **2**: 190 (Monog. Am. Potent.) (1898).
- Potentilla fruticosa* var. *tenuifolia* f. *floribunda* Th. Wolf in *Bibl. Bot.* **71**: 58 (1908).
- P. fruticosa** var. **pyrenaica** Willdenow ex Schlechtendal in *Mag. Ges. Naturf. Fr. Berlin*, **7**: 285 (1813) "β." —

- Rouy & Camus, Fl. France, **6**: 174 (1900).—Ascher-  
son & Graebner, Syn. Mitteleur. Fl. **6,1**: 673 (1904)  
"B. *Pyrenaica*."
- Potentilla prostrata* Lapeyrouse, Hist. Abr. Pl. Pyrén.  
Suppl. 67 (1818).
- Potentilla fruticosa* var. *prostrata* Gautier, Fl. Pyr. Or.  
160 (1896).—Th. Wolf in Bibl. Bot. **71**: 57 (Monog.  
Potent.) (1908) "var. *vulgaris* f. *pr.*"
- P. fruticosa** var. *parvifolia* (Lehmann) Th. Wolf in Bibl.  
Bot. **71**: 58 (Monog. Potent.) (1908), exclud. syn.  
Hooker f.
- Potentilla parvifolia* Fischer ex Lehmann, Nov. Min.  
Cogn. Stirp. Pugill. **3**: 6 (1831).
- Potentilla fruticosa* var. *microphylla* Ruprecht in Osten-  
Sacken & Ruprecht in Mém. Acad. Sci. St. Pétersb.  
sér. 7, **14,4**: 45 (Sert. Tianshan.) (1869).
- Potentilla fruticosa* β. *angustifolia* Regel & Herder in  
Bull. Soc. Nat. Moscou, **39,2(3)**: 55 (Pl. Semenov.)  
(1866).
- Dasiphora parvifolia* Iuzepchuk in Komarov, Fl. S. S.  
S. R. **10**: 71, t. 7, fig. 3 (1941).
- ?*Potentilla fruticosa* var. *alpina* hort. Petrop. ex Regel,  
Russk. Dendr. **6**: 516 (1882), non Watson & Rothrock  
(1874).
- ?*Potentilla fruticosa* var. *humilis* Regel ex Späth Cat. ex  
Schneider, Ill. Handb. Laubh. **1**: 524 (1905).
- P. fruticosa** var. *pumila* Hooker f., Fl. Brit. Ind. **2**: 348  
(1878).—Th. Wolf in Bibl. Bot. **71**: 59 (1908), p. p.
- Potentilla lanuginosa* S. Arnott in Gard. Chron. ser. 3,  
**48**: 296 (1910).—Hort. Vilmorin ex Rehder, Man.  
Cult. Trees Shrubs, 422 (1927), pro syn.—Non  
Fischer ex Sweet (1839), nom. [= *P. Callieri* (Th.  
Wolf) Iuzepchuk (1941)]; nec Boulay (1864), nom.
- Potentilla arbuscula* var. *pumila* Handel-Mazzetti, Symb.  
Sin. **1**: 508 (1933).
- P. fruticosa** var. *rigida* (Wall. ex Lehm.) Th. Wolf in  
Bibl. Bot. **71**: 57 (1908).—Rehder & Wilson in Sarg-  
ent, Pl. Wilson. **2**: 302 (1915).
- Potentilla arbuscula* D. Don, Prodr. Fl. Nepal. 256 (1825).  
—Handel-Mazzetti, Symb. Sin. **1**: 508 (1933).
- Potentilla rigida* Wallich, Num. List, no. 1009 (1829),  
nom.—Lehmann in Nov. Min. Cogn. Stirp. Pugill. **3**:  
3 (1831); in Nov. Act. Acad. Leop.-Carol. **33** (Suppl.):  
19, t. 1 (Rev. Potent.) (1856).—Schneider, Ill. Handb.  
Laubh. **1**: 525 (1905).
- Potentilla fruticosa* var. *arbuscula* et var. *rigida* Maximo-  
wicz in Bull. Acad. Sci. St. Pétersb. **19**: 165 (in Mém.  
Biol. **9**: 158) (1873), in textu.
- Potentilla arbuscula* var. *rigida* Handel-Mazzetti, Symb.  
Sin. **1**: 508 (1933), p. p.
- P. fruticosa** var. *albicans* Rehder & Wilson in Sargent,  
Pl. Wilson. **2**: 302 (1915).
- Potentilla arbuscula* var. *albicans* Handel-Mazzetti, Symb.  
Sin. **1**: 508 (1933).
- P. fruticosa** var. *Friedrichsenii* (*fruticosa* × var. *da-  
vurica*) (Spaeth) Rehder in Bailey, Stand. Cycl. Hort.  
**6**: 3571 (1917).
- Potentilla Friedrichsenii* (*dahurica* × *fruticosa* Koehne)  
Spaeth, Kat. **124**: 113 (1907).—Schelle in Mitt.  
Deutsch. Dendr. Ges. **1915(24)**: 194 (1916).—Handel-  
Mazzetti in Act. Hort. Gotoburg. **13**: 301 (1940) "*P.  
fruticosa* × *glabra*."
- P. fruticosa** f. *ochroleuca* (Spaeth), grad. nov.  
*Potentilla Friedrichsenii ochroleuca* Spaeth in Mitt.  
Deutsch. Dendr. Ges. **1909** (18): 326, 327 [?1910]; in  
Repert. Sp. Nov. Reg. Veg. **13**: 349 (1914).
- Potentilla fruticosa* var. *ochroleuca* Bean, Trees Shrubs  
Brit. Isl. **2**: 223 (1914).
- P. fruticosa** var. *Purdonii* Rehder in Jour. Arnold Arb.  
**3**: 209 (1922).
- Potentilla Rehderiana* (*P. parvifolia* × *glabra* var.  
*mandshurica*) Handel-Mazzetti in Act. Hort. Goto-  
burg. **13**: 301 (1940).
- P. fruticosa** var. *Vilmoriniana* Komarov in Repert. Sp.  
Nov. Reg. Veg. **7**: 146 (1909).—Mottet in Rev. Hort.  
n. sér. **10**: 56, fig. 17 (1910).
- Potentilla Vilmoriniana* K[onken] in Möller's Deutsch.  
Gärtn.-Zeit. **50**: 364 (1935), nom. subnud.—Handel-  
Mazzetti in Act. Hort. Gotoburg. **13**: 300 (1940) "*P.  
arbuscula* × *glabra*."
- P. fruticosa** var. *Veitchii* (Wils.) Bean, Trees Shrubs  
Brit. Isl. **2**: 223 (1914); in Jour. Hort. Soc. Lond. **40**:  
222, fig. 52 (1914).
- Potentilla Veitchii* Wilson in Gard. Chron. ser. 3, **50**: 102  
(1911).—Handel-Mazzetti, Symb. Sin. **1**: 509 (1933).
- Potentilla davurica* var. *Veitchii* Jesson in Bot. Mag. **141**:  
t. 8637 (1915).
- Dasiphora fruticosa* var. *Veitchii* Nakai in Jour. Jap. Bot.  
**15**: 601 (1939).
- ?*Potentilla glabra* var. *subalbicans* Handel-Mazzetti in  
Act. Hort. Gotoburg. **13**: 297 (1940).
- Potentilla glabra* var. *Veitchii* Handel-Mazzetti in op. cit.  
298 (1940).
- P. fruticosa** f. *Beanii* Rehder in Jour. Arnold Arb. **20**: 97  
(1939) "var. *Friedrichsenii* f. *B.*"
- Potentilla Friedrichsenii leucantha* Spaeth in Mitt.  
Deutsch. Dendr. Ges. **1910(19)**: 286, 290 [?1911].
- Potentilla fruticosa* var. *leucantha* Bean, Trees Shrubs  
Brit. Isl. **2**: 223 (1914), non Makino (1910).
- P. fruticosa** var. *davurica* (Nestl.) Seringe in De Can-  
dolle, Prodr. **2**: 579 (1825) "β. *dahurica*."—Rehder  
in Jour. Arnold Arb. **5**: 200 (1924).
- Potentilla davurica* Nestler, Monog. Potent. **31**, t. 1<sup>bis</sup>,  
B (1816).—Th. Wolf in Bibl. Bot. **71**: 61 (Monog.  
Potent.) (1908).
- Potentilla glabrata* Willdenow ex Schlechtendal in Mag.  
Ges. Naturf. Fr. Berlin, **7**: 285 (1816).
- Potentilla fruticosa* β. Lehmann, Monog. Potent. **32**  
(1820).
- Potentilla glabra* Loddiges, Bot. Cab. **10**: t. 914 (1826),  
sed cf. Handel-Mazzetti in Act. Hort. Gotoburg. **13**:  
295 (1940).
- Dasiphora davurica* Komarov & Klobukova-Alisova, Key  
Pl. Far East Reg. U. S. S. R. **2**: 641 (1932) p. p., quoad  
nom.—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 72  
(1941).
- P. fruticosa** var. *mandshurica* Maximowicz in Bull. Acad.  
Sci. St. Pétersb. **19**: 164 (in Mém. Biol. **9**: 158) (1873).
- Potentilla davurica* var. *mandshurica* Th. Wolf in Bibl.  
Bot. **71**: 61 (Monog. Potent.) (1908).
- Potentilla fruticosa* var. *leucantha* Makino in Bot. Mag.  
Tokyo, **24**: 32 (1910).
- Dasiphora fruticosa* var. *leucanthata* Nakai in Jour. Jap.  
Bot. **15**: 600 (1939).
- Potentilla glabra* var. *mandshurica* Handel-Mazzetti in  
Act. Hort. Gotoburg. **13**: 297 (1940).
- Dasiphora mandshurica* Iuzepchuk in Komarov, Fl. S. S.  
S. R. **10**: 73 (1941).
- Potentilla mandshurica* [?Ingwersen] in Gard. Chron.  
ser. 3, **117**: 227, fig. 105 (1945).

**Potentilla** (*continued*)

**P. tridentata** Aiton, Hort. Kew. 2: 216 (1789).—Michaux, Fl. Bor.-Am. 1: 302 (1803).—Th. Wolf in Bibl. Bot. 71: 77 (1908).

*Sibbaldiopsis tridentata* Rydberg in Mem. Dept. Bot. Columbia Univ. 2: 187 (1898); in N. Am. Fl. 22: 365 (1908).

**P. Salesoviana** Stephan in Mém. Soc. Nat. Moscou, 2: 6, t. 3 (1809).—Th. Wolf in Bibl. Bot. 71: 74 (Monog. Potent.) (1908).

*Potentilla Salesovii* Stephan ex Willdenow, Enum. Pl. Hort. Berol. 552 (1809).—Trattinnick, Rosac. Monog. 4: 7 (1824).

*Comarum Salesovii* Bunge in Del. Sem. Hort. Dorpat. 1839: 8 (1839).—Ledebour, Fl. Ross. 2: 63 [1843] "*Salesowii*".

*Comarum Salesovianum* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 663 (1904).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 77 (1941) "*Salesovianum*".

**P. palustris** (L.) Scopoli, Fl. Carniol. ed. 2, 1: 359 (1772).—Th. Wolf in Bibl. Bot. 71: 75 (Monog. Potent.) (1908).

*Comarum palustre* Linnaeus, Sp. Pl. 502 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 663 (1904).—Rydberg in N. Am. Fl. 22: 355 (1908).

*Fragaria palustris* Crantz, Stirp. Austr. fasc. 2: 11 (1763); ed. 2, 1: 73 (1769).

*Argentina rubra* Lamarck, Fl. Franç. 3: 120 (1778).

*Comarum rubrum* Gilibert, Fl. Lithuan. 2: 255 (1781); Syst. Pl. Eur. 1: Pl. Lithuan. 78 (1785); in Usteri, Del. Opusc. Bot. 2: 45 (1793).

*Potentilla Comarum* Nestler, Monog. Potent. 36 (1816).

*Potentilla rubra* Haller f. in Seringe, Musée Helv. Hist. Nat. 1: 56 [1818].

**FALLUGIA** Endlicher, Gen. Pl. 1246 (1840).—Bentham & Hooker f., Gen. Pl. 1: 618 (1865).

TYPE: *Sieversia paradoxa* D. Don = *F. paradoxa* (D. Don) Torrey.

**F. paradoxa** (D. Don) Torrey in Emory, Notes Milit. Recon. Leavenworth Calif. 140 (1848).—Rydberg in N. Am. Fl. 22: 414 (1913).

*Sieversia paradoxa* D. Don in Trans. Linn. Soc. Lond. 14: 576, t. 22, fig. 7–10 (1825).

*Geum ? cercocarpoides* Seringe in De Candolle, Prodr. 2: 554 (1825).

*Geum paradoxum* Steudel, Nomencl. Bot. ed. 2, 1: 682 (1841).

*Fallugia mexicana* Walpers, Repert. Bot. 2: 46 (1843).

*Fallugia micrantha* Cockerell in Entomol. News, 12: 41 (1901).

*Fallugia acuminata* Cockerell in Proc. Acad. Nat. Sci. Philad. 1903: 590 (1903).

**COWANIA** D. Don in Trans. Linn. Soc. Lond. 14: 574 (1825).—Bentham & Hooker f., Gen. Pl. 1: 618 (1865).

*Greggia* Engelmann in Wislizenus, Tour. North. Mex. 114 (1848).

TYPE: *C. mexicana* D. Don.

**C. Stansburiana** Torrey in Stansbury, Expl. Surv. Utah, 386 (1852).—Rydberg in N. Am. Fl. 22: 415 (1913).

*Cowania plicata* sensu Torrey in Frémont, Rep. Expl. Exped. Rocky Mts. 314 (1845), non D. Don (1838).

*Cowania mexicana* sensu Gray, Pl. Wright, 2: 55 (1853), non D. Don (1845).

**DRYAS** Linnaeus, Sp. Pl. 501 (1753); Gen. Pl. ed. 5, 220, no. 562 (1754).—Bentham & Hooker f., Gen. Pl. 1: 618 (1865).—Iuzepchuk in Bull. Jard. Bot. U. R. S. S. 28: 306–327 (1929); in Komarov, Fl. S. S. S. R. 10: 264, t. 20 (1941).

*Ptilotum* Dulac, Fl. Haut.-Pyrén. 313 (1867).

*Dryadea* Linnaeus ex Kuntze, Rev. Gen. Pl. 1: 215 (1891).

TYPE: *D. octopetala* L.

**D. octopetala** Linnaeus, Sp. Pl. 501 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 889 (1905).—Rydberg in N. Am. Fl. 22: 400 (1913).

*Geum Chamaedryfolium* Crantz, Stirp. Austr. fasc. 1: 7 (1763); ed. 2, 1: 70 (1769).

*Dryas chamaedryoides* Pallas, Reise Russ. Reich, 3: 733 (1776).

*Dryas alpina* Salisbury, Prodr. Stirp. Chap. Allert. 363 (1796).

*Dryas chamaedrifolia* S. F. Gray, Nat. Arr. Brit. Pl. 2: 578 (1821).

*Dryas octopetala* a. *genuina* Regel & Tiling in Nouv. Mém. Soc. Nat. Moscou, 11: 82 (Fl. Ajan. 1858) (1859).

*Ptilotum octopetalum* Dulac, Fl. Haut.-Pyrén. 343 (1867).

*Dryadea octopetala* Kuntze, Rev. Gen. Pl. 1: 215 (1891).

*Dryas octopetala* a. *typica* Beck, Fl. Nieder-Öster. 763 (1892).

**D. octopetala** var. *asiatica* (Nakai) Nakai, Florula Mt. Paik-tu-san, 65 (1918); Fl. Sylv. Kor. 7: 47, t. 17 (1918).

*Dryas octopetala* f. *asiatica* Nakai in Bot. Mag. Tokyo, 30: 233 (1916).

*Dryas Tschonoskii* Iuzepchuk in Bull. Jard. Bot. Princip. U. R. S. S. 28: 319 (1929); in Komarov, Fl. S. S. S. R. 10: 276, t. 20, fig. 5 (1941).

**D. octopetala** var. *integrifolia* (Vahl) Hooker f. in Jour. Linn. Soc. Lond. Bot. 5: 83 (1860).

*Dryas integrifolia* Vahl in Skrivt. Naturh.-Selsk. Kjöbenhavn. 4,2: 171 (1798).—Hooker f. Exot. Fl. 3: 220, t. (1827).

*Dryas integrifolia* var. *canescens* Simmons, Vasc. Pl. Ellesmerel. 46 (1906).

**D. octopetala** var. *argentea* Blytt, Norges Fl. 3: 1176 (1876) "*β.*"—Hegi, Ill. Fl. Mittel-Eur. 4,2: 924 [1923] "*var. a. Kotula*", pro syn.

*Dryas lanata* Stein ex Correvon in Gard. Chron. ser. 3, 9: 340 (1891).

*Dryas nivea* F. Kerner ex Correvon l. c. (1891), pro syn.

*Dryas octopetala* β. *vestita* Beck, Fl. Nieder-Öster. 763 (1892).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 890 (1905). "*D. o. b. v.*"

*Dryas octopetala* (f.) γ. *hirsuta* Hartz in Meddel. Groenland, 18: 319 (1895).

*Dryas octopetala* f. *lanata* (Stein) Schneider, Ill. Handb. Laubh. 1: 526 (1905).—Hegi, Ill. Fl. Mittel-Eur. 4,2: 924 [1923] "*var. l. (Kerner)*"; pro syn.—Rehder, Man. Cult. Trees Shrubs, ed. 2, 424 (1940).

**D. Sündermannii** (*D. Drummondii* × *octopetala*) Kellner ex Sündermann in Allg. Bot. Zeitschr. 26/27: 21 (1925) "*D. octopetala* ♂ × *D. Drummondii* ♀".—Van Melle in Bull. Am. Rock Gard. Soc. 3: 39, fig. (1945) "*forma speciei D. octopetala?*"

**D. Drummondii** Richardson ex Hooker in Bot. Mag. 57: t. 2972 (1830); Fl. Bor.-Am. 1: 174 [1830].—Rydberg in N. Am. Fl. 22: 400 (1913).



- Dryas octopetala* var. *Drummondii* S. Watson, Bibl. Ind. N. Am. Bot. 281 (1878).
- Dryadea Drummondii* Kuntze, Rev. Gen. Pl. 1: 215 (1891).
- D. tomentosa** Farr in Ottawa Nat. 20: 110 (1906).—Rydberg in N. Am. Fl. 22: 401 (1913).
- CERCOCARPUS** Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. 6: 232 (fol. ed. 183) (1823).—Bentham & Hooker f., Gen. Pl. 1: 618 (1865).  
TYPUS: *C. fothergilloides* H. B. K.
- C. betuloides** Nuttall ex Torrey & Gray, Fl. N. Am. 1: 427 (1840, June).—Rydberg in N. Am. Fl. 22: 421 (1913).  
*Cercocarpus betulaeifolius* Nuttall ex Hooker in Hooker's Icon. Pl. 4: t. 322 (1840, Oct.).  
*Cercocarpus parvifolius* var. *glaber* S. Watson in Brewer & Watson, Bot. Calif. 1: 175 (1876).  
*Cercocarpus parvifolius* var. *betuloides* Sargent, Silva N. Am. 4: 66 (1892).  
*Cercocarpus betulaeifolius* var. *typicus* Schneider, Ill. Handb. Laubh. 1: 531 (1905).  
*Cercocarpus betulaeifolius* var. *typicus* f. *glabrescens* Schneider, l. c. (1905).
- C. montanus** Rafinesque in Atlantic Jour. (Rafinesque) 146 (1832).—Rydberg in N. Am. Fl. 22: 420 (1913); in Bull. Torrey Bot. Club, 41: 498 (1914).  
*Cercocarpus fothergilloides* sensu Torrey in Ann. Lyc. Nat. Hist. New York, 2: 198 (1827), non Humboldt, Bonpland, Kunth (1823).  
*Cercocarpus parvifolius* Nuttall ex Hooker & Arnott, Bot. Beechey Voy. 337 (1838), p. p.—Hooker in Hooker's Icon. Pl. 4: t. 323 (1841), p. p., exclud. tab.—Sargent, Silva N. Am. 4: 65 (1892), p. p.  
*Cercocarpus parvifolius* var. *hirsutissimus* Schneider, Ill. Handb. Laubh. 1: 532 (1905).  
*Cercocarpus parvifolius* var. *typicus* Schneider in Mitt. Deutsch. Dendr. Ges. 1905 (14): 127 (1905).
- C. Douglasii** Rydberg in N. Am. Fl. 22: 421 (1913).  
*Cercocarpus parvifolius* Nuttall ex Hooker & Arnott, Bot. Beechey Voy. 337 (1838), p. p.—Hooker in Hooker's Icon. Pl. 4: t. 323 (1841), p. p., quoad tab.—Sargent, Silva N. Am. 4: 65, t. 166 (1892), p. p.  
*Cercocarpus betulaeifolius* Schneider, Ill. Handb. Laubh. 1: 531, fig. 316a-e, 318d-e (1905), exclud. fig. 318f; non *C. betulaeifolius* Hooker (1840).  
*Cercocarpus betulaeifolius* var. *Blancheae* Schneider in Mitt. Deutsch. Dendr. Ges. 1905 (14): 127 (1905).
- C. argenteus** Rydberg in N. Am. Fl. 22: 422 (1913).
- C. ledifolius** Nuttall ex Torrey & Gray, Fl. N. Am. 1: 427 (1840).—Rydberg in N. Am. Fl. 22: 423 (1913).
- PURSHIA** De Candolle ex Poiret, Encycl. Méth. Suppl. 4: 623 (1816).—De Candolle in Trans. Linn. Soc. Lond. 12: 152 [1817].—Bentham & Hooker f., Gen. Pl. 1: 617 (1865).  
*Tigarea* Pursh, Fl. Am. Sept. 333, t. (1814), non Aublet (1775).  
*Kunzia* Sprengel, Anleit. Kenntn. Gew. ed. 2, 2: 869 (1818).—Greene in Pittonia, 2: 298 (1892).—Rydberg in Bull. Torrey Bot. Club, 41: 496 (1914) "*Kuntzia*," pro syn.  
TYPUS: *Tigarea tridentata* Pursh = *P. tridentata* (Pursh) DC.
- P. tridentata** (Pursh) De Candolle in Trans. Linn. Soc. Lond. 12: 158 [1817].—Rydberg in N. Am. Fl. 22: 417 (1913).
- COLEOGYNE** Torrey in Smithson. Inst. Contrib. Knowl. 4, 1: 8, t. 4 (Pl. Frémont.) (1854).—Bentham & Hooker f., Gen. Pl. 1: 617 (1865).  
TYPUS: *C. ramosissima* Torr.
- C. ramosissima** Torrey, l. c. (1854).—Rydberg in N. Am. Fl. 22: 397 (1913).
- CHAMAEBATIA** Bentham, Pl. Hartweg. 308 [1848].—Bentham & Hooker f., Gen. Pl. 1: 617 (1865).  
TYPUS: *C. foliolosa* Benth.
- C. foliolosa** Bentham, l. c. [1848].—Rydberg in N. Am. Fl. 22: 417 (1913).
- MARGYRICARPUS** Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 5, t. 33 (1794).—Bentham & Hooker f., Gen. Pl. 1: 623 (1865).  
*Tetraglochin* Poeppig, Fragm. Syn. Pl. Chile, 26 (1833).  
TYPUS: *M. setosus* Ruiz & Pavon.
- M. setosus** Ruiz & Pavon, Fl. Peruv. Chil. 1: 28, t. 8, fig. d (1798).—Schneider, Ill. Hand. Laubh. 1: 535, fig. 318n-q<sup>1</sup> (1905).
- ACAENA** Mutis ex Linnaeus, Mant. Pl. 2: 145 (1771).—Bentham & Hooker f., Gen. Pl. 1: 623 (1865).—Bitter in Bibl. Bot. 74: 23 (1910).  
TYPUS: *A. elongata* L.
- A. elongata** Linnaeus, Mant. Pl. 2: 200 (1771).—Bitter in Bibl. Bot. 74: 28 (1910).—Rydberg in N. Am. Fl. 22: 390 (1913).  
*Acaena lappacea* Ruiz & Pavon, Fl. Peruv. Chil. 1: 67, t. 103, fig. a, 1-6 (1798), p. p.  
*Ancistrum elongatum* Poiret, Encycl. Méth. Bot. Suppl. 1: 345 (1810).  
*Acaena agrimonioides* Humboldt, Bonpland, Kunth, Nov. Gen. Spec. Pl. 6: 231 (fol. ed. 182) (1823).
- A. elongata** var. *gracilis* Bitter in Bibl. Bot. 74: 30, fig. 2 (1910).
- A. microphylla** Hooker f., Bot. Antarct. Voy. II. Fl. N. Zeal. 1: 55 [1852].—Bitter in Bibl. Bot. 74: 285 (1911).
- POTERIUM** Linnaeus, Sp. Pl. 994 (1753), p. p.; Gen. Pl. ed. 5, 430, no. 948 (1754), p. p.—Bentham & Hooker f., Gen. Pl. 1: 624 (1865), p. p.—Focke in Nat. Pflanzenfam. III. 3: 45 (1888).  
*Pimpinella* Adanson, Fam. Pl. 2: 293 (1763).—Gaertner, Fruct. Sem. 1: 161 (1788).—Non Linnaeus (1753).  
*Sarcopoterium* Spach in Ann. Sci. Nat. Bot. sér. 3, 5: 43 (1846).  
LECTOTYPUS: *P. spinosum* L.
- P. spinosum** Linnaeus, Sp. Pl. 994 (1753).—Schneider, Ill. Handb. Laubh. 1: 536, fig. 318u-x (1905).  
*Pimpinella spinosa* Gaertner, Fruct. Sem. 1: 162, t. 32 (1788).  
*Sanguisorba spinosa* Bertoloni, Fl. Ital. 2: 185 (1835).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 1: 435 (1902).  
*Sarcopoterium spinosum* Spach in Ann. Sci. Nat. Bot. sér. 3, 5: 43 (1846).

**ROSA** Linnaeus, Sp. Pl. 491 (1753); Gen. Pl. ed. 5, 217, no. 556 (1754).—Bentham & Hooker f., Gen. Pl. 1: 625 (1865).—Christ in Boissier, Fl. Or. Suppl. 201 (1888), classific. sp. europ.  
*Rhodophora* Necker, Elem. Bot. 2: 91 (1790).  
 LECTOTYPUS: *R. canina* L.

Subgen. I. **HULTHEMIA** (Dumort.) Focke in Nat. Pflanzenfam. III. 3: 47 (1888).

*Rosa* (sect.) *Eglanteriae* De Candolle in Seringe, Mus. Helv. Hist. Nat. 1: 3 [1818], p. p.

*Rosa* Ser. *Pallasiana* Trattinnick, Rosac. Monog. 213 (1823).

*Hulthemia* Dumortier, Not. Nouv. Genre Pl. 13 (1824).

*Rosa* [div.] *Rhodopsis* Bunge in Ledebour, Fl. Alt. 2: 224 (1828).

*Lowea* Lindley in Bot. Reg. 15: t. 1261 (1829).

*Rosa* div. *Simplicifolia* Lindley, Ros. Monog. 1 (1820).

*Rosa* groupe *Simplicifoliae* Thory, Prodr. Monog. Ros. 33 (1820).

*Hulthemosa* (*Hulthemia* × *Rosa*) Juzepchuk in Komarov, Fl. S. S. S. R. 10: 507, 638 (1941).

**R. persica** Michaux ex Jussieu, Gen. Pl. App. 452 (1789).—J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 855 (1791).—Willmott, Gen. Rosa 1: 1, t. (1910).

*Rosa simplicifolia* Salisbury, Prodr. Stirp. Chap. Allert. 359 (1796).

*Rosa berberifolia* Pallas in Nov. Act. Acad. Sci. Petrop. 10,1 (Hist.): 238 (1797); 10,2 (Math.-Phys.): 379, t. 10, fig. 5 (1797).—M. T. M[asters] in Gard. Chron. ser. 3, 6: 8, fig. 1, 2 (1889) "*berberidifolia*".

*Hulthemia berberifolia* Dumortier, Not. Nouv. Genre Pl. 13 (1824).—Juzepchuk in Komarov, Fl. S. S. S. R. 10: 506 (1941).

*Lowea berberifolia* Lindley in Bot. Reg. 15: t. 1261 (1829).

*Hulthemia Persica* Bornmüller in Bull. Herb. Boissier, sér. 2, 6: 607 (1906).—Juzepchuk in Komarov, Fl. S. S. S. R. 10: 507 (1941).

**R. Hardii** (*R. clinophylla* × *persica*) Paxton in Paxton's Mag. Bot. 10: 195, t. (1843).

Subgen. II. **EUROSA** Focke in Nat. Pflanzenfam. III. 3: 47 (1888).

Ser. 1. **PIMPINELLIFOLIAE** (Ser.), grad. nov.

*Rosa* (sect.) *Pimpinellifoliae* De Candolle ex Seringe, Mus. Helv. Hist. Nat. 1: 3 [1818].—Lindley, Ros. Monog. 36 (1820), p. p.—Crépin in Bull. Soc. Bot. Belg. 8: 235 (Prim. Monog. Ros. 14) (1869) "sect."

*Rosa* (sect.) *Eglanteriae* De Candolle ex Seringe, l. c. [1818].

*Rosa* div. *Rubiginosae* Lindley, Ros. Monog. 84 (1820), p. p.

*Rosa* groupe *Spinosissima* Thory, Prodr. Monog. Ros. 40 (1820), p. p.

*Rosa* groupe *Hispidae* Thory, op. cit. 47 (1820), p. p.

*Rosa* Ser. *Roessigiana* Trattinnick, Rosac. Monog. 2: 50 (1823).\*

*Rosa* Ser. *Woodiana* Trattinnick, op. cit. 117 (1823).

*Rosa* sect. *Cinnamomeae* Seringe in De Candolle, Prodr. 2: 602 (1825), p. p.

\* In *Series Roessigiana*, as in other subdivisions of *Rosa* proposed by Trattinnick, the word *Roessigiana* is not a noun, but an adjective belonging to the term *Series* and should be cited as *Ser. Roessigiana* and not as *ser. Roessigiana*. (For further discussion see foot-note under *Rubus*, p. 285.)

*Rosa* sect. *Eglanteriae* Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 82 (1861).

*Rosa* sect. *Luteae* Crépin in Bull. Soc. Bot. Belg. 11: 97 (Prim. Monog. Ros. 213) (1872); in Jour. Hort. Soc. Lond. 11: 225 (1889).

*Rosa* sect. *Sericeae* Crépin in op. cit. 226 (1889).

**R. spinosissima** Linnaeus, Sp. Pl. 491 (1753), p. p. typ.—Juzepchuk in Komarov, Fl. S. S. S. R. 10: 470, t. 27, fig. 2 (1941).

*Rosa pimpinellifolia* Linnaeus, Syst. Nat. ed. 10, 2: 1062 (1759); Sp. Pl. ed. 2, 703 (1762).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 309 (1902).—Boulenger in Bull. Jard. Bot. Bruxell. 13: 172 (1935).

*Rosa pulchella* Salisbury, Prodr. Stirp. Chap. Allert. 358 (1796).

?*Rosa microcarpa* Besser, Cat. Pl. Hort. Cremen. Suppl. 4: 20 (1815), non Retzius (1803).

?*Rosa Candolleana* Thory in Bibl. Univ. Genève, 10: 282, t. 2 (1819); *Rosa Candolleana*, l. c. (1819); in Mém. Soc. Linn. Paris, 2: 331 (1823); in Redouté, Roses, ed. 3, 1: groupe 7 [no. 2] t. (1835).

*Rosa pimpinellifolia* var. *typica* Christ, Ros. Schweiz, 63 (1873).

*Rosa illinoensis* Baker in Willmott, Gen. Rosa, 2: 243 [1911].

**R. spinosissima** var. *pimpinellifolia* (L.) Hooker f., Stud. Fl. Brit. Isl. 120 (1870).—Willmott, Gen. Rosa, 2: 249 [1911].

**R. spinosissima** var. *altaica* [Willd.] W. J. B[ean] in Gard. Chron. ser. 3, 17: 708 (1895).—Thory ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1557 (1902).

*Rosa altaica* Willdenow, Enum. Pl. Hort. Berol. 543 (1809).

*Rosa sibirica* Trattinnick, Rosac. Monog. 2: 230 (1823).

*Rosa pimpinellifolia* δ. *altaica* Thory, Prodr. Monog. Ros. 41 (1823).—Seringe in De Candolle, Prodr. 2: 608 (1825) "θ."—Voss, Vilmor. Blumengärt. 1: 251 [1894] "f."

*Rosa grandiflora* Lindley in Bot. Reg. 11: t. 888 (1825), non Salisbury (1796), nec Wallroth (1815).

*Rosa pimpinellifolia* var. *grandiflora* Ledebour, Fl. Ross. 2: 73 [1843].

**R. spinosissima** var. *myriacantha* (Lam. & DC.) Koehne, Deutsche (Dendr. 300 (1893) "γ."

*Rosa myriacantha* De Candolle in Lamarck & De Candolle, Fl. Franç. 4: 439 (1805).—Juzepchuk in Komarov, Fl. S. S. S. R. 10: 474 (1941).

*Rosa pimpinellifolia myriacantha* Seringe, Mém. Bot. 1: 47 (1818); in De Candolle, Prodr. 2: 608 (1825) "ε."

**R. spinosissima** var. *inermis* (DC.) Rehder in Bailey, Stand. Cycl. Hort. 5: 2995 (1916).

*Rosa pimpinellifolia* γ. *inermis* De Candolle in Lamarck & De Candolle, Fl. Franç. 4: 438 (1805).

*Rosa mitissima* Gmelin, Fl. Bad. 4: 358 (1826).

*Rosa spinosissima* η. *mitis* Wallroth, Rosae Pl. Gen. Hist. 117 (1828).

*Rosa spinosissima* δ. *mitissima* Koehne, Deutsche Dendr. 300 (1893).

**R. spinosissima** f. *Andrewsii* (Willmott), grad. nov.

*Rosa spinosissima nana* (*bicolor*) Andrews, Roses, 2: t. 123 [fig. 1] [1806].

*Rosa spinosissima* var. *Andrewsii* Willmott, Gen. Rosa, 1: 263, t. [1911].

**R. spinosissima** f. *nana* (Andrews), grad. nov.

*Rosa spinosissima nana* Andrews, Roses, 2: t. 122 [1806].

- R. spinosissima** var. **hispida** (Sims) Koehne, Deutsche Dendr. 300 (1893) "β."  
*Rosa hispida* Sims in Bot. Mag. 38: t. 1570 (1813), non Muenchhausen (1770), nec Borkhausen (1790), nec Krocker (1790).  
*Rosa lutescens* Pursh, Fl. Am. Sept. 2: 735 (1814).  
*Rosa hispida* β. *oblongifolia* Wallroth, Rosae Pl. Gen. Hist. 250 (1828).
- R. spinosissima** f. **luteola** (Andrews), grad. nov.  
*Rosa spinosissima luteola* Andrews, Roses, 2: t. 128 [1821].  
*Rosa ochroleuca* a. β. Swartz ex Westring in Patriotiska Sällsk. Jour. 1802: 97-106 (1802).—Thunberg, Mus. Nat. Acad. Upsal. App. 23: 26 (1816), nom.—Swartz ex Wikström in Svenska Vetensk.-akad. Handl. 1820: 268, t. 3, fig. 1 (Några Art. Rosa, 5) (1821).  
*Rosa spinosissima* var. *ochroleuca* (Swartz) Baker in Willmott, Gen. Rosa, 2: 255, t. [1911].
- R. spinosissima** var. **lutea** Bean, Trees Shrubs Brit. Isl. 2: 446 (1914).
- R. hibernica** [*R. canina* × *spinosissima*] Templeton in Trans. Roy. Dublin Soc. 3: 164, t. (1803).—Smith in Engl. Bot. 31: t. 2196 (1810); Engl. Fl. 2: 393 (1824).—Christ in Jour. Bot. 13: 100 (1875).—Willmott, Gen. Rosa, 2: 289, t. [1911].  
*Rosa Schultzei* Ripart in Arch. de Flore 254 [1853?].  
*Rosa canina* × *pimpinellifolia* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 351 (1902).
- R. reversa** [*R. pendulina* × *spinosissima*] Waldstein & Kitaibel, Pl. Rar. Hung. 3: 393 (1812).—Crépin in Bull. Soc. Bot. Belg. 33: 33 (1894).  
*Rosa rubella* Smith, Engl. Fl. 2: 374 (1824).—Baker, Monog. Brit. Ros. 203 (1871).  
*Rosa pendulina* × *pimpinellifolia* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 314 (1902).
- R. Malyi** [*R. pendulina* × *spinosissima*?] Kerner in Oester. Bot. Zeit. 19: 325 (1869).  
*Rosa pendulina* v.t.b.2. *Malyi* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 305 (1902).  
*Rosa cinnamomea Malyi* (Kern.) Skeels in U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Imp. 30: 81 (1913).
- R. involuta** [*R. spinosissima* × *tomentosa*] Smith, Fl. Brit. 3: 1398 (1804).—Crépin in Bull. Soc. Bot. Belg. 21,1: 114 (1882).  
*Rosa villosa* sensu Smith in Engl. Bot. 9: t. 583 (1799), exclud. syn. et fig. fruct.; non Linnaeus (1753).  
*Rosa Doniana* Woods in Trans. Linn. Soc. Lond. 12: 185 [1817].  
*Rosa gracilis* Woods in op. cit. 186 [1817], non Waitz (1811).  
*Rosa Sabini* Woods in op. cit. 188 [1817].  
*Rosa coronata* Crépin, Man. Fl. Belg. 52 (1860).  
*Rosa Braunii* J. B. v. Keller in Oester. Bot. Zeitschr. 32: 39 (1882).  
*Rosa tomentosa* × *pendulina* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 331 (1902).
- R. Kochiana** [*R. carolina* × *spinosissima*] Koehne, Deutsche Dendr. 293 (1893) "*R. humilis* × *spinosissima*?".  
*Rosa oxyacanthos* sensu K. Koch, Dendr. 1: 232 (1869), non Bieberstein (1819).  
*Rosa oxyacanthoides* hort. ex Koehne, Deutsche Dendr. 293 (1893), pro syn.
- Rosa humilis* × *pimpinellifolia* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 313 (1902).
- R. koreana** Komarov in Act. Hort. Petrop. 18: 434 (1901); 22: 535, t. 11 (1904).—Nakai, Fl. Sylv. Kor. 7: 41, t. 14 (1918).
- R. elasmacantha** Trautvetter in Ind. Sem. Hort. Petrop. Suppl. 1869. 1868: 25 (1870), exclud. var. *leptacantha*.—Regel in Act. Hort. Petrop. 5: 311 (1878).—Crépin in Bull. Soc. Bot. Belg. 18: 376 (Prim. Monog. Ros. 622. 1880) (1879).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 473 (1941).  
*Rosa pimpinellifolia* var. *elasmacantha* Crépin in op. cit. 377 (623) (1879).
- R. Hugonis** Hemsley in Bot. Mag. 131: t. 8004 (1905).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 330 (1915).  
*Rosa xanthina* sensu Crépin in Bull. Soc. Bot. Ital. 1897: 233 (1897), exclud. syn.; non Lindley (1820).
- R. cantabrigiensis** (*R. Hugonis* × *sericea*) [Hort.] ex S. Weaver in Gard. Chron. ser. 3, 118: 115, fig. 58 (1945), nom. subnud.
- R. xanthina** Lindley, Ros. Monog. 132 (1820).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 342 (1915).—Rehder in Jour. Arnold Arb. 5: 208 (1924).  
*Rosa pimpinellifolia* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 100 (Enum. Pl. Chin. Bor. 26. 1833) (1835), non Linnaeus (1759).  
*Rosa xanthinoides* Nakai in Bot. Mag. Tokyo, 32: 218 (1918); Fl. Sylv. Kor. 7: 33, t. 6 (1918).
- R. xanthina** f. **spontanea** Rehder in Jour. Arnold Arb. 5: 209 (1924).  
*Rosa xanthina* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 269, t. 15, fig. 2 (Pl. David. 1: 117. 1884) (1883), non Lindley (1820).  
*Rosa eglanteria* sensu Graebner in Bot. Jahrb. 34, Beibl. 75: 40 (1904), non Linnaeus (1753).  
*Rosa xanthina* f. *normalis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 342 (1915), p. p., quoad syn. Franchet.
- R. graciliflora** Rehder & Wilson in Sargent, Pl. Wilson. 2: 330 (1915).
- R. Primula** Boulenger in Bull. Jard. Bot. Bruxell. 14: 121 (1936).  
*Rosa Ecae* sensu Kanitz in Szechenyi, Keletázs. Utján. Tudom. Ered. 2: 810 (Pl. Enum. 22) (1891); in Szechenyi, Wiss. Ergebn. Reise Ostas. 2: 698 (1898).—Rehder in Jour. Arnold Arb. 5: 210 (1924).—McFarland in New Fl. & Silva, 8: 242, fig. 83 (1936).—Non Aitchison (1880).  
*Rosa xanthina* f. *normalis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 342 (1915), quoad pl. cit.  
*Rosa Sweginzowii* sensu F. N. Meyer in U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Imp. 43: 68, no. 40699 (1918), non Koehne (1910).
- R. Ecae** Aitchison in Jour. Linn. Soc. Lond. Bot. 18: 54 (1881); 19: 161, t. 8 (1882).—Oliver in Hooker's Icon. Pl. 14: 21, t. 1329 (1881).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 475 (1941).  
*Rosa xanthina* sensu Hooker f. in Bot. Mag. 125: t. 7666 (1899), non Lindley (1820).  
*Rosa xanthina* var. *Ecae* Boulenger in Bull. Jard. Bot. Bruxell. 13: 181 (1935).
- R. turkestanica** Regel in Act. Hort. Petrop. 5: 349 (1877).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 477 (1941).

**Rosa turkestanica** (continued)

- Rosa platyacantha* var. *kokanica* Regel in op. cit. 313 (1877), p. p.
- R. foetida** Herrmann, Diss. Bot.-Med. Rosa, 18 (1762).—Boulenger in Bull. Jard. Bot. Bruxell. 13: 189 (1935). *Rosa Eglanteria* Linnaeus, Amoen. Acad. 5: 220 (1760), non Linnaeus (1753). *Rosa lutea* Miller, Gard. Dict. ed. 8, R. no. 4 (1768).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 312 (1902). *Rosa chlorophylla* Ehrhart, Beitr. Naturk. 2: 138 (1788). *Rosa Eglanteria a. lutea* Thory ex Seringe in De Candolle, Prodr. 2: 607 (1825).
- R. foetida** var. *bicolor* (Jacq.) Willmott, Gen. Rosa, 2: 269, t. [1911]. *Rosa punicea* Miller, Gard. Dict. ed. 8, R. no. 12 (1768). *Rosa bicolor* Jacquin, Hort. Bot. Vindob. 1: t. 1 (1770). *Rosa lutea* β. *bicolor* Sims in Bot. Mag. 27: t. 1077 (1808). *Rosa Eglanteria punicea* Thory in Redouté, Roses, 1: 71, t. (1817).—Seringe in De Candolle, Prodr. 2: 607 (1925) "β." *Rosa lutea* β. *punicea* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 312 (1902).—Schneider, Ill. Handb. Laubh. 1: 584 (1905) "var." *Rosa aurantiaca* C. de Vos, Handb. Boom. Heest. ed. 2, 171 (1887).
- R. foetida** var. *persiana* (Lem.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 222 [1916]. *Rosa lutea* var. *persiana* (plena) Lemaire in Fl. des Serr. 4: t. 374 (1848). *Rosa Persica lutea* Jäger, Ziergh. 468 (1865), pro syn. *Rosa hemisphaerica* var. *plena* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1557 (1902), p. p.
- R. Harisonii** [*R. foetida* × *spinosissima*] Rivers, Rose Amat. Guide, 39 (1837); ed. 2, 69 (1840) "*Harrisonii*", nom. subnud.—Buist, Rose Man. ed. 4, 37 (1854) "*Harrisonii*", nom. subnud.—Cf. R. Wright in Am. Rose Ann. 1943: 3–11 (1943). *Rosa lutea* var. *δ Hoggii* D. Don in Sweet, Brit. Fl. Gard. ser. 2, 4: t. 410 (1838).—Anon. in Hort. Belg. 5: 87, t. 99 (1838). *Rosa lutea* × *pimpinellifolia* Crépín in Bull. Soc. Bot. Belg. 33: 125 (1894).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 313 (1902). *Rosa hemisphaerica* var. *Harisoni* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1557 (1902). *Rosa foetida* var. *Harisonii* Hort. ex Rehder in Bailey, Cycl. Am. Hort. 5: 2995 (1916). *Rosa lutea Harisonii* C. B. in Gard. Chron. ser. 3, 83: 247 (1928).
- R. Harisonii** var. *Vorbergii* (*R. foetida* × *spinosissima*) Rehder in Jour. Arnold Arb. 27: 317 (1946). *Rosa pimpinellifolia* × *lutea* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 313 (1902). *Rosa Vorbergii* Graebner ex Späth, [Kat.] no. 167: 71 (1915) an prius?; nom. subnud.; Späth-Buch, 110 [1921], nom. subnud.—Mütze in Gartenschönh. 4: 102, fig. (1923) "*Vorbergii*"; nom. subnud.—Rehder in Man. Cult. Trees Shrubs, ed. 2, 432 (1940), pro syn.
- R. Penzanceana** (*R. Eglanteria* × *foetida*) Rehder in Jour. Arnold Arb. 3: 19 (1921). *Rosa rubiginosa* × *lutea punicea* Crépín in Jour. des Ros. 1891: 123 (1891).
- Rosa lutea* × *rubiginosa* Crépín in Bull. Soc. Bot. Belg. 33: 124 (1894). *Rosa rubiginosa* × *lutea* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 348 (1902). *Rosa Eglanteria* × *punicea* Willmott, Gen. Rosa, 2: 455 [1912].
- R. hemisphaerica** Herrmann, Diss. Bot.-Med. Rosa, 18 (1762).—Boulenger in Bull. Jard. Bot. Bruxell. 13: 186 (1935).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 481 (1941) "*haemisphaerica*". *Rosa lutea* var. *multiplax* C. F. Ludwig, Neu. Wilde Baumz. 43 (1783), nom. *Rosa glaucophylla* Ehrhart, Beitr. Naturk. 2: 69 (1788). *Rosa sulphurea* Aiton, Hort. Kew. 2: 201 (1789).—Lindley in Bot. Reg. 1: t. 46 (1815).—Crépín in Bull. Soc. Bot. Belg. 11: 98 (1872); 29: 2 (1890). *Rosa Rapini* Boissier, Diagn. Pl. Nov. sér. 2, 6: 72 (1859); Fl. Or. 2: 672 (1872), est forma spont. fl. simpl. *Rosa lutea a. sulphurea* Regel in Act. Hort. Petrop. 5: 316 (Tent. Ros. Monog. 32) (1878). *Rosa hemisphaerica* var. *plena* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1557 (1902), p. p.
- R. omeiensis** Rolfe in Bot. Mag. 138: t. 8471 (1912).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 331 (1915).—Byhouwer in Jour. Arnold Arb. 10: 102 (1929). *Rosa sericea* sensu Crépín in Bull. Soc. Bot. Belg. 14: 151 (1875), p. p.—Diels in Notes Bot. Gard. Edinb. 7: 238 (1912).—Non Lindley (1820). *Rosa sericea* f. *glabrescens*, f. *intermedia*, et f. *denudata* Franchet, Pl. Delavay. 220 [1890]. *Rosa sericea* f. *inermis eglandulosa* et f. *aculeata eglandulosa* Focke in Notes Bot. Gard. Edinb. 5: 69, 70 (1911). *Rosa Sorbus* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 338 (1914). *Rosa sericea* f. *aculeata*, f. *eglandulosa* et f. *inermis* Focke ex Léveillé, Cat. Pl. Yun-Nan, 235 (1917). *Rosa omeiensis polyphylla* Geier in Gartenschönh. 15: 222, fig. (1934).
- R. omeiensis** f. *chrysocarpa* Rehder in Jour. Arnold Arb. 3: 210 (1922).
- R. omeiensis** f. *pteracantha* (Franch.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 332 (1915).—Rehder, Man. Cult. Trees Shrubs, 450 (1927) "var." *Rosa sericea* sensu Crépín in Bull. Soc. Bot. Belg. 25,2: 9 (1886) quoad specim. no. 861.—Vilmorin in Jour. Hort. Soc. Lond. 27: 490, fig. 140 (1902).—Non Lindley (1820). *Rosa sericea* f. *pteracantha* Franchet, Pl. Delavay. 220 [1890].—Bean in Garden, 69: 294, t. (1906) "var."
- R. sericea** Lindley, Ros. Monog. 105, t. 12 (1820), flor. per error. pentapetalis.—Willmott, Gen. Rosa, 1: 163, t. [1911]. *Rosa Wallichii* Trattinnick, Rosac. Monog. 2: 293 (1823). *Rosa tetrapetala* Royle, Ill. Bot. Himal. 208, t. 42 [1835].
- Ser. GALLICANAE (Ser.), grad. nov.
- Rosa* (sect.) *Gallicanae* De Candolle ex Seringe, Mus. Hist. Nat. Helv. 1: 2 [1818].—Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 67 (1861) "sect." *Rosa* div. *Centifoliae* De Candolle ex Seringe, l. c. [1818].—Lindley, Ros. Monog. 60 (1820). *Rosa* groupe *Gallicae* Thory, Prodr. Monog. Ros. 86 (1820).—Crépín in Jour. Hort. Soc. Lond. 11: 221 (1889) "sect." *Rosa Ser. Jacquiniana* Trattinnick, Rosac. Monog. 1: 3 (1823).

- Rosa* Ser. *Lawranciana* Trattinnick, op. cit. 65 (1823).  
*Rosa* sect. *Cinnamomeae* Seringe, Mus. Hist. Nat. Helv. 1: 1 [1818]; in De Candolle, Prodr. 2: 602 (1825), p. p.  
*Rosa* F. *Nobiles* Kirschleger, Prodr. Fl. Alsace, 54 (1836), nom. subnud. — Koch, Hort. Dendr. 124 (1853).  
*Rosa* groupe *Hortenses* K. Koch, Dendr. 1: 250 (1869).
- R. gallica** Linnaeus, Sp. Pl. 492 (1753). — R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 47 (1900). — Boulenger in Bull. Jard. Bot. Bruxell. 12: 197 (1932).  
*Rosa austriaca* Crantz, Stirp. Austr. 1: 86 (1768).  
*Rosa rubra* Lamarck, Fl. Franç. 3: 130 (1778).  
*Rosa sylvatica* Gaterau, Descr. Pl. Montaub. 94 (1789). — ? Tausch in Flora, 2: 464 (1819).  
*Rosa grandiflora* Salisbury, Prodr. Stirp. Chap. Allert. 358 (1797).
- R. gallica** var. *pumila* (Jacq.) Seringe in De Candolle, Prodr. 2: 603 (1825) "a." — Regel in Act. Hort. Petrop. 5: 351 (Tent. Ros. Monog. 67) (1878) "a."  
*Rosa pumila* Jacquin, Fl. Austr. 2: 59, t. 198 (1773).  
*Rosa humilis* Tausch in Flora, 2: 465 (1819), non Marshall (1785).  
*Rosa gallica pumila* Seringe, Mém. Bot. 1: 37 (1818).  
*Rosa austriaca* a. *pygmaea* Wallroth, Rosae Pl. Gen. Hist. 259 (1828). — Boissier, Fl. Or. 2: 676 (1872) "β."
- R. gallica** var. *officinalis* Seringe in De Candolle, Prodr. 2: 603 (1825) "δ."  
*Rosa provincialis* Miller, Gard. Dict. ed. 8, R. no. 18 (1768). — Aiton, Hort. Kew. 2: 204 (1789).  
*Rosa gallica officinalis* Thory in Redouté, Roses, 1: 75, t. [1819].  
*Rosa officinalis* Kirschleger, Fl. Alsace, 1: 243 (1852).  
*Rosa gallica* γ. *plena* Regel in Act. Hort. Petrop. 5: 352 (Tent. Ros. Monog. 68) (1878), p. p.  
*Rosa Gallica* f. *R. officinalis* Rouy, Fl. France, 6: 252 (1900).  
*Rosa centifolia* var. *provincialis* Bean, Trees Shrubs Brit. Isl. 2: 423 (1914).
- R. gallica** var. *conditorum* Dieck, Neuheit.-Off. Zöschchen, 1889: 16 (1889), nom. subnud. — Páter in Termeszt. Közl. 50: 583, fig. (1918).
- R. gallica** var. *Agatha* (Thory) Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 7: 43 [1819]. — Seringe in De Candolle, Prodr. 2: 604 (1825) "θ."  
*Rosa gallica* Agatha Thory in Redouté, Roses, 1: 76 (1818); ed. 8°, Livr. 37, sig. c [1826].
- R. gallica** f. *versicolor* (L.), grad. nov.  
*Rosa gallica* β. *versicolor* Linnaeus, Sp. Pl. ed. 2, 1: 704 (1762).  
*Rosa gallica* var. *Rosa Mundi* Weston, Bot. Univ. 1: 249 (1770).
- R. Waitziana** (*R. canina* × *gallica*) Trattinnick, Rosac. Monog. 1: 57 (1825). — J. B. von Keller in Halácsy & Braun, Nachtr. Fl. Nied.-Oester. 264 (1882).  
*Rosa Waitziana* a. *typica* Braun in Beck, Fl. Nied.-Öster. 792 (1892).  
*Rosa gallica* × *canina* A. i. **b. Waitziana** R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 275 (1902).
- R. Waitziana** var. *macrantha* (Desp.) Rehder in Jour. Arnold Arb. 3: 14 (1921).  
*Rosa macrantha* Desportes, Fl. Sarthe, 77 (1838). — Rouy & Camus, Fl. France, 6: 270 (1900). — Willmott, Gen. Rosa, 2: 403, t. [1912].
- Rosa gallica* var. *macrantha* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1552 (1902).  
*Rosa gallica* × *canina* A. ii. *macrantha* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 275 (1902).
- R. Marcyana** (*R. gallica* × *tomentosa*) Boullu in Déséglise in Bull. Soc. Bot. Belg. 15: 556 (1876).  
? *Rosa terebinthinacea* Besser, Enum. Pl. Volhyn. Podol. 21 [1820], 61, 66 [1821] (1822).  
*Rosa gallica* × *tomentosa* A. i. *Marcyana* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 262 (1902).
- R. francofurtana** [*R. cinnamomea* × *gallica*] Muenchhausen, Hausvater, 5: 288 (1770). — Borkhausen, Vers. Forstbot. Beschr. Holzart. 312 (1790). — Willmott, Gen. Rosa, 1: 153 [1911].  
*Rosa germanica* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 27 [1782], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 45 (1783), nom. subnud.  
*Rosa campanulata* [Ehrhart], Verz. Bäume Sträucher Herrenh. 24 (1787), nom.; Beitr. Naturk. 6: 97 (1791).  
*Rosa turbinata* Aiton, Hort. Kew. 2: 206 (1789). — R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 52 (1901).  
*Rosa Francofurtensis* Roessig, Oekon.-bot. Beschr. Ros. 193 (1799); Rosen, no. 11, t. (1802) "*Frankfurtensis*".  
*Rosa inermis* Redouté, Roses, 2: 93 (1821).
- R. centifolia** Linnaeus, Sp. Pl. 491 (1753). — R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 51 (1901).  
*Rosa centifolia* a. *vulgaris* Seringe in De Candolle, Prodr. 2: 619 (1825).  
*Rosa gallica* β. *centifolia* Regel in Act. Hort. Petrop. 5: 254 (Tent. Ros. Monog. 70. 1877) (1878). — Koehne, Deutsche Dendr. 282 (1893).
- R. centifolia** f. *muscosa* (Ait.) Schneider, Ill. Handb. Laubh. 1: 547 (1905).  
*Rosa muscosa* Aiton, Hort. Kew. 2: 207 (1789).  
*Rosa centifolia muscosa* Seringe, Mus. Helv. Hist. Nat. 1: 18 (1818); in De Candolle, Prodr. 2: 618 (1825) "ε." — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 51 (1901) "monstr."
- R. centifolia** f. *albo-muscosa* (Willmott), grad. nov.  
*Rosa provincialis* β. *muscosa* fl. pl. *albo* [Lindley] in Bot. Reg. 2: t. 102 (1816).  
*Rosa muscosa* var. *alba* Thory in Redouté, Roses, 1: 87, t. [1818].  
*Rosa muscosa provincialis alba* Andrews, Roses, t. 63 (1823).  
*Rosa centifolia albo-muscosa* Willmott, Gen. Rosa, 2: 349, t. [1912].
- R. centifolia** f. *cristata* (Prevost), grad. nov.  
*Rosa centifolia cristata* Prevost fils, Cat. Ros. 53 (1829). — Jacques in Ann. Fl. Pomone, 1832-3: 372, t. (1833) "var."  
*Rosa centifolia muscosa cristata* Hooker in Bot. Mag. 63: t. 3475 (1836).
- R. centifolia** f. *Andrewsii* Rehder in Jour. Arnold Arb. 26: 474 (1945).  
*Rosa muscosa simplex* Andrews, Roses, 1: t. [58] [1810]. — Seringe, Mus. Helv. Hist. Nat. 1: 18 [1818].  
*Rosa muscosa* (*Muscosa simplex*) Redouté, Roses 1: 39, t. (1817).

**Rosa** (continued)

- R. centifolia** var. **pomponia** Lindley, Ros. Monog. 64 (1820) "γ." — Seringe in De Candolle, Prodr. 2: 620 (1825) "π."  
*Rosa dijonensis* Roessig, Oekon.-bot. Beschr. Ros. 1: 93 (1799).  
*Rosa Pomponia* Roessig, op. cit. 2: 53 (1803). — De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3 4: 443 (1805). — Willmott, Gen. Rosa, 2: 353, t. [1912].  
 ?*Rosa pulchella* Willdenow, Enum. Pl. Hort. Berol. 545 (1809), non Salisbury (1797).
- R. centifolia** var. **parvifolia** (Ehrh.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 222 [1916].  
*Rosa burgundensis* Weston, Bot. Univ. 1: 248 (1770).  
*Rosa burgundica* [Ehrhart], Verz. Bäume Sträucher Herrenh. 24 (1787), nom.; Beitr. Naturk. 6: 97 (1791), pro syn. — Roessig, Rosen, 4, t. [1802].  
*Rosa parvifolia* Ehrhart, Beitr. Naturk. 6: 97 (1791). — Lindley, Ros. Monog. 70 (1820). — Willmott, Gen. Rosa, 2: 355, t. [1912]. — Non Pallas (1788).  
*Rosa burgundica minor* Roessig, Oekon.-bot. Beschr. Ros. 1: 95 (1799), non *R. centifolia minor* Dumont de Courset (1811).  
*Rosa Remensis* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 443 (1805).  
 ?*Rosa gracilis* Waitz in Allg. Teutsch. Gart.-Mag. 8: 5 (1811).  
*Rosa Ehrhartiana* Trattinnick, Rosac. Monog. 1: 68 (1823).  
*Rosa pomponia* Thory in Redouté, Roses, 3: 107 (1824), non Roessig (1803).  
*Rosa gallica* κ. *parvifolia* Seringe in De Candolle, Prodr. 2: 604 (1825).  
*Rosa gallica* γ. *remensis* Wallroth, Rosae Pl. Gen. Hist. 274 (1828).
- R. Richardii** Rehder in Jour. Arnold Arb. 3: 14 (1922). — Täckholm in Svensk Bot. Tidskr. 26: 356, fig. 3 (1932).  
*Rosa sancta* Richard, Fl. Abyss. 1: 262 (1847). — Willmott, Gen. Rosa, 2: 338, t. [1912]. — Non Andrews (1828).  
*Rosa centifolia* (f.) *sancta* Zabel in Beissner et al., Handb. Laubh.-Ben. 216 (1903).
- R. damascena** Miller, Gard. Dict. ed. 8, R. no. 15 (1768). — Willmott, Gen. Rosa, 2: 369, t. [1912].  
*Rosa Belgica* Miller, Gard. Dict., ed. 8, R. no. 17 (1768).  
*Rosa calendarum* Borkhausen, Vers. Forstbot. Beschr. Holzart. 338 (1790).  
*Rosa multiflora* [vel *R. Polyanthos*] Rösig, Oekon.-bot. Beschr. Ros. 1: 69 (1799), nom. altern.; non *R. multiflora* Thunb. (1784).  
*Rosa polyanthos* Rösig, Rosen, no. 35, t. (1802).  
*Rosa centifolia* ζ. *R. bifera* Poirét, Encycl. Méth. Bot. 6: 276 (1804).  
*Rosa bifera* Persoon, Syn. Pl. 2: 48 [1806].  
*Rosa gallica* var. *damascena* Voss, Vilmor. Blumengärt. 1: 254 (1894).
- R. damascena** f. **versicolor** (West.), grad. nov.  
*Rosa damascena* 5. *versicolor* Weston, Bot. Univ. 1: 249 (1770).  
*Rosa provincialis* var. *basilica* C. F. Ludwig, Neu. Wilde Baumz. 43 (1783), nom. subnud.  
*Rosa damascena variegata* Thory in Redouté, Roses, 1: 137, t. (1817). — Seringe in De Candolle, Prodr. 2: 621 (1825) "ε." — R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 52 (1900) "monstr."
- R. damascena** f. **trigintipetala** (Dieck) R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 52 (1900).  
*Rosa gallica* var. *damascena* f. *trigintipetala* Dieck in Gartenfl. 38: 129, fig. 25, 29(p. 160) (1889).
- R. alba** [? *R. corymbifera* × *gallica*] Linnaeus, Sp. Pl. 492 (1753). — Crépin in Bull. Soc. Bot. Belg. 18: 356 (Prim. Monog. Ros. 602) (1879).  
*Rosa usitatissima* Gaterau, Descr. Pl. Montaub. 94 (1789).  
*Rosa procera* Salisbury, Prodr. Stirp. Chap. Allert. 359 (1796).  
*Rosa alba* a. *vulgaris* Seringe in De Candolle, Prodr. 2: 622 (1825).  
*Rosa Gallica* × *dumetorum* A. n. *alba* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 284 (1902). — Schneider, Ill. Handb. Laubh. 1: 549 (1905).
- R. alba** f. **suaveolens** Dieck in Gartenfl. 38: 128, fig. 24, 30 (1889). — Rehder, Man. Cult. Trees Shrubs, 437 (1927) "var."
- R. alba** var. **incarnata** [Mill.] Weston, Bot. Univ. 1: 247 (1770). — Persoon, Syn. Pl. 2: 49 [1806] "β."  
*Rosa incarnata* Miller, Gard. Dict. ed. 8, R. no. 19 (1768). — Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 72 (1861); in Bull. Soc. Bot. Belg. 15: 244 (1876).  
*Rosa alba incarnata* Roessig, Oekon.-bot. Beschr. Ros. 73 (1799).  
*Rosa carnea* Dumont de Courset, Bot. 3: 348 (1802).  
*Rosa alba rubicunda plena* Roessig, Rosen, t. 23 [1802 ?].  
*Rosa rubicans* Roessig, op. cit. t. 48 [1804?].  
 ?*Rosa amoena* Waitz in Allg. Teutsch. Gart.-Mag. 8: 5 (1811, Jan.), non Dumont de Courset (1811).  
*Rosa alba* var. *rubicunda* Willmott, Gen. Rosa, 2: 413, t. [1912].
- R. collina** Jacquin, Fl. Austr. 2: 58, t. 197 (1774). — J. B. von Keller in Halácsy & Braun, Nachtr. Fl. Nied.-Oester. 260 (1882).  
*Rosa gallica* × *dumetorum* A. I. a. *collina* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 280 (1902).
- Ser. 3. CANINAE (Ser.), grad. nov.  
*Rosa* (sect.) *Caninae* De Candolle ex Seringe, Mus. Helv. Hist. Nat. 1: 3 (1818). — Lindley, Ros. Monog. 97 (1820) "div." — Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 101 (1861) "sect." — Crépin in Bull. Soc. Bot. Belg. 8: 347 (Prim. Monog. Ros. 126) (1869) "sect."  
*Rosa* (sect.) *Rubigineae* De Candolle ex Seringe, op. cit. 1: 2 [1818].  
*Rosa* (sect.) *Villosae* De Candolle ex Seringe, Mus. Helv. Hist. Nat. 1: 3 [1818]. — Lindley, Ros. Monog. 72 (1820) "div." — Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 132 (1861) "sect."  
*Rosa* div. *Rubiginosae* Lindley, op. cit. 84 (1820), p. p. — Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 160 (1861) "sect."  
*Rosa* groupe *Cynorrhodonenses* Thory, Prodr. Monog. Ros. 104 (1820).  
*Rosa* Ser. *Biebersteiniana* Trattinnick, Rosac. Monog. 1: 107 (1823).  
*Rosa* Ser. *Rauiana* Trattinnick, op. cit. 2: 1 (1823).  
*Rosa* Ser. *Candolleana* Trattinnick, op. cit. 2: 54 (1823).  
*Rosa* Ser. *Neesiana* Trattinnick, op. cit. 2: 90 (1823).  
*Rosa* Ser. *Desvauxiana* Trattinnick, op. cit. 2: 107 (1823), p. p.  
*Rosa* sect. *Stylosae* Crépin in Jour. Hort. Soc. Lond. 11: 219 (1889); in Jour. des Ros. 1891: 42 (1891).

- R. pomifera** Herrmann, Diss. Bot.-med. de Rosa, 16 (1762).—Crépin in Bull. Soc. Bot. Belg. **31**, 2: 76 (1892).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 66 (1900).  
*?Rosa hispida* hort. Paris ex Poiret, Encycl. Méth. Bot. **6**: 286 (1804).  
*Rosa villosa* Linnaeus, Sp. Pl. 704 (1753), p. p.—Lindley, Monog. Ros. 74 (1820).—Schneider, Ill. Handb. Laubh. **1**: 553, fig. 321o-q<sup>1</sup>, 322h (1905).  
*Rosa villosa* var. *vulgaris* Rau, Enum. Ros. Wirceb. 151 (1816).  
*Rosa villosa* γ. *pomifera* Desvaux in Jour. de Bot. (Desvaux) **2**: 117 (1813).—Seringe in De Candolle, Prodr. **2**: 618 (1825) "β."  
*Rosa pomifera* subsp. *eupomifera* Schwertschlager in Ber. Bayr. Bot. Ges. **18**: 2 (1926).
- R. pomifera** f. *duplex* (West.) Rehder in Jour. Arnold Arb. **21**: 277 (1940).  
*Rosa villosa* 3. *duplex* Weston, Bot. Univ. **1**: 252 (1770).  
*Rosa villosa* β. Lawrance, Coll. Roses, t. 29 (1899).  
*Rosa pomifera* γ. fl. *multipl.* Thory, Prodr. Monog. Ros. 65 (1820).  
*Rosa pomifera* var. Willmott, Gen. Rosa, **2**: 436, 2 t. [1912].
- R. mollis** Smith in Sowerby, Engl. Bot. **35**: t. 2459 (1812).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 72 (1900).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 489 (1941).  
*Rosa villosa* Linnaeus, Sp. Pl. 704 (1753), p. p.  
*Rosa villosa* var. *mollissima* Rau, Enum. Ros. Wirceb. 154 (1816).  
*Rosa ciliato-petala* Besser, Enum. Pl. Volhyn. Podol. 66 (1822).  
*Rosa tomentosa* var. *mollissima* Dumortier, Prodr. Fl. Belg. 95 (1827).  
*Rosa mollissima* Fries, Novit. Fl. Suec. ed. 2, 51 (1828).  
*Rosa mollis* A. I. a. *typica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 73 (1900).
- R. Sherardi** Davies, Welsh Botanol. 49 (1813).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 257 (1925), cum syn. multis.  
*Rosa subglobosa* Smith, Engl. Fl. ed. 2, **2**: 384 (1828).  
*Rosa omissa* Déséglise in Billotia, **1**: 47 (1864).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 75 (1900).  
*Rosa omissa* A. I. *typica* R. Keller in op. cit. 76 (1900).
- R. hawrana** Kmet in Kerner, Schedae Fl. Exsicc. Austr.-Hung. **2**: 38 (1882).  
*Rosa tomentosa* × *pendulina* β. *vestita* I. *Hawrana* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 338 (1902).
- R. orientalis** Dupont ex Seringe in De Candolle, Prodr. **2**: 607 (1825).—Boissier, Fl. Or. **2**: 680 (1872).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 63 (1900).
- R. Heckeliana** Trattinnick, Rosac. Monog. **2**: 85 (1823).—Nyman, Consp. Fl. Eur. 233 (1878) "*Hackeliana*".—Burnat & Gremli, Genre Rosa Rev. Orient. 71 (1887).
- R. elymaitica** Boissier & Hausknecht ex Boissier, Fl. Or. **2**: 675 (1872).—Boulenger in Bull. Jard. Bot. Bruxell. **14**: 170 (1836).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 491 (1941).  
*Rosa elymaitica* var. *tomentella* Boissier, Fl. Or. **2**: 675 (1872).
- Rosa albicans* Godet ex Boissier, l. c. (1872).  
*Rosa albicans* var. *flexicaulis* Boissier, l. c. (1872).  
*Rosa flexicaulis* Godet in litt. ex Boissier, l. c. (1872), pro syn.
- R. tomentosa** Smith, Fl. Brit. **2**: 539 (1800).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 81 (1901).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 300 (1925), cum syn. multis. —Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 488 (1941).  
*?Rosa hispida* Muenchhausen, Hausvater, **5**: 281 (1770).—Borkhausen, Vers. Forstbot. Besch. Holzart. 322 (1790).  
*Rosa cuspidata* Bieberstein, Fl. Taur.-Cauc. **1**: 396 (1808); **3**: 339 (1819).  
*Rosa dimorpha* Besser, Cat. Hort. Cremen. Suppl. **4**: 19 (1815) ex Cat. Pl. Hort. Cremen. 117 (1816); Enum. Pl. Podol. Volhyn. 19 (1820).  
*Rosa Ruprechtii* var. β. *daghestanica* Boissier, Fl. Or. **2**: 682 (1872).  
*Rosa tomentosa* var. *typica* Christ, Ros. Schweiz, 95 (1873).
- R. tomentosa** var. *subglobosa* (Smith) Carion, Cat. Pl. Saône-et-Loire, 53 (1859).—Baker in Jour. Linn. Soc. Lond. Bot. **11**: 217 (1871).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 84 (1901).  
*Rosa subglobosa* Smith, Engl. Fl. **2**: 384 (1824).
- R. Eglanteria** Linnaeus, Sp. Pl. 491 (1753), non Linnaeus (1760).—Willmott, Gen. Rosa, **2**: 499, t. [1912].—Keller & Gams in Hegi, Ill. Fl. Mittel-Eur. **4**, 3: 1018, fig. [1923].—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 492, t. 30, fig. 2 (1941).  
*Rosa rubiginosa* Linnaeus, Mant. Pl. **2**(App.): 504 (1771).—Seringe in De Candolle, Prodr. **2**: 616 (1825).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 92 (1901).—Schneider, Ill. Handb. Laubh. **1**: 556, fig. 322m, 323a (1905).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 66 (1924), cum syn. multis.  
*Rosa suavisfolia* Lightfoot, Fl. Scot. **1**: 262 (1777).  
*Rosa rubiginosa* α. *vulgaris* Willdenow, Enum. Pl. Hort. Berol. 546 (1809).  
*Rosa Walpoleana* Greene, Leaf. Bot. Obs. **2**: 264 (1912).
- R. Eglanteria** f. *duplex* (West.), grad. nov.  
*Rosa eglanteria* 2. *duplex* et 3. *plena* Weston, Bot. Univ. **1**: 249 (1770).  
*Rosa Eglanteria* var. *flore pleno* et var. *multipl.* Andrews, Roses, **2**: t. [111, 114] [1806].  
*Rosa rubiginosa* η. fl. *multipl.* Thory, Prodr. Monog. Rosier, 111 (1820).
- R. inodora** Fries, Novit. Fl. Suec. **1**: 9 (1814).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 109 (1924), cum syn. multis.  
*Rosa caryophyllacea* Besser, Cat. Pl. Hort. Cremen. Suppl. **4**: 18 (1815); Enum. Pl. Podol. Volhyn. 19 (1820), 61–68 (1821).  
*Rosa Klukii* Besser, Cat. Hort. Crem. 118 (1816), nom.  
*Rosa elliptica* Tausch in Flora, **2**: 465 (1819).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 1: 107 (1901).  
*Rosa graveolens* Grenier in Grenier & Godron, Fl. France, **1**: 560 (1847), p. p.—Crépin in Bull. Soc. Bot. Belg. **31**, 2: 82 (1892).  
*Rosa elliptica* A. I. a. **1**. c. *Klukii* R. Keller in op. cit. 110 (1901).  
*Rosa agrestis* A. I. a. **2**. b. *inodora* R. Keller in op. cit. 125 (1901).



**Rosa** (*continued*)

- R. sicula** Trattinnick, Rosac. Monog. **2**: 86 (1823).—Schneider, Ill. Handb. Laubh. **1**: 557, fig. 322n, 323b-d (1905).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 55 (1924), cum syn. multis.  
*Rosa Seraphini* sensu Gussone, Fl. Sicul. Syn. **1**: 564 (1842).—Hooker f. in Bot. Mag. **127**: t. 7761 (1901).—Non Viviani (1824).  
*Rosa Serafini* Christ in Flora, **60**: 448 (1877), non Viviani (1824).
- R. glutinosa** Sibthorp & Smith, Fl. Graec. Prodr. **1**: 348 (1806); Fl. Graeca, **5**: t. 482 (1825).—Boulenger in Bull. Jard. Bot. Bruxell. **13**: 215 (1935).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 499, t. 30, fig. 5 (1941).  
*Rosa rubiginosa*  $\kappa$ . *cretica* Seringe in De Candolle, Prodr. **2**: 616 (1825).  
*Rosa pulverulenta* Bieberstein, Fl. Taur.-Cauc. **1**: 399 (1808).—Tenore, Fl. Napol. **4**: 287 (1820); Syll. Pl. Fl. Neapol. 537 (1831).—Crépin in Bull. Soc. Bot. Belg. **18,1**: 384 (Prim. Monog. Ros. 630. 1880) (1879).  
*Rosa pustulosa* Bertoloni, Fl. Ital. **5**: 195 (1842).  
*Rosa libanotica* Boissier, Diagn. Pl. Or. sér. 1, **10**: 4 (1849).  
*Rosa ferox* sensu Regel in Act. Hort. Petrop. **5**: 347 (Tent. Ros. Monog. 63. 1877) (1878), p. p.; non Bieberstein (1808).  
*Rosa calabrica* a. Burnat & Gremli, Ros. Alp. Marit. **79** (1879).
- R. glutinosa** var. *dalmatica* (Kern.) Schneider, Ill. Handb. Laubh. **1**: 557 (1905).  
*Rosa dalmatica* Kerner in Oester. Bot. Zeitschr. **20**: 10 (1870).  
*Rosa glutinosa* a. *Dalmatica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 106 (1901).—Rolfé in Bot. Mag. **145**: t. 8826 (1919).
- R. tuschetica** Boissier, Fl. Or. **2**: 673 (1872).—Boulenger in Bull. Jard. Bot. Bruxell. **23**: 218 (1935) "*R. glutinosa*  $\times$  *spinosissima*."  
*Rosa pimpinellifolia*  $\delta$ . *Tuschetica* Christ in Boissier, Fl. Or. Suppl. 207 (1888).
- R. micrantha** Smith in Sowerby, Engl. Bot. **35**: t. 2490 (1812).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 114 (1901).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 160 (1924), cum syn. multis. —Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 497 (1941).  
*Rosa nemorosa* Libert ex Le Jeune, Fl. Envir. Spa, **2**: 311 (1813).  
*Rosa floribunda* Steven ex Besser, Cat. Hort. Cremens. Suppl. **4**: 19 (1815).—Bieberstein, Fl. Taur.-Cauc. **3**: 343 (1819).  
*Rosa rubiginosa nemoralis* Thory in Redouté, Roses, **2**: 23, t. [1819]; Prodr. Genre Rosier, 110 (1820) "e."  
*Rosa rubiginosa*  $\beta$ . *micrantha* Lindley, Ros. Monog. **87** (1820).  
*Rosa rubiginosa*  $\gamma$ . *nemorosa* Dumortier, Florula Belg. **93** (1827).  
*Rosa rubiginosa* sensu Britton & Brown, Ill. Fl. N. U. S. **2**: 232, fig. 1974 (1897), non Linnaeus (1771).
- R. horrida** Fischer, Cat. Hort. Gorenk. **66** (1812).—Crépin in Bull. Soc. Bot. Belg. **11**: 86 (1872).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 498 (1941).  
*Rosa provincialis* sensu Bieberstein, Fl. Taur.-Cauc. **1**: 396 (1808), non Aiton (1789).  
*Rosa ferox* Bieberstein, Cent. Pl. Rar. Ross. **1**: t. 38 (1810); Fl. Taur.-Cauc. **3**: 339 (1819).—Crépin in Bull. Soc. Bot. Belg. **30,2**: 87 (1892).—Non Lawrance (1797).  
*Rosa rubiginosa*  $\dagger$  *minor* Ledebour, Fl. Ross. **2**: 80 [1843].  
*Rosa rigida* Willdenow herb. ex Crépin in op. cit. **11**: 84 (1872).  
*Rosa ferox*  $\beta$ . *Boissieriana* Regel in Act. Hort. Petrop. **5**: 348 (Tent. Ros. Monog. 64. 1877.) (1878).  
*Rosa micrantha* var. *ferox* Crépin in Bull. Soc. Bot. Belg. **18,1**: 259 (1879), nom. event.
- R. agrestis** Savi, Fl. Pis. **1**: 475 (1798).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 124 (1901).  
*Rosa sepium* Thuillier, Fl. Paris, ed. 2, 252 (1799).—Wallroth, Rosae Pl. Gen. Hist. **240** (1828).—Crépin in Bull. Soc. Bot. Belg. **31,2**: 87 (1892).  
*Rosa rubiginosa* o. *sepium* Seringe in De Candolle, Prodr. **2**: 617 (1825).  
*Rosa agrestis* a. **1**. a. *typica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 124 (1901).
- R. Serafinii** Viviani, Fl. Lyb. Spec. 67 (1824, Feb., pref.).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 131 (1901).  
*Rosa Seraphini* Viviani, Florae Cors. Sp. Nov. Diag. **8** (1824, Sept.).—Burnat, Fl. Alp. Marit. **3,1**: 105 (1899).  
*Rosa graveolens* var. *corsica* Grenier & Godron, Fl. France, **1**: 561 (1848).  
*Rosa apennina* Woods, Tourist's Fl. **123** (1850).
- R. stylosa** Desvaux in Jour. de Bot. (Soc. Bot.) **2**: 317 (1809).—Crépin in Bull. Soc. Bot. Belg. **31,2**: 72, 133 (1892).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 133 (1901).  
*Rosa stylosa* a. *Desvauxiana* Seringe in De Candolle, Prodr. **2**: 599 (1825).  
*Rosa systyla* Bastard, Essai Fl. Maine-et-Loire Suppl. **31** (1812).—Mertens & Koch, Deutschl. Fl. **3**: 479 (1831).  
*Rosa stylosa* A. I. **b. 1**. *typica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 135 (1901).
- R. tomentella** Lémán in Jour. Phys. Chim. Hist. Nat. **87**: 365 (Note Plus. Esp. Nouv. Ros. Paris, 10) (Nov. 1818).—Lémán in Bull. Soc. Philom. (1818) 94 ex B. D. Jackson in Index Kew. **2**: 739 (1895).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 140 (1901).  
*Rosa inodora* Hooker in Curtis, Fl. Londin. new ed. **117**, t. (1817), non Fries (1914).  
*Rosa tomentosa* var. *dumetorum* Gaudin, Fl. Helv. **3**: 352 (1828), non *R. dumetorum* Thuillier (1799).  
*Rosa canina* var. *tomentella* Baker in Jour. Linn. Soc. Bot. **11**: 231 (1869).—Rouy & Camus, Fl. France, **6**: 304 (1900) " $\kappa^6$ ."
- R. Pouzini** Trattinnick, Rosac. Monog. **2**: 112 (1823).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 151 (1901).  
*Rosa rubiginosa*  $\gamma$ . *parvifolia* Willdenow, Enum. Pl. Hort. Berol. **546** (1809).—Lindley, Ros. Monogr. **145** (1820) "c."—Seringe in De Candolle, Prodr. **2**: 616 (1825) "c."  
*Rosa micrantha* De Candolle, Fl. Franç. **6**: 539 (1815), non Smith (1812).  
*Rosa hispanica* Boissier & Reuter, Pugill. Pl. Nov. Afr. Hisp. **44** (1852).  
*Rosa hispanica* f. *Pouzini* Christ in Flora, **57**: 470 (1874).  
*Rosa inconsiderata* Déséglise in Mém. Soc. Acad. Maine-et-Loire, **28**: 117 (1873).

- R. corymbifera** Borkhausen, Vers. Forstbot. Beschr. Holzart. 319 (1790).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 503 (1941).  
*Rosa dumetorum* Thuillier, Fl. Paris, ed. 2, 250 (1799).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 173 (1901).  
*Rosa collina* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **4**: 441 (1805), non Jacquin (1774).  
*Rosa caucasica* sensu Bieberstein, Fl. Taur.-Caucas. **1**: 400 (1808); **3**: 351 (1819), non Pallas (1788).  
*Rosa taurica* Bieberstein, op. cit. **1**: 394 (1808) **3**: 335 (1809).  
*Rosa solstitialis* Besser, Primit. Fl. Galic. **5**: 324 (1809); Enum. Pl. Podol. Volhyn. 19 (1822).  
*Rosa canina* f. *dumetorum* Desvaux in Jour. de Bot. (Desvaux) **2**: 115 (1813).  
*Rosa saxatilis* Steven ex Bieberstein, Fl. Taur.-Cauc. **3**: 348 (1819).  
*Rosa uncinella* Bieberstein, op. cit. 349 (1819).—Besser, Enum. Pl. Podol. Volhyn. 20 (1822).  
*Rosa collina* f. *dumetorum* Thory, Prodr. Monog. Ros. **71** (1820).  
*Rosa Friedlaenderiana* Besser in Cat. Sem. Hort. Bot. Crem. (1819) ex Besser, Enum. Pl. Volhyn. Podol. **46**, 63 (1822).  
*Rosa montana* Steven ex Besser, op. cit. 65 (1822), non Chaix ex Villars (1786).  
*Rosa caucasica* var. *collina* Godet, Fl. Jura, 215 (1853).  
*Rosa canina* var. *corymbifera* Rouy, Fl. France, **6**: 314 (1900).
- R. coriifolia** Fries, Novit. Fl. Suec. **33** (1814).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 199 (1901).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 502, t. 31, fig. 2 (1941).  
*Rosa frutetorum* Besser, Cat. Pl. Hort. Cremen. Suppl. **3**: 20 (1814); Enum. Pl. Volhyn. Podol. **18**, 61 (1821).  
*Rosa canina* v. *tomentosa* Gaudin, Fl. Helv. **3**: 350 (1828).  
*Rosa monticola* var. *frutetorum* Rapin, Guide Bot. Vaud, ed. 2, 195 (1862), p. p.  
*Rosa canina* var. *coriifolia* Baker in Jour. Linn. Soc. Lond. Bot. **11**: 235 (1869).  
*Rosa coriifolia* f. *typica* Christ in Flora, **59**: 373 (1876).  
*Rosa glauca* var. *coriifolia* Dumortier in Bull. Soc. Bot. Belg. **6**: 59 (1867).—Crépin ex Fiori & Paoletti, Fl. Anal. Ital. **1**: 500 (1898).  
*Rosa coriifolia* var. *genuina* (Crép.) Scheutz ex Mattson in L. M. Neuman, Sver. Fl. **361** (1901).  
*Rosa coriifolia* subsp. *eu-coriifolia* Christiansen in Schrift. Naturw. Verein Schleswig-Holst. **16**: 271 (1916).  
*Rosa Afzeliana* subsp. *coriifolia* R. Keller & Gams in Hegi, Ill. Fl. Mittel-Eur. **4,2**: 1038 (1923).  
*Rosa dumalis* var. *coriifolia* Boulenger in Bull. Jard. Bot. Bruxell. **14**: 162 (1936), cum syn. multis.
- R. coriifolia** var. **Froebelii** (Lambert) Rehder in Bailey, Stand. Cycl. Hort. **5**: 2997 (1916).  
*Rosa leucantha* **Froebelii** P. Lambert in Rosenzeit. **11**: 103 (1896, Dec.).  
*Rosa laxa* [**Froebel**] ex P. Lambert, l. c. (1896), non Retzius (1803).  
*Rosa Froebelii* (*laxa*) *leucantha* P. Lambert in Mitt. Deutsch. Dendr. Ges. **1916**(25): 65 [1917], nom.  
*Rosa canina* var. **Froebelii** Christ ex Rehder in Bailey, Stand. Cycl. Hort. **5**: 2997 (1916), pro syn.  
*Rosa Froebelii* Christ ex Froebel, Kat. **117**: 29 (1894), nom. subnud.—P. Lambert, Festkat. **1900-1**: 61 (1900), nom.
- R. canina** Linnaeus, Sp. Pl. 491 (1753).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 154 (1901).—Boulenger in Bull. Jard. Bot. Bruxell. **12**: 77 (1931), cum syn. multis.—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 502, t. 31, fig. 1 (1941).  
*Rosa dolosa* Godet, Fl. Jura Suppl. **72** (1869), non Waitz (1811).  
*Rosa canina* subsp. *vulgaris* Gams in Hegi, Ill. Fl. Mittel-Eur. **4,2**: 1032 (1923).  
*Rosa canina typica* Boulenger in Bull. Jard. Bot. Bruxell. **12**: 95 (1931), cum syn. multis.
- R. canina** var. **exilis** (Crép.) R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 159 (1901).  
*Rosa exilis* Crépin in Bull. Soc. Bot. Belg. **7**: 220 (1868).
- R. dumalis** Bechstein, Forstbot. 227 (1810).—Boulenger in Bull. Soc. Bot. Belg. **59**: 113 (1927) [non *R. dumalis* sensu Nyman Consp. 234 (1878), Suppl. 115 (1890)].  
*Rosa glauca* Villars ex Loiseleur in Jour. de Bot. (Soc. Bot.) **2**: 336 (1809), non Pourret (1788).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 184 (1901).  
*Rosa canina* v. *glauca* Desvaux in Jour. de Bot. (Desvaux) **2**: 116 (1813).  
*Rosa Afzeliana* Fries in Liljeblad, Utkast Svensk Fl. ed. 3 (1816); Fries, Fl. Halland. 87 (1818).  
*Rosa rubrifolia pinnatifida* Seringe, Mus. Helv. Hist. Nat. **1**: 11 (1818).  
*Rosa vosagiaca* Desportes, Roset. Gall. 88 (1828).  
*Rosa rubrifolia* var. *Reuteri* Godet, Fl. Jura, 218 (1853).  
*Rosa Reuteri* (Godet) Reuter, Cat. Pl. Vasc. Genève, ed. 2, 68 (1861).  
*Rosa monticola* a. *Reuteri* Rapin, Guide Bot. Vaud, 194 (1862).  
*Rosa Reuteri* f. *typica* Christ, Ros. Schweiz, 165 (1873).  
*Rosa glauca* a. *Reuteri* Cottet in Bull. Soc. Fribourg. Sci. Nat. **8-11**: 107 (1891).  
*Rosa glauca* A. I. a. *typica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 185 (1901).  
*Rosa Afzeliana* var. *vosagiaca* R. Keller & Gams in Hegi, Ill. Fl. Mittel-Eur. **4,2**: 1035 (1923).  
*Rosa dumalis* var. *Afzeliana* Boulenger in Bull. Jard. Bot. Bruxell. **14**: 161 (1936).
- R. britzensis** Koehne in Repert. Sp. Nov. Reg. Veg. **8**: 21 (1910); **11**: 530, fig. 2 (1913); in Mitt. Deutsch. Dendr. Ges. **1910**(19): 93, fig. 1 [1911?].—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 487 (1941), pro syn.
- R. Chavini** Rapin ex Reuter, Cat. Pl. Vasc. Genève, ed. 2, 69 (1861).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 220 (1901).  
*Rosa montana* f. *Chavini* Christ, Ros. Schweiz, 180 (1873).
- R. montana** Chaix ex Villars, Hist. Pl. Dauphin. **1**: 346 (1786).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 229 (1901).
- R. marginata** Wallroth, Annus Bot. 68 (1815).—Boulenger in Bull. Jard. Bot. Bruxell. **10**: 281 (1925), cum syn. multis.  
*Rosa humilis* Besser, Cat. Pl. Hort. Cremen. Suppl. **4**: 19 (1815), non Marshall (1785).  
*Rosa glandulosa* Besser, op. cit. 20 (1815), ex Besser, Cat. Pl. Hort. Cremen. **118** (1816), non Bellardi (1790).  
*Rosa Jundzillii* Besser, Cat. Pl. Hort. Cremen. **117** (1816).—R. Keller in Ascherson & Graebner, Syn. Mitteleur.

**Rosa marginata** (continued)

- Fl. **6,1**: 53 (1900).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 487 (1941).  
*Rosa trachyphylla* Rau, Enum. Ros. Wirceb. 124 (1816).  
*Rosa Jundzilliana* Besser, Enum. Pl. Volhyn. Podol. 67 (1822), descr. p. 316, no. 60.  
*Rosa Pugeti* Boreau in Déséglise in Mém. Soc. Acad. Maine-et-Loire, **10**: 136 (Essai Monog. Ros. France, 96) (1861).  
*Rosa Jundzilliana* f. *typica* Christ, Ros. Schweiz, 141 (1873), p. p.  
*Rosa trachyphylla* f. *Jundzilliana* Christ in Flora, **60**: 405 (1877).  
*Rosa Jundzillii* var. *Pugeti* Coste in Pons & Coste, Herb. Ros. **1**: 22 (1895).  
*Rosa Jundzillii* A. I. a. *typica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 54 (1900).

**R. marginata** f. **Godeti** (Grenier), comb. nov.

- Rosa Godeti* Grenier in Godet, Suppl. Fl. Jura, 73 (1869).  
*Rosa Jundzillii* A. I. b. 4, b. *Godetii* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 57 (1900).

**R. rubrifolia** Villars, Hist. Pl. Dauphin. **3**: 549 (1789).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 60 (1900).

- ?*Rosa glauca* Pourret in Hist. Mém. Acad. Sci. Toulouse, **3**: 326 (1788).  
*Rosa rubicunda* Haller f. in Archiv. für Bot. (Roemer) **2**: 6 (1799).  
*Rosa lurida* Andrews, Roses, **2**: [92] [1809].  
*Rosa Ilseana* Crépin in Bull. Soc. Bot. Belg. **8**: 334 (1869).  
*Rosa rubrifolia* var. *typica* Christ, Ros. Schweiz, 173 (1873).  
*Rosa ferruginea* sensu Grenier, Fl. Chaîne Jurass. **3**: 61 (1875).—Crépin in Bull. Soc. Bot. Belg. **27,1**: 113 (1888).—Non Villars (1779).

**R. Pokorniyana** (*R. canina* × *rubrifolia*) Kmet, Uhonké Noviny **1**, no. 1 (1883).—Borbás in Oester. Bot. Zeitschr. **33**: 225 (1883).—Koehe, Deutsche Dendr. 291 (1893).—Crépin in Bull. Soc. Bot. Belg. **33,1**: 132 (1894).

- Rosa scopulosa* Briquet in Bull. Soc. Bot. Genève, **7**: 97 (1894).  
*Rosa rubrifolia* × *canina* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 250 (1902).—Boulenger in Bull. Jard. Bot. Bruxell. **12**: 449 (1932).

## Ser. 4. CAROLINAE (Crépin), grad. nov.

- Rosa* sect. *Carolinae* Crépin in Bull. Soc. Bot. Belg. **15**: 57 (Prim. Monog. Ros. 418) (1876), nom. subnud.; in Jour. des Ros. **15**: 54 (Nouv. Class. Roses, 17) (1891).  
*Rosa* (sect.) *Cinnamomeae* De Candolle ex Seringe, Mus. Hist. Nat. Helv. **1**: 2 [1818], p. p.—Lindley, Ros. Monog. 13 (1820) "div.", p. p.  
*Rosa* groupe *Americanenses* Thory, Prodr. Monog. Ros. 50 (1820), p. p.  
*Rosa* groupe *Hudsonianae* Thory, op. cit. 62 (1820).

**R. palustris** Marshall, Arbust. Am. 135 (1785).—Rydberg in N. Am. Fl. **22**: 495 (1918).

- Rosa carolina* Linnaeus Sp. Pl. ed. 2, 703 (1762).—Crépin in Bull. Soc. Bot. Belg. **15**: 57 (Prim. Monog. Ros. 418) (1876).—Britton & Brown, Ill. Fl. N. U. S. **2**: 231, fig. 1970 (1897).—Non Linnaeus (1753).  
*Rosa virginiana* Du Roi, Harbk. Baumz. **2**: 353 (1772).  
*Rosa corymbosa* Ehrhart, Beitr. Naturk. **4**: 21 (1789).

*Rosa fragrans* Salisbury, Prodr. Stirp. Chap. Allert. 358 (1796).

*Rosa pensylvanica* Michaux, Fl. Bor.-Am. **1**: 296 (1803), non Wangenheim (1787).

*Rosa caroliniana* Bigelow, Fl. Boston. 121 (1814).

*Rosa enneaphylla* Rafinesque, Précis Découv. Trav. Somiol. 35 (1814).

*Rosa Hudsoniana* Thory in Redouté, Roses, **1**: 95 (1817).

*Rosa Hudsoniana* a. *salicifolia* Thory, l. c., t. (1817).

?*Rosa glandulosa* Rafinesque in Ann. Gén. Sci. Phys. **5**: 214 (1820), non Bellardi (1790), nec Besser (1815).

*Rosa elegans* Rafinesque, l. c. (1820), non Salisbury (1796).

*Rosa salicifolia* Thory in Redouté, Roses, **3**: 121, in indice (1823).

?*Rosa Sprengeliana* Trattinnick, Rosac. Monog. **2**: 163 (1823).

*Rosa carolina* γ. *salicifolia* Seringe in De Candolle, Prodr. **2**: 605 (1825).

*Rosa elongata* Roessig ex Steudel, Nomencl. Bot. ed. 2, **2**: 468 (1841).

**R. palustris** f. **Nuttalliana** (Rehd.), grad. nov.

*Rosa Carolina* var. *Nuttalliana* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1553 (1902).—Bean, Trees Shrubs Brit. Isl. **2**: 423 (1914).

*Rosa palustris* var. *Nuttalliana* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. **5**: 2991 (1916).

*Rosa Nuttalliana* Paul ex Rehder in McFarland, Modern Roses II, 207 (1940), pro syn.

**R. Mariae-Graebneriae** [*R. palustris* × *virginiana*] Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 293 (1902, Apr.); in Gartenfl. **51**: 564, t. 1504, fig. 4 (1902) "*R. carolina* × *humilis* b. *lucida*".—Schneider, Ill. Handb. Laubh. **1**: 570 (1905).

*Rosa palustris* × *virginiana* Rydberg in N. Am. Fl. **22**: 496 (1918).

**R. virginiana** Miller, Gard. Dict. ed. 8, *R.* no. 10 (1768).—Rydberg in N. Am. Fl. **22**: 498 (1918).

*Rosa carolinensis* Marshall, Arbust. Am. 135 (1785).

*Rosa blanda* Aiton, Hort. Kew. **2**: 202 (1789), p. p.

*Rosa lucida* Ehrhart, Beitr. Naturk. **4**: 22 (1789).—Crépin in Bull. Soc. Bot. Belg. **15**: 60 (Prim. Monog. Ros. 421) (1876).

*Rosa fraxinea* Willdenow, Enum. Pl. Hort. Berol. Suppl. **37** (1813).

*Rosa Pennsylvanica* Andrews, Roses, **2**: t. 101 [1828], non Wangenheim (1787), nec Michaux (1803).

*Rosa humilis* var. *lucida* Best in Bull. Torrey Bot. Club, **14**: 256 (1887), p. p.—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 292 (1902) "b. l."

*Rosa virginiana* subsp. b. *lucida* Best ex Schneider, Ill. Handb. Laubh. **1**: 570, fig. 623g (1905).

*Rosa Carolina* var. *lucida* Farwell in Ann. Rep. Michigan Acad. Sci. **21**(1919): 367 (1920).

**R. virginiana** f. **plena** (Rehd.), grad. nov.

*Rosa rapa* Bosc in Nouv. Cours. Compl. Agric. (Rozier) **11**: 247 (1809); n. éd., **13**: 267 (1823); Bosc in Bosc & Baudrillard, Dict. Cult. Arb. 704, 706 (Encycl. Méth. Agric. VII) (1821).

*Rosa lucida* fl. *pleno* Savi, Fl. Ital. **1**: 71, t. 23 (1818), in tab.; "*R. lucida*" p. 71.

*Rosa Rapa* fl. *semitpleno* Thory in Redouté, Roses, **2**: 7, t. [1819].

*Rosa Pennsylvanica* var. *flore pleno* Andrews, Roses, **2**: t. [102] [1828].

*Rosa lucida* var. *plena* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1554 (1902).

- Rosa virginiana* fl. pleno Bean, Trees Shrubs Brit. Isl. 2: 447 (1914).
- Rosa virginiana* var. *plena* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 5: 2991 (1916).
- R. virginiana** var. *lamprophylla* Rehder in Jour. Arnold Arb. 3: 15 (1921).
- R. carolina** Linnaeus, Sp. Pl. 492 (1753).—Rydberg in N. Am. Fl. 22: 499 (1918).
- Rosa humilis* Marshall, Arbust. Am. 136 (1785).
- Rosa pensylvanica* C. F. Ludwig, Neu. Wilde Baumz. 45 (1783), nom.—Wangenheim, Beytr. Deutsch. Holzger. Forstw. Nordam. Holzart. 113 (1787).
- Rosa parviflora* Ehrhart, Beitr. Naturk. 4: 21 (1789).
- Rosa caroliniana* Michaux, Fl. Bor.-Am. 1: 295 (1803).
- Rosa pratensis* Rafinesque in Ann. Gén. Sci. Phys. 5: 215 (1820).
- Rosa lucida* a. Torrey & Gray, Fl. N. Am. 1: 458 (1840).
- Rosa lucida* sensu Meehan, Nativ. Flow. 2: 33, t. 9 (1879), non Ehrhart (1879).
- Rosa parviflora* a. *vulgaris* Crépín in Bull. Soc. Bot. Belg. 15: 68 (Prim. Monog. Ros. 429) (1876), p. p.
- Rosa humilis* β. *parviflora* Koehne, Deutsche Dendr. 293 (1893).
- Rosa virginiana* subsp. a. *humilis* Schneider, Ill. Handb. Laubh. 1: 517, fig. 326h (1905).
- Rosa Virginiana* var. *vulgaris* Farwell in Am. Midland Nat. 10: 33 (1926), p. p.
- R. carolina** f. *triloba* (S. Wats.), grad. nov.
- Rosa humilis* var. *triloba* S. Watson in Gard. & For. 2: 76, fig. 93 (1889).
- Rosa carolina* var. *triloba* Rehder in Bailey, Stand. Cycl. Hort. 5: 2991, fig. 3444 (1916).
- R. carolina** var. *grandiflora* (Bak.) Rehder in Bailey, Stand. Cycl. Hort. 5: 2991 (1916).—Farwell in Rep. Michigan Acad. Sci. 21(1919): 367 (1920).
- Rosa carolina* e. Aiton f., Hort. Kew. ed. 2, 3: 260 (1811).
- Rosa obovata* Rafinesque in Ann. Gén. Sci. Phys. 5: 217 (1820).—Rydberg in N. Am. Fl. 22: 499 (1918).
- Rosa laxa* Lindley, Ros. Monog. 18 (1820), non Retzius (1803).
- Rosa Lindleyi* Sprengel, Syst. Pl. 2: 547 (1825).
- Rosa humilis* var. *grandiflora* Baker in Willmott, Gen. Rosa, 1: 207, t. [1911].
- Rosa virginiana* var. *grandiflora* Bean, Trees Shrubs Brit. Isl. 2: 447 (1914).—Farwell in Papers Michigan Acad. Sci. 2: 26 (1923).
- R. carolina** var. *glandulosa* (Crép.) Farwell in Rep. Michigan Acad. Sci. 21(1919): 366 (1920).—Rehder in Jour. Arnold Arb. 3: 16 (1922).
- Rosa serrulata* Rafinesque in Ann. Gén. Sci. Phys. 5: 218 (1820).—Rydberg in N. Am. Fl. 22: 500 (1918).
- Rosa parviflora* var. β. *glandulosa* Crépín in Bull. Soc. Bot. Belg. 15: 68 (Prim. Monog. Ros. 429) (1876).
- Rosa parviflora* var. γ. *setigera* Crépín, l. c. (1876).
- Rosa mexicana* S. Watson in Proc. Am. Acad. Arts Sci. 17: 354 (1882); 20: 349 (1885); non Willdenow (1825).
- Rosa virginiana* var. *glandulosa* Farwell in Papers Michigan Acad. Sci. 2: 26 (1923).
- R. carolina** var. *villosa* (Best) Rehder in Bailey, Stand. Cycl. Hort. 5: 2991 (1916).
- Rosa Lyoni* Pursh, Fl. Am. Sept. 345 (1814).—Rydberg in N. Am. Fl. 22: 498 (1918).
- Rosa pusilla* Rafinesque in Ann. Gén. Sci. Phys. 5: 220 (1820).
- Rosa lucida* γ. Torrey & Gray, Fl. N. Am. 1: 459 (1840).
- Rosa humilis* var. *villosa* Best in Bull. Torrey Bot. Club, 14: 256 (1887).
- Rosa Virginiana* var. *vulgaris* (Crép.) Farwell in Am. Midland Nat. 10: 33 (1926), p. p.
- Rosa carolina* var. *Lyoni* Palmer & Steyermark in Ann. Missouri Bot. Gard. 22: 571 (1935); in Rhodora, 40: 133 (1938) "*Lyoni*".
- R. carolina** f. *alba* (Rehd.) Rehder in Jour. Arnold Arb. 20: 98 (1939) "var. *villosa* f. a."
- Rosa lucida* var. *alba* Anon. in Am. Florist, 12: 1098, fig. (1897).—Rehder in Bailey, Cycl. Am. Hort. [4]: 1554 (1902).
- Rosa virginiana alba* Willmott, Gen. Rosa, 1: t. opp. p. 198 [1911].—Bean, Trees Shrubs Brit. Isl. 2: 447 (1914) "var."
- Rosa Lyoni* f. *alba* Rehder in Jour. Arnold Arb. 3: 17 (1921).
- R. nitida** Willdenow, Enum. Pl. Hort. Berol. 544 (1809).—Crépín in Bull. Soc. Bot. Belg. 15: 63 (Prim. Monog. Ros. 424) (1876).—Rydberg in N. Am. Fl. 22: 501 (1918).
- Rosa rubripina* Bosc Dict. ex Poirét, Encycl. Méth. Bot. Suppl. 4: 715 (1816).—Bosc in Nouv. Cours Compl. Agric. (Rozier) n. ed., 13: 267 (1823).
- Rosa Redutia rubescens* Thory in Redouté, Roses, 1: 103 (1817).
- Rosa blanda* sensu Pursh, Fl. Am. Sept. 1: 344 (1914), p. p.; non Aiton (1789).
- R. Scharnkeana** (*R. californica* × *nitida*) Graebner in Gartenfl. 51: 562, t. 1504, fig. 2 (1902).
- R. rudiusscula** Greene, Leaf. Bot. Obs. 2: 134 (1911).—Rydberg in N. Am. Fl. 22: 503 (1918).
- R. foliolosa** Nuttall ex Torrey & Gray, Fl. N. Am. 1: 460 (1840).—Crépín in Bull. Soc. Bot. Belg. 15: 70 (Prim. Monog. Ros. 430) (1876).—Rydberg in N. Am. Fl. 22: 502 (1918).
- R. foliolosa** f. *alba* (Bridwell), grad. nov.
- Rosa foliolosa* var. *alba* Bridwell in Horticulture, ser. 2, 3: 336 (1925).
- Ser. 5. CINNAMOMEAE (Ser.), grad. nov.
- Rosa* (sect.) *Cinnamomeae* De Candolle in Seringe, Mus. Helv. Hist. Nat. 1: 2 [1818], p. p. typ.—Lindley, Ros. Monog. 13 (1820) "div."—Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 81 (1861) "sect."
- Rosa* (sect.) *Hebecladae* De Candolle ex Seringe, op. cit. 3 [1818].
- Rosa* div. *Feroces* Lindley, Ros. Monog. 3 (1820).
- Rosa* groupe *Alpinenses* Thory, Prodr. Monog. Ros. 59 (1820).
- Rosa* Ser. *Hoppeana*, Trattinnick, Rosac. Monog. 2: 115 (1823).
- Rosa* Ser. *Linkiana* Trattinnick, op. cit. 146 (1823), sp. nonnull. exclud.
- Rosa* Ser. *Thoryana* Trattinnick, op. cit. 195 (1823), sp. nonnull. exclud.
- Rosa* sect. *Alpinæ* Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 93 (1861), p. p.
- Rosa* sect. *Gymnocarpæ* Crépín in Bull. Soc. Bot. Belg. 15: 72 (Prim. Monog. Ros. 433) (1876), nom. subnud.
- R. rugosa** Thunberg, Fl. Jap. 213 (1784).—Crépín in Bull. Soc. Bot. Belg. 14: 41 (Prim. Monog. Ros. 335) (1875).—Nakai, Fl. Sylv. Kor. 7: 34, t. 7 (1916).
- Rosa ferox* Lawrance, Coll. Roses, t. 42 (1799).—Aiton f., Hort. Kew. ed. 2, 3: 262 (1811).

**Rosa rugosa** (continued)

- Rosa kamtschatica* var. *ferox* [Géel], Sertum Bot. 4 (cl. 13): t. (1832).
- Rosa rugosa* a. *Thunbergiana* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 6(Bot.): 32 (Zimmtr. 1847) (1849).
- Rosa rugosa* β. *ferox* C. A. Meyer in op. cit. 33 (1847).
- Rosa Regeliana* Linden & André in Ill. Hort. 18: 11, t. 47 (1871).
- Rosa rugosa* a. *typica* Regel in Act. Hort. Petrop. 5: 309 (Tent. Ros. Monog. 25. 1877) (1878); in Gartenfl. 30: 197, t. 1049 (1881).
- Rosa rugosa* var. *rubra* Rehder in Bailey, Cycl. Am. Hort. 4: 1556 (1902).
- Rosa rugosa* var. *Regeliana* [Wittmack] in Gartenfl. 42: 539, fig. 108 (1893).
- R. rugosa** f. *rosea* (Rehd.), grad. nov.
- Rosa rugosa* var. *rosea* Rehder in Bailey, Cycl. Am. Hort. 4: 1556 (1902).
- R. rugosa** f. *alba* (Ware), grad. nov.
- Rosa rugosa alba* Ware in Garden, 6: 262 (1874).—W. Robinson in Garden, 9: 452, t. (1876).
- Rosa rugosa* var. *albiflora* Koidzumi in Jour. Coll. Sci. Tokyo, 34.2: 223 (Consp. Rosac. Jap.) (1913)
- R. rugosa** f. *albo-plena* (Rehd.), grad. nov.
- Rosa rugosa* var. *albo plena* Rehder in Bailey, Cycl. Am. Hort. 4: 1556 (1902).
- Rosa rugosa* var. *albo-plena* Rehder in Bailey, Stand. Cycl. Hort. 5: 2992 (1916).
- R. rugosa** var. *kamtschatica* (Vent.) Regel in Act. Hort. Petrop. 5: 310 (Tent. Ros. Monog. 28. 1877) (1878) "β."—Koehne, Deutsche Dendr. 298 (1893) "γ. *cin-namomea* vel *davurica* × *rugosa*."—Nakai, Fl. Sylv. Kor. 7: 34, t. 8 (1918) "var. *kamtschatica*."
- Rosa kamtschatica* Ventenat, Descr. Pl. Nov. Jard. Cels. 67, t. (1800).—Crépin in Bull. Soc. Bot. Belg. 11: 51 (Prim. Monog. Ros. 167) (1872) "*kamtschatica*".—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 448 (1941) "*kamtschatica* (*rugosa* × *amblyotis*)".
- Rosa kamtschatica* β. *nitens* Lindley in Bot. Reg. 10: t. 824 (1828).
- Rosa cinnamomea* Ledebour, Fl. Ross. 2: 76 [1843] p. p. quoad pl. *kamtschat*.
- Rosa rugosa* γ. *Lindleyana* et ε. *Ventenatiana* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 6(Bot.): 34, 35 (Zimmtr. 1847) (1849).
- Rosa davurica* × *rugosa* Hultén, Fl. Kamtch. 3: 91 (1929).
- R. rugosa** var. *Chamissoniana* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 6(Bot.): 34 (Zimmtr. 1847) (1849) "δ."—Rehder & Wilson in Sargent, Pl. Wilson. 2: 321 (1915).
- ?*Rosa coruscans* Waitz ex Link, Enum. Pl. Hort. Berol. 2: 57 (1822).
- Rosa rugosa* ζ. *subinermis* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 6(Bot.): 36 (Zimmtr. 1847) (1849).
- ?*Rosa rugosa* γ. *coruscans* (Waitz) Koehne, Deutsche Dendr. 298 (1893).
- R. rugosa** f. *plena* (Reg.) Byhouwer in Jour. Arnold Arb. 10: 98 (1929) "var. *Chamissoniana* f. *pl.*"
- Rosa rugosa* ζ. *plena* Regel in Act. Hort. Petrop. 5: 310 (Tent. Ros. Monog. 26. 1877) (1878).—Rehder, Man. Cult. Trees Shrubs, 442 (1927) "var."
- Rosa pubescens* Baker in Willmott, Gen. Rosa, 2: 499 (1914).—Boulenger in Bull. Jard. Bot. Bruxell. 14: 149 (1936), pro syn. sub *R. rugosa*—Non Roxburgh (1832), nec Rapin (1861).
- Rosa rugosa* var. *rubro-plena* Rehder in Bailey, Stand. Cycl. Hort. 5: 2992 (1916).
- R. Paulii** (*R. arvensis* × *rugosa*) Rehder in Jour. Arnold Arb. 3: 11 (1922).
- Rosa rugosa repens alba* Paul & Son ex F. in Garden, 54: 279 (1910).—Darlington in Rose Annual, 1915: 43 (1915).
- R. calocarpa** (*R. chinensis* × *rugosa*) (André) Willmott, Gen. Rosa, 1: 189, t. [1911].
- Rosa rugosa calocarpa* André in Rev. Hort. 1891: 129, fig. 35 (1891).
- Rosa rugosa* × *indica* Crépin in Bull. Soc. Bot. Belg. 33: 122 (1894).
- R. Bruantii** (*R. odorata* [vel *dilecta*] × *rugosa*) Rehder in Jour. Arnold Arb. 3: 12 (1922).
- R. arnoldiana** (*R. borboniana* × *rugosa*) Sargent in Bull. Pop. Inform. Arnold Arb., n. ser. 5: 38 (1919).—Gersdorff in Am. Rose Ann. 1919: 136 (1919).
- Rosa* "Arnold" in Am. Rose Ann. 1916: 125 (1916).
- Rosa* "Dawson's Hybrid Rugosa" Gersdorff in Am. Rose Ann. 1917: 121 (1917).
- R. Spaethiana** [*R. palustris* × *rugosa*] Graebner in Gartenfl. 51: 563, t. 1504 fig. 3 (1902) "*carolina* × *rugosa*".
- R. warleyensis** (*R. blanda* × *rugosa*) Willmott in Gen. Rosa, 1: 185, t. [1911].
- R. Koehneana** (*R. carolina* × *rugosa*) Rehder in Jour. Arnold Arb. 26: 475 (1945).
- Rosa rugosa* × *carolina* Rehder, Man. Cult. Trees Shrubs, 442 (1927), non Graebner (1902).
- Rosa humilis* × *rugosa* Koehne, Deutsche Dendr. 294 (1893), nom.—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6.1: 308 (1902), nom.—Willmott, Gen. Rosa, 1: 203, t. (fl.), t. (fr.) (1911).
- R. micrugosa** [*R. Roxburghii* × *rugosa*] Henkel in Gartenfl. 59: 164, t. 1581 (1910) "*microphylla* × *rugosa*".
- Rosa microphylla* × *rugosa* Vilmorin in Rev. Hort. 1905: 144, t. (1905).
- Rosa Vilmorinii* Bean, Trees Shrubs Brit. Isl. 2: 441 (1914).
- Rosa Wilsonii* hort. ex A. T. Johnson in Jour. Hort. Soc. Lond. 70: 332 (1945).
- R. rubrosa** (*R. rubrifolia* × *rugosa*) Preston in Gard. Chron. ser. 3, 80: 327, fig. 150 (1926).—W. T. Macoun in Rep. Domin. Horticulturist Canada Dept. Agric. 1928: 58 (1930).
- R. acicularis** Lindley, Ros. Monog. 44 (1820).—Crépin in Bull. Soc. Bot. Belg. 14: 5 (Prim. Monog. Ros. 299) (1875).—Rydberg in N. Am. Fl. 22: 507 (1918).—Rehder in Jour. Arnold Arb. 13: 317 (1932).—Boulenger in Bull. Jard. Bot. Bruxell. 14: 131 (1937).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 449 (1941).
- Rosa Sayi* Schweinitz in Keating, Narrat. Exp. under S. H. Long, 2: 388 (1824).
- Rosa Gmelini* Bunge in Ledebour, Fl. Alt. 2: 228 (1829).
- Rosa carelica* Fries, Summa Veg. Scand. 1: 171 (1846).
- Rosa acicularis* var. *Gmelini* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 6(Bot.):

- 17 (Zimmtros. 1847) (1849).—Nakai, Fl. Sylv. Kor. 7: 37, t. 10, 1, 10, 2, (1918).
- Rosa stricta* Macoun & Gibson in Trans. Bot. Soc. Edinb. 12: 324 (1875).
- Rosa acicularis* var. *carelica* Matsson in L. M. Neuman, Sverig. Fl. 372 (1901).
- Rosa Fauriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 7: 199 (1909), p. p. quoad specim. Faurie 99.
- Rosa Taquetii* Léveillé, l. c. (1909), p. p. quoad specim. sterilia.
- Rosa Korsakoviensis* Léveillé in op. cit. 10: 378 (1912).—Willmott, Gen. Rosa, 2: 517, t. (1914).
- Rosa acicularis* var. *Taquetii* Nakai in Bot. Mag. Tokyo, 30: 241 (1916), p. p.; Fl. Sylv. Kor. 7: 38, t. 11 (1918), non *R. T. Léveillé* (1909).
- R. acicularis** var. **Engelmannii** Crépín ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1555 (1902).
- Rosa Engelmannii* S. Watson in Gard. & For. 2: 376, fig. 121 (1889).—Rydberg in N. Am. Fl. 22: 506 (1918).
- R. acicularis** var. **Bourgeauiana** Crépín in Bull. Soc. Bot. Belg. 15: 29 (Prim. Monog. Ros. 390) (1876).—Rydberg in N. Am. Fl. 22: 507 (1918).
- Rosa majalis* sensu Borrer in Hooker, Fl. Bor.-Am. 1: 200 [1834], non Herrmann (1762), nec Lindley (1820).
- Rosa Sayi* sensu S. Watson in Proc. Am. Acad. Arts Sci. 20: 340 (1885), non Schweinitz (1824).
- Rosa Bourgeauiana* Crépín in Bull. Soc. Bot. Belg. 14: 9 (Prim. Monog. Ros. 303) (1875), nom.; in op. cit. 15: 29 (390) (1876), pro syn.
- Rosa acicularis* var. *Sayi* Rehder in Bailey, Cycl. Am. Hort. [4]: 1555 (1902).
- R. acicularis** var. **nipponensis** (Crép.) Koehne, Deutsche Dendr. 298 (1893) “*γ*.”
- Rosa nipponensis* Crépín in Bul. Soc. Bot. Belg. 14: 7 (Prim. Monog. Ros. 301) (1875), nom. provis.
- R. arkansana** Porter in Porter & Coulter, Syn. Fl. Colo. 38 (1874).—Rydberg in N. Am. Fl. 22: 504 (1918).
- Rosa blanda* var. *arkansana* Best in Bull. Torrey Bot. Club, 17: 145 (1890), p. p. typ.
- Rosa Rydbergii* Greene, Leaf. Bot. Obs. 2: 133 (1911).
- R. suffulta** Greene in Pittonia, 4: 12 (1899).—Rydberg in N. Am. Fl. 22: 504 (1918).
- Rosa stricta* *β*. Borrer ex Hooker, Fl. Bor.-Am. 1: 200 [1832].
- Rosa blanda* var. *γ. setigera* Crépín in Bull. Soc. Bot. Belg. 15: 33 (Prim. Monog. Ros. 394) (1876) p. p.
- Rosa arkansana* sensu S. Watson in Proc. Am. Acad. Arts Sci. 20: 341 (1885).—Weaver & Fitzpatrick in Ecol. Monog. 4: 225, fig. 75 (1934).—Non Porter (1874).
- Rosa blanda* var. *arkansana* Best in Bull. Torrey Bot. Club, 17: 145 (1890), p. p.
- Rosa virginiana* var. *arkansana* McMillan, Metasperm. Minn. Valley, 304 (1892).
- Rosa pratincola* Greene in Pittonia, 4: 13 (1899), non H. Braun (1888).
- Rosa arkansana suffulta* Cockerell in Bull. Torrey Bot. Club, 27: 88 (1900).
- Rosa heliophila* Greene, Leaf. Bot. Obs. 2: 132 (1911).
- Rosa pratincola* var. *angustiarum* et var. *setulosa* Cockerell in Daniels, Fl. Boulder Colo. 148 (Univ. Missouri Stud. Sci. Ser. 2,2) (1911).
- Rosa heliophila* var. *foliosissima* Lunell in Am. Midland Nat. 2: 157 (1912).
- Rosa arkansoides* Schneider, Ill. Handb. Laubh. 2: 971 (1912, July).
- Rosa dulcissima* Lunell in op. cit. 2: 287 (1912, Oct.).
- Rosa gratiosa* var. *dulcissima* Lunell in op. cit. 3: 137 (1913).
- Rosa angustiarum* Cockerell in Torrey, 18: 180 (1918).
- R. suffulta** f. **alba** (Rehd.) Rehder in Jour. Arnold Arb. 3: 17 (1922).
- Rosa pratincola* f. *alba* Rehder in Mitt. Deutsch. Dendr. Ges. 1910(19): 252 [1911?].
- Rosa arkansoides* f. *alba* Schneider, Ill. Handb. Laubh. 2: 971 (1912).
- Rosa heliophila* f. *alba* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 222 [1916].
- R. blanda** Aiton, Hort. Kew. 2: 202 (1789).—Rydberg in N. Am. Fl. 22: 509 (1918).—Fernald in Rhodora, 20: 90 (1918).—Boulenger in Bull. Jard. Bot. Bruxell. 14: 289 (1937).
- Rosa fraxinifolia* Lindley, Ros. Monog. 26 (1820), p. p.; non Borkhausen (1790).
- Rosa Solandri* Trattinnick, Rosac. Monog. 2: 150 (1823).
- Rosa fraxinifolia* a. *blanda* Seringe in De Candolle, Prodr. 2: 606 (1825).
- Rosa blanda* var. a. *pubescens* et *β. glabra* Crépín in Bull. Soc. Bot. Belg. 15: 33 (Prim. Monog. Ros. 394) (1876).
- Rosa blanda nuda* Schuette in Proc. Am. Soc. Adv. Sci. 46: 279 (1898).
- Rosa blanda* var. *typica* Schneider, Ill. Handb. Laubh. 1: 577 (1905).
- Rosa gratiosa* Lunell in Am. Midland Nat. 2: 154 (1912).
- Rosa subblanda* Rydberg in N. Am. Fl. 22: 509 (1918).
- Rosa blanda* var. *hispida* Farwell in Papers Michigan Acad. Sci. 2: 25 (Notes Mich. Fl.) (1923).
- R. blanda** f. **Willmottiana** Baker in Willmott, Gen. Rosa, 2: 308, t. 312, 313 [1911], “*var.*”—Rehder in Bailey, Stand. Cycl. Hort. 5: 2993 (1916), sphalm. “*Willmottiae*”; “*var.*”
- R. Aschersoniana** [*R. blanda* × *chinensis*] Graebner in Gartenfl. 51: 561, t. 1504, fig. 1 (1902) “*blanda* × *indica*.”—Schneider, Ill. Handb. Laubh. 1: 546 (1905).
- Rosa Chinensis* × *Virginiana* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 371 (1902).
- R. pendulina** Linnaeus, Sp. Pl. 492 (1753).—H. Braun in Verh. Zool.-Bot. Ges. Wien, 35: 111 (1885).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 298 (1902).—Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, 51: 491 (1907).—Willmott, Gen. Rosa, 2: 293, t. [1911].
- Rosa cinnamomea* Linnaeus, Sp. Pl. 491 (1753), non 1759.
- Rosa alpina* Linnaeus, Sp. Pl. ed. 2, 703 (1762).—Crépín in Bull. Soc. Bot. Belg. 27,1: 109 (1888); 31,2: 75 (1892).—Boulenger in Bull. Jard. Bot. Bruxell. 10: 193 (1924), cum syn. multis.
- Rosa rupestris* Crantz, Stirp. Austr. fasc. 2: 23 (1763); ed. 2, 1: 85 (1769).
- Rosa pimpinellifolia* sensu Villars, Hist. Pl. Dauphin. 3: 553 (1789), non Linnaeus (1759), sec. Bellardi sub *R. glandulosa*.
- Rosa glandulosa* Bellardi in Mém. Acad. Sci. Turin. 5 (1790–91): 230 (App. Fl. Pedem. 22. 1792) (1793).
- ?*Rosa fraxinifolia* Borkhausen, Vers. Forstbot. Beschr. Holztart. 301 (1790).
- Rosa hispida* Krock, Fl. Siles. 2,1: 152 (1790), non Muenchhausen (1770), nec Borkhausen (1790).
- Rosa alpina* a. *typica* H. Braun in Beck, Fl. Nieder-Oester. 975 (1892).

**Rosa** (continued)

- R. pendulina** f. *pyrenaica* (Gouan) R. Keller in Hegi, Fl. Mittel-Eur. 4,2: 1049 [1923].  
*Rosa pyrenaica* Gouan, Ill. Obs. Bot. 37 (1773).  
*Rosa alpina* γ. *pyrenaica* Seringe in De Candolle, Prodr. 2: 611 (1825).  
*Rosa pendulina* \*\* *Pyrenaica* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 300 (1902).—Rehder, Man. Cult. Trees Shrubs, 443 (1927) "var."
- R. pendulina** var. *oxyodon* (Boiss.) Rehder in Jour. Arnold Arb. 20: 98 (1939).  
*Rosa oxyodon* Boissier, Fl. Or. 2: 674 (1872).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 453 (1941).  
*Rosa cinnamomea* var. γ. *oxyodon* Regel in Act. Hort. Petrop. 5: 326 (Tent. Ros. Monog. 42. 1877) (1878).  
*Rosa alpina* var. *oxyodon* Boulenger in Bull. Jard. Bot. Bot. Bruxell. 13: 244 (1935).
- R. pendulina** var. *gentilis* (Sternb.) R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 304 (1902) "B. I. b. 1."  
*Rosa gentilis* Sternberg in Flora, 9, Beil. 1: 79 (1826).—Déséglise in Bull. Soc. Bot. Belg. 15: 264 (Cat. Rais. Rosier) (1876).—Borbas in Matern. Termeszt. Közlem. 16: 526 (Magyar Birod. Rosz. Monog.; Prim. Monog. Ros. Hung.) (1881).—Crépin in Bull. Soc. Bot. Belg. 33: 36 (1894).  
*Rosa rubella* sensu Godet, Fl. Jura, 205 (1853), non Smith (1824).
- R. Lheritierana** [*R. chinensis* × *pendulina*] Thory in Redouté, Roses, 3: 21, t. (1824) "*L'heritierana*" in tab.—Wallroth, Rosae Pl. Gen. Hist. 106, 177 (1828) "*Heritierana*".  
*Rosa reclinata* Thory in Redouté, Roses, 3: 79, 2 t. (1824).  
*Rosa reclinata* β. *multplex* Seringe in De Candolle, Prodr. 2: 606 (1825).  
*Rosa fraxinifolia* γ. *L'heritierana* Seringe in op. cit. 607 (1825).  
*Rosa Boursoultii* Sweet, Hort. Brit. 138 [1826], nom.  
*Rosa Boursaultiana* Desportes, Roses Cult. France, 9 (1829).  
*Rosa Boursaultii* Hort. ex Steudel, Nomencl. Bot., ed. 2, 2: 467 (1841), nom.  
*Rosa alpina* *Boursaultii* Bosse, Handb. Blumengärt. ed. 2, 3: 261 (1842).
- R. cinnamomea** Linnaeus, Syst. Pl. ed. 10, 1062 (1759); Sp. Pl. ed. 2, 703 (1762).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,1: 294 (1902).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 454 (1941).—Non Linnaeus (1753).  
*Rosa collincola* Ehrhart, Beitr. Naturk. 2: 179 (1788).  
*Rosa Fischeriana* Besser ex Link, Enum. Pl. Hort. Berol. 2: 60 (1822), nom.  
*Rosa cinnamomea* α. *vulgaris* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6(Sci. Nat.), 6(Bot.): 22 (Zimmtr. 22. 1847) (1849).  
*Rosa cinnamomea* f. *typica* Leffler in Bot. Notis. 1888: 33 (1888).—Matsson in L. M. Neuman, Sverig. Fl. 371 (1901).  
*Rosa spinosissima* sensu Rydberg in N. Am. Fl. 22: 514 (1918), non Linnaeus (1753), p. p. typ.
- R. cinnamomea** f. *plena* (West.), grad. nov.  
*Rosa majalis* Herrmann, Diss. Bot.-med. Rosa, 8 (1762).  
*Rosa cinnamomea* 2. *plena* Weston, Bot. Univ. 1: 248 (1770).
- Rosa foecundissima* Muenchhausen, Hausvater, 5: 279 (1770).  
*Rosa cinnamomea* β. *foecundissima* Koch, Syn. Fl. Germ. Helv. 1: 224 (1837).—Schneider, Ill. Handb. Laubh. 1: 574 (1905) "f."
- R. davurica** Pallas, Fl. Ross. 1,2: 61 (1788).—Crépin in Bull. Soc. Bot. Belg. 14: 33 (Prim. Monog. Ros. 327) (1875).—Nakai, Fl. Sylv. Kor. 7: 35, t. 9 (1918).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 459, t. 28, fig. 3 (1941).  
*Rosa Willdenowii* Sprengel, Syst. Veg. 2: 547 (1825).  
*Rosa Gmelinii* sensu Ledebour, Fl. Ross. 2: 75 [1843], p. p.; non Bunge (1829).  
*Rosa cinnamomea* sensu Ledebour, op. cit. 76 [1843] p. p.; non Linnaeus (1762).  
*Rosa cinnamomea* γ. *davurica* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6(Sci. Nat.), 6(Bot.): 27 (Zimmtr. 27. 1847) (1849).—Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 363 (in Mém. Biol. 2: 539. 1858) (1857) "var. *R. davurica*".
- R. laxa** Retzius in Phytograph. Blätt. (G. F. Hoffmann) 1: 39 (1803).—Crépin in Bull. Soc. Bot. Belg. 14: 26 (Prim. Monog. Ros. 320) (1875).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 461 (1941).  
*Rosa laxa* β. *incana* Wikström in Svenska Vetensk.-Akad. Handl. 1820: 267 (Några Art. Rosa, 12) (1821).  
*Rosa soongarica* Bunge in Ledebour, Fl. Alt. 2: 226 (1830).  
*Rosa Gebleriana* Schrenk in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 1: 80 (1842, May).  
*Rosa alpina* sensu Ledebour, Fl. Ross. 2: 75 [1843, Sept.?] p. p.; non Linnaeus (1762).  
*Rosa cinnamomea* var. *soongarica*, Ledebour, op. cit. 76 [1843].  
*Rosa cinnamomea* var. *microcarpa* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6(Sci. Nat.), 6(Bot.): 29 (Zimmtr. 29. 1847) (1849).
- R. amblyotis** C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6(Sci. Nat.), 6(Bot.): 30 (Zimmtr. 1847) (1849).—Crépin in Bull. Soc. Bot. Belg. 14: 38 (Prim. Monog. Ros. 332) (1875).—Iuzepchuk in Komarov, Fl. S. S. S. R. 10: 460 (1941).  
*Rosa kamtschatica* sensu Chamisso in Linnaea, 6: 590 (1831), non *R. kamtschatica* Ventenat (1800).  
*Rosa davurica* sensu Hultén, Fl. Kamtschat. 3: 89 (1929), non Pallas (1788).
- R. Marrettii** Lévillé in Repert. Sp. Nov. Reg. Veg. 8: 281 (1910).—Rehder in Jour. Arnold Arb. 13: 318 (1932).  
*Rosa rubro-stipullata* Nakai in Bot. Mag. Tokyo, 30: 242 (1916); Fl. Sylv. Kor. 7: 40, t. 13 (1918).
- R. pisocarpa** Gray in Proc. Am. Acad. Arts. Sci. 8: 382 (1872).—Rydberg in N. Am. Fl. 22: 522 (1918).
- R. Woodsii** Lindley, Ros. Monog. 21 (1820).—Rydberg in N. Am. Fl. 22: 521 (1918).  
*Rosa Maximiliani* Nees in Maximilian, Prinz Wied-Neuwied, Reise N.-Am. 2: 434 (1841).  
*Rosa foliolosa* var. *leiocarpa* Torrey in Frémont, Rep. Expl. Exp. Rocky Mts. 89 (1845), nom.  
*Rosa Macounii* sensu Rydberg, Fl. Colo. 191 (1906), non Greene (1899).  
*Rosa fimbriatula* Greene, Leaf. Bot. Obs. 2: 135 (1911).  
*Rosa Sandbergii* Greene, op. cit. 136 (1911).  
*Rosa deserta* Lunell in Am. Midland Nat. 2: 156 (1912).
- R. Woodsii** var. *Fendleri* (Crép.) Rehder in Bailey, Stand. Cycl. Hort. 5: 2993 (1916).



- Rosa Fendleri* Crépín in Bull. Soc. Bot. Belg. **15**: 91 (Prim. Monog. Ros. 452) (1876).—Rydberg in N. Am. Fl. **22**: 519 (1918).
- Rosa Woodsii Fendleri* Rydberg, Fl. Nebraska, **21**: 22 (1895).
- Rosa Woodsii* sensu Britton & Brown, Ill. Fl. N. U. S. **2**: 230, fig. 1969 (1897), non Lindley (1820).
- Rosa poetica* Lunell in Am. Midland Nat. **3**: 139 (1913).
- R. Macounii** Greene in Pittonia, **4**: 10 (1899).—Rydberg in N. Am. Fl. **22**: 525 (1918).
- Rosa Woodsii* sensu Lindley in Bot. Reg. **12**: t. 976 (1826).—S. Watson in Proc. Am. Acad. Arts Sci. **20**: 345 (1885), p. p. max.—Non Lindley (1820).
- Rosa grosseserrata* E. Nelson in Bot. Gaz. **30**: 119 (1900).
- Rosa Maximiliana* sensu Rydberg, Fl. Colo. 191 (1906), non Nees (1841).
- Rosa subnuda* Lunell in Am. Midland Nat. **2**: 153 (1912).
- Rosa naiadum* Lunell in op. cit. **3**: 139 (1913).
- R. ultramontana** (S. Wats.) A. Heller in Muhlenbergia, **1**: 107 (1904).
- Rosa blanda* sensu S. Watson in A. King, U. S. Geol. Expl. 40th Parall. **5**(Bot.): 91 (1871), p. p.; non Aiton (1789).
- Rosa californica* var. *ultramontana* S. Watson in Brewer & Watson, Bot. Calif. **1**: 187 (1876).
- Rosa pisocarpa* var. *ultramontana* M. E. Peck in Madroño, **6**: 134 (1941).
- R. californica** Chamisso & Schlechtendal in Linnaea, **2**: 35 (1827).—Crépín in Bull. Soc. Bot. Belg. **15**: 49 (Prim. Monog. Ros. 410) (1876).—Rydberg in N. Am. Fl. **22**: 515 (1918).—Willmott, Gen. Rosa, **1**: 223 [1911], tab. exclud.
- Rosa californica* a. *Chamissoniana* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6(Sci. Nat.), **6**(Bot.): 18 (Zimmtrös. 18. 1847) (1849).
- Rosa californica* β. *pubescens* Crépín in Bull. Soc. Bot. Belg. **15**: 52 (Prim. Monog. Ros. 413) (1876).
- R. californica** f. *plena* Rehder in Jour. Arnold Arb. **3**: 18 (1922).
- Rosa californica* Willmott, Gen. Rosa, **1**: 223, t. [1911], quoad pl. depict.
- Rosa californica flore pleno* Bean, Trees Shrubs Brit. Isl. **2**: 421 (1914).
- R. californica** f. *nana* (Bean), grad. nov.
- Rosa californica* var. *nana* Bean, Trees Shrubs Brit. Isl. **2**: 421 (1914).
- R. nutkana** Presl, Epimel. Bot. 203 (1851).—Crépín in Bull. Soc. Bot. Belg. **15**: 39 (Prim. Monog. Ros. 400) (1876).—Rydberg in N. Am. Fl. **22**: 511 (1918).
- Rosa fraxinifolia* sensu Borrer in Hooker, Fl. Bor.-Am. **1**: 199 [1834].—Torrey & Gray, Fl. N. Am. **1**: 460 [1843].—Non Borkhausen (1790), nec Lindley (1820).
- ?*Rosa caryocarpa* Douglas ex Crépín in Bull. Soc. Bot. Belg. **15**: 39 (Prim. Monog. Ros. 400) (1876), pro syn.
- Rosa Woodsii* sensu Regel in Act. Hort. Petrop. **5**: 299 (Tent. Ros. Monog. 15. 1877) (1878), non Lindley (1820).
- R. nutkana** var. *hispida* Fernald in Bot. Gaz. **19**: 335 (1894).
- Rosa MacDougalii* Holzinger in Bot. Gaz. **21**: 36 (1896).
- Rosa nutkana macdougalii* Piper in Contrib. U. S. Nat. Herb. **11**: 335 (1901); in Repert. Sp. Nov. Reg. Veg. **7**: 215 (1909).
- Rosa Spaldingii* var. *hispida* G. N. Jones in Madroño, **3**: 130, fig. 2 (1935).
- R. Spaldingii** Crépín in Bull. Soc. Bot. Belg. **15**: 42 (Prim. Monog. Ros. 403) (1876), nom. provis.—Rydberg in N. Am. Fl. **22**: 512 (1918).
- Rosa macrocarpa* Rafinesque, Med. Fl. **2**: 258 (1830), nom. subnud.; non Méral (1812).
- Rosa cinnamomea* sensu Borrer in Hooker, Fl. Bor.-Am. **1**: 200 [1834], non Linnaeus (1759).
- Rosa megacarpa* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 460 [1843], pro syn.
- R. oreophila** Rydberg in Bull. Torrey Bot. Club, **31**: 561 (1904); in N. Am. Fl. **22**: 513 (1918).
- Rosa Bakeri* Rydberg, Fl. Colo. 190, 191 (1906), non Déséglise (1864).
- R. corymbulosa** Rolfe in Bot. Mag. **140**: t. 8566 (1914).
- R. Davidi** Crépín in Bull. Soc. Bot. Belg. **13**: 253 (Prim. Monog. Ros. 260) (1874).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 322 (1915) "*Davidii*".
- R. Davidi** var. *elongata* Rehder & Wilson in op. cit. 323 (1915).—Byhouwer in Jour. Arnold Arb. **10**: 99 (1929).
- Rosa macrophylla* f. *robusta* Focke in Notes Bot. Gard. Edinb. **5**: 68 (1911).
- Rosa macrophylla* f. *gracilis* Focke in op. cit. 69 (1911), p. p. quoad Forrest no. 2336; non Vilmorin & Bois (1904), nom.
- Rosa Parmentieri* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 389 (1914).
- R. caudata** Baker in Willmott, Gen. Rosa, **2**: 495 [1914].
- R. banksiopsis** Baker in Willmott, op. cit. 503 [1914].
- R. macrophylla** Lindley, Ros. Monog. **35**, t. 6 (1920).—Crépín in Bull. Soc. Bot. Belg. **13**: 283 (Prim. Monog. Ros. 290) (1874).—Hooker f., Fl. Brit. Ind. **2**: 366 (1878).—Schneider, Ill. Handb. Laubh. **1**: 575, fig. 325q-q<sup>3</sup>, 327i (1905).
- ?*Rosa macrophylla* var. *minor* Lindley ex Wallich, Pl. As. Rar. **2**: 19 (1831).
- ?*Rosa Hookeriana* Bertoloni in Mem. Accad. Sci. Bologna, ser. 2, **2**: 172, t. 1 (Misc. Bot. **24**: 14) (1862).
- Rosa Hoffmeisteri* Klotzsch in Klotzsch & Garcke, Bot. Ergeb. Reise Prinz Waldem. **153**, t. 7 (1862).
- Rosa alpina* var. *macrophylla* Boulenger in Bull. Jard. Bot. Bruxell. **13**: 248 (1935).
- R. setipoda** Hemsley & Wilson in Kew Bull. **1906**: 158 (1906).—Rolfe in Bot. Mag. **140**: t. 8569 (1914).
- Rosa macrophylla* var. *crasseaculeata* Vilmorin in Jour. Hort. Soc. Lond. **27**: 487, fig. 135, 136 (1902).
- R. persetosa** Rolfe in Kew Bull. **1913**: 263 (1913).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 341 (1915).
- Rosa macrophylla* var. *acicularis* Vilmorin in Jour. Hort. Soc. Lond. **27**: 487, fig. 37, 38 (1902).
- Rosa macrophylla* ? f. *gracilis* Vilmorin & Bois, Frutic. Vilmor. **94** (1904), nom.
- Rosa Davidi* var. *persetosa* Boulenger in Bull. Jard. Bot. Bruxell. **13**: 254 (1935).
- R. Hemsleyana** Täckholm in Acta Hort. Berg. **7**: 150 (1922).—Boulenger in op. cit. **14**: 156 (1936).
- Rosa macrophylla* sensu Crépín in Bull. Soc. Bot. Ital. **1897**: 231 (1897), non Lindley (1820).
- Rosa setipoda* sensu Rolfe in Bot. Mag. **111**: t. 8569 (1914), p. p.—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 323 (1915).—Non Hemsley & Wilson (1906).

*Rosa* (continued)

- R. Sweginzowii** Koehne in Repert. Sp. Nov. Reg. Veg. **8**: 22 (1910); **11**: 531, fig. 3 (1913); in Mitt. Deutsch. Dendr. Ges. **1910**(19): 95, fig. 2 [1911?].—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 324 (1915).
- R. Murielae** Rehder & Wilson in op. cit. 326 (1915).
- R. Moyesii** Hemsley & Wilson in Kew Bull. **1906**: 159 (1906).  
*Rosa macrophylla* var. *rubrostaminea* Vilmorin in Jour. Hort. Soc. Lond. **27**: 490, fig. 139 (1902).  
*Rosa macrophylla* f. *gracilis* Focke, l. c. (1911), p. p.; quoad specim. Forrest 4442; non Vilmorin & Bois (1904), nom.
- R. Moyesii** f. *rosea* Rehder & Wilson in Sargent, Pl. Wilson. **2**: 325 (1915).—Byhouwer in Jour. Arnold Arb. **10**: 100 (1929).  
*Rosa holodonta* Stapf in Bot. Mag. **154**: t. 9248 (1931).  
*Rosa macrophylla* f. *parce glandulosa* Focke in Notes Bot. Gard. Edinb. **5**: 69 (1911).
- R. Moyesii** var. *Fargesii* Rolfe in Gard. Chron. ser. 3, **65**: 19, fig. 6 (1919), non *R. Fargesii* Boulenger.
- R. wintoniensis** (*R. Moyesii* × *setipoda*) Hillier, Cat. Hardy Rose-trees, **1935-36**: 28 (1935).
- R. highdownensis** (*R. Moyesii* × ?) [Hillier] in Gard. Chron. ser. 2, **84**: 242 (1928); **95**: 1, Suppl. t. (1934).—Hillier, Cat. Hardy Rose-trees, **1936-37**: 25 (1936).
- R. saturata** Baker in Willmott, Gen. Rosa, **2**: 503 (1914).
- R. bella** Rehder & Wilson in Sargent, Pl. Wilson **2**: 341 (1915).—Hu in Hu & Chun, Icon. Pl. Sin. **2**: t. 79 (1929).
- R. bella** f. *pallens* Rehder & Wilson in op. cit. 342 (1915).
- R. Webbiana** [Wallich, Num. List, no. 683 (1829), nom.—] Royle, Ill. Bot. Himal. **208**, t. 42, fig. 2 (1835).—Crépin in Bull. Soc. Bot. Belg. **13**: 275 (Prim. Monog. Ros. 280) (1874).—Boulenger in Bull. Jard. Bot. Bruxell. **13**: 198 (1935).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 464 (1941).  
*Rosa unguicularis* Bertoloni in Mem. Accad. Sci. Bologna, **12**: 235, t. 3 (Misc. Bot. **22**: 14) (1861).  
*Rosa Guilelmi-Waldemarii* Klotzsch in Klotzsch & Garcke, Bot. Ergeb. Reise Prinz. Waldem. **153**, t. 8 (1862).
- R. Fedtschenkoana** Regel in Act. Hort. Petrop. **5**: 314 (1878).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 465, t. 29, fig. 2 (1941).
- R. sertata** Rolfe in Bot. Mag. **139**: t. 8473 (1913).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 327 (1915).—Byhouwer in Jour. Arnold Arb. **10**: 100 (1929).  
*Rosa Webbiana* sensu Vilmorin & Bois, Frutic. Vilmor. **93** (1904), non Royle (1835).  
*Rosa macrophylla* f. *gracilis* Focke in Notes Bot. Gard. Edinb. **7**: 69 (1911) exclud. specim. Forrest 4442.  
*Rosa iochanensis* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 339 (1914).
- R. Giraldui** Crépin in Bull. Soc. Bot. Ital. **1897**: 232 (1897).—Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **17**: 294 (1910).
- R. Giraldui** var. *venulosa* Rehder & Wilson in Sargent, Pl. Wilson. **2**: 328 (1915).
- R. Prattii** Hemsley in Jour. Linn. Soc. Lond. Bot. **29**: 307, fig. 30 (1892).—Willmott, Gen. Rosa, **1**: 161 [1911].
- R. elegantula** Rolfe in Kew Bull. **1916**: 188 (1916).—Bean, Trees Shrubs Brit. Isl. **3**: 439 (1933).—Boulenger in Bull. Jard. Bot. Bruxell. **14**: 120 (1936).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 444 (1940).
- Rosa* "Farrer's Threepenny-bit Rose" Bowles in Gard. Chron. ser. 3, **81**: 147, fig. 70 (1927).
- Rosa Farreri* Stapf ex Cox, Pl. Introd. Reg. Farrer, **49** (1930), nom. subnud.—Stapf in Stearn in Jour. Bot. **70**(Suppl.): 18 (Sert. Cantab. Exsicc. no. 11) (1932); in Bot. Mag. **147**: t. 8877, p. [1] (1938).—Stearn in Gard. Chron. **94**: 237, fig. 112, 113 (1933).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 431 (1940).
- Rosa graciliflora* sensu Cox, Pl. Introd. Reg. Farrer, **49** (1830), non Rehder & Wilson (1914).
- Rosa Farreri* f. *persetosa* Stapf in Bot. Mag. **147**: t. 8877, p. [2] (1938).
- R. Forrestiana** Boulenger in Bull. Jard. Bot. Bruxell. **14**: 126, fig. 15 (1936).
- R. multibracteata** Hemsley & Wilson in Kew Bull. **1906**: 157 (1906).—Willmott, Gen. Rosa, **1**: 209 [1911].  
*Rosa reducta* Baker in Willmott, Gen. Rosa, **2**: 489, fig. 158 (1914).
- R. Willmottiae** Hemsley in Kew Bull. **1907**: 317 (1907).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 329 (1915).
- R. pruhoniciana** (*R. Moyesii* × *Willmottiae*) Kriechbaum in Gartenschönh. **6**: 38 (1925), nom. subnud.—[Schneider in] Dendr. Ges. Prag, Ziergeh. Staud. **1**: 1 (1926).  
*Rosa Hillieri* Hillier, Pl. Guide Cat. Hardy Rose Trees, **1935-36**: 25 (1935).
- R. gymnocarpa** Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 461 (1840).—Crépin in Bull. Soc. Bot. Belg. **15**: 72 (Prim. Monog. Ros. 433) (1876).—Rydberg in N. Am. Fl. **22**: 531 (1918).  
*Rosa spithamea* var. *subinermis* Engelmann in Bot. Gaz. **6**: 236 (1881).  
*Rosa glaucodermis* Greene, Leaf. Bot. Obs. **2**: 255 (1912).  
*Rosa abietorum* Greene, op. cit. 257 (1912).  
? *Rosa amplifolia* Greene, op. cit. 258 (1912).
- R. Alberti** Regel in Act. Hort. Petrop. **8**: 278 (1883).—Boulenger in Bull. Jard. Bot. Bruxell. **14**: 176 (1936).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 452, t. 29, fig. 1 (1941).
- R. Beggeriana** Schrenk ex F. E. L. Fischer & Meyer, Enum. Pl. Nov. Schrenk, **73** (1841).—Crépin in Bull. Soc. Bot. Belg. **14**: 15 (Prim. Monog. Ros. 309) (1875).—Keller in Verh. Bot. Ver. Brandenb. **46**: 92 (1904).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 462, t. 29, fig. 3 (1941).  
*Rosa Silverhjelmii* Schrenk in Bull. Acad. Sci. St. Pétersb. **2**: 195 (1847).  
*Rosa Lehmanniana* Bunge in Mém. Sav. Etr. Acad. Sci. St. Pétersb. **7**: 287 (Alexandri Lehmann Reliq. Bot. **111**. 1851) (1854).  
*Rosa Regelii* Reuter, Cat. Grain. Jard. Bot. Genève, **1867**: 4 (1867).  
*Rosa Beggeriana* var. *a. genuina* Crépin in Bull. Soc. Bot. Belg. **14**: 20 (Prim. Monog. Ros. 314) (1875).  
*Rosa Beggeriana* var. *β. Silverhjelmii* et *γ. Lehmanniana* Crépin, l. c. (l. c.) (1875).  
*Rosa cinnamomea* f. *Sewerzowii* Regel in Act. Hort. Petrop. **5**: 326 (Tent. Ros. Monog. **42**, 1877) (1878).  
*Rosa Beggeriana* a. *typica* Regel in op. cit. 370 (86. 1877) (1878).

- Rosa laxa* δ. *alata*vica, ε. *karatavica*, ζ. *Sewerzowi* Regel in op. cit. 331 (47. 1877) (1878).
- Ser. 6. *SYNSTYLAE* (DC.), grad. nov.
- Rosa* sect. *Synstylae* De Candolle, Cat. Hort. Monspel. 137 (1813). — De Candolle ex Seringe, Mus. Helv. Hist. Nat. 1: 2 [1818] "(sect.) *Synstyleae*". — Seringe in De Candolle, Prodr. 2: 597 (1825) "sect." — Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 49, 55 (1861) "sect."
- Rosa* groupe *Floridae* Thory, Prodr. Monog. Ros. 35 (1820).
- Rosa* div. *Systylae* Lindley, Monog. Ros. 111 (1820).
- Rosa* Ser. *Willdenowiana* Trattinnick, Rosac. Monog. 2: 94 (1823).
- Rosa* E. *Stylares* Kirschleger, Prodr. Fl. Alsace, 54 (1836), nom. subnud.
- Rosa* groupe *Corymbiferae* K. Koch, Dendr. 264 (1869).
- R. multiflora** Thunberg, Fl. Jap. 214 (1784). — Lindley, Ros. Monog. 119 (1820). — Crépin in Bull. Soc. Bot. Belg. 13: 250 (Prim. Monog. Ros. 257) (1874); 18: 277 (523) (1879).
- Rosa Thunbergii* Trattinnick, Rosac. Monog. 1: 86 (1823).
- ?*Rosa Linkii* Dehnhardt [in] Rivista Napol. 1, 3: 164 (18..?) ex Walpers, Repert. Bot. Syst. 2: 12 (1843). — Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 253 (1887), pro syn.
- Rosa polyantha* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 128 (Fl. Jap. Fam. Nat. 1: 20. 1843) (1844), non Rössig (1799, 1802).
- Rosa intermedia* Carrière in Rev. Hort. 1868: 269, fig. 29, 30 (1868). — Crépin in Bull. Soc. Bot. Belg. 8: 344 (Prim. Monog. Ros. 123) (1874); 18: 277 (523) (1879).
- Rosa Wichurae* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 12: 201 (1869).
- Rosa thyrsoflora* Leroy ex Déséglise in Bull. Soc. Bot. Belg. 15: 204 (1876).
- Rosa Franchetii* var. *paniculigera* (Makino) Koidzumi in Bot. Mag. Tokyo, 31: 131 (1917).
- Rosa Dawsoniana* Ellwanger & Barry ex Rehder in McFarland, Modern Ros. II. 205 (1940), pro syn.
- R. multiflora** [var.] *Thunbergiana* Thory in Redouté, Roses, 2: 70 [1820].
- Rosa multiflora* a. *genuina* Franchet & Savatier, Enum. Pl. Jap. 1: 134 [1873], nom.; 2: 343 [1878].
- R. multiflora** var. *calva* Franchet & Savatier, Enum. Pl. Jap. 1: 135 [1873]; 2: 344 [1878] "η."
- Rosa multiflora* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 100 (Enum. Pl. Chin. Bor. 26. 1833), (1835), non Thunberg (1784).
- Rosa calva* Boulenger in Bull. Jard. Bot. Bruxell. 9: 268 (1933).
- R. multiflora** f. *roseiflora* (Focke) Rehder in Jour. Arnold Arb. 27: 171 (1946).
- Rosa multiflora* v. *roseiflora* Focke ex Baenitz, Herb. Dendrol. in sched. (coll. 1902), in herb. Arnold Arb.
- Rosa multiflora* var. *Dawsoniana* hort. Rochester (Highland Park, Rochester, N. York), in herb. Arnold Arb.
- R. multiflora** var. *cathayensis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 304 (1915). — Byhouwer in Jour. Arnold Arb. 10: 85 (1929). — Rehder in Jour. Arnold Arb. 13: 311 (1932).
- Rosa multiflora* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 253 (1887), p. p.; non Thunberg (1784).
- Rosa cathayensis* Bailey in Gent. Herb. 1: 29 (1920). — Hu in Hu & Chun, Icon. Pl. Sin. 2: 26, t. 76 (1929).
- Rosa Uchiyamana* Makino in Bot. Mag. Tokyo, 40: 570 (1926), p. p.
- Rosa calva* var. *cathayensis* Boulenger in Bull. Jard. Bot. Bruxell. 9: 271 (1933).
- Rosa multiflora* var. *Gentiliana* (Lévl. & Van.) Yü & Tsai in Bull. Fan. Mem. Inst. Biol. 7: 117 (1936), non *R. Gentiliana* Lévl. & Vant. (1908).
- R. multiflora** var. *carnea* Thory in Redouté, Roses, 2: 67, 70, t. (1821) "γ." p. 70. — Rehder & Wilson in Sargent, Pl. Wilson. 2: 305 (1915). — Byhouwer in Jour. Arnold Arb. 10: 85 (1929). — Rehder in Jour. Arnold Arb. 13: 311 (1932).
- Rosa multiflora* sensu Sims in Bot. Mag. 26: t. 1059 (1807), non Thunberg (1784).
- Rosa diffusa* Roxburgh, Hort. Bengal. 92 (1814), nom.; Fl. Ind. ed. [2], 2: 515 (1832).
- Rosa florida* Poirét, Encycl. Méth. Bot. Suppl. 4: 715 (1816).
- Rosa Grevillii* Sweet, Hort. Brit. 138 (1827), nom.
- Rosa Roxburghii* Sweet, l. c. (1827), nom.; non Trattinnick (1823).
- Rosa rubeoides* Andrews, Roses, 2: t. 84 (1828).
- Rosa multiflora* β. *plena* Regel in Act. Hort. Petrop. 5: 368 (Tent. Ros. Monog. 84. 1877) (1878).
- Rosa centifolia* sensu Focke in Notes Bot. Gard. Edinb. 5: 66 (1911), non Linnaeus (1753).
- ?*Rosa multiflora* var. *Thunbergii* Bean, Trees Shrubs Brit. Isl. 2: 436 (1914).
- Rosa Lebrunei* Léveillé in Bull. Acad. Intern. Géog. Bot. 25: 46 (1915).
- Rosa Blinii* Léveillé, l. c. (1915).
- Rosa macrophylla* var. *hypoleuca* Léveillé, Fl. Kouy-Tchéou, 354 (1915), nom.
- R. multiflora** f. *platyphylla* (Thory) Rehder & Wilson in Sargent, Pl. Wilson. 2: 306 (1915) "var. *carnea* f. *pl.*"
- Rosa multiflora* var. *platyphylla* Thory in Redouté, Roses, 2: 69, t. (1821).
- Rosa Thoryi* Trattinnick, Rosac. Monog. 1: 85 (1823).
- Rosa platyphylla* (Red.) Takasima in Jour. des Ros. 10: 104, t. 5 (1886). — Anon. in Rev. Hort. 1886: 436 (1886). — Non Rau (1816).
- R. Iwara** [*R. multiflora* × *rugosa*] Siebold ex Regel in Gartenfl. 9: 326 (1860); in Ind. Sem. Hort. Petrop. 1860: 53 (1861). — Willmott, Gen. Rosa, 1: 193, t. [1911].
- Rosa Iwara* K. Koch in Ind. Sem. Hort. Berol. 1867 (App.) 1: 9 (1867).
- Rosa Ywara* Carrière in Rev. Hort. 1876: 357, fig. 78 (1876).
- Rosa Iwara* β. *yessoensis* Franchet & Savatier, Enum. Pl. Jap. 2: 346 [1878].
- Rosa yessoensis* (Franch. & Sav.) Makino in Bot. Mag. Tokyo, 19: 150 (1905).
- R. multiflora** × *chinensis* Rehder in Bailey, Cycl. Am. Hort. [4]: 1549 (1902).
- Rosa polyantha* Carrière in Rev. Hort. 1876: 253, fig. 49–53 (1876); 1884: 501, fig. 109 (1884); non Roessig (1799), nec Siebold & Zuccarini (1843).
- Rosa polyantha* var. (*R. multiflora* × *chinensis*) "Crimson Rambler" Willmott, Gen. Rosa, 1: 31 [1910].
- R. multiflora** × ?*Noisettiana* Viviani-Morel in Lyon Horticole, 13: 337 (1891) "*R. multiflora* × ?*Rose de Noisette*".
- Rosa polyantha grandiflora* Bernaix ex Schultheis in Möller's Deutsch. Gärt.-Zeit. 2: 53, fig. (1887). — Willmott, Gen. Rosa, 1: 34 in textu (1910).

- Rosa multiflora**  $\times$  ?*Noisettiana* (continued)  
 ?*Rosa multiflora*  $\times$  *moschata* Rehder, Man. Cult. Trees Shrubs, 431 (1927).
- R. Dawsoniana** [Hort.] [*R. multiflora*  $\times$  *borboniana*] Rehder in McFarland, Modern Roses, II. 199 (1940) "*R. multiflora*  $\times$  Général Jacqueminot".  
*Rosa* "Dawson" Anon. in Gard. & For. 6: 314, fig. 47, 48 (1893).  
*Rosa Dawsoniana* Rehder in Bailey, Cycl. Am. Hort. [4]: 1549 (1902); in Bailey, Stand. Cycl. Hort. 5: 2985 (1916); nom. subnud. — Olbrich in Gartenwelt, 7: 125, fig. (1903). — Non Ellwanger & Barry (pro syn. sub *R. multiflora*).  
*Rosa multiflora*  $\times$  *borboniana* Rehder, Man. Cult. Trees Shrubs, 431 (1927).
- R. Watsoniana** Crépin in Bull. Soc. Bot. Belg. 27: 96 (1888); in Rev. Hort. Belg. 14: 183, fig. 16 (1888).  
*Rosa multiflora* var. *Watsoniana* Matsumura in Bot. Mag. Tokyo, 10: 165 (1896).
- R. setigera** Michaux, Fl. Bor.-Am. 1: 295 (1803). — Rydberg in N. Am. Fl. 22: 491 (1918).  
*Rosa rubifolia*  $\beta$ . *fenestralis* Lindley, Ros. Monog. 123 (1820).  
*Rosa trifoliata* Rafinesque in Ann. Gén. Sci. Phys. 5: 213 (1820).  
*Rosa fenestrata* Donn, Hort. Cantab. ed. 7, 154 (1812); ed. 8, 170 (1815); nom. — Trattinick, Rosac. Monog. 2: 187 (1823).  
 ?*Rosa setigera* var. *pubescens* Rafinesque in Ann. Gén. Sci. Phys. 5: 213 (1820). — De Candolle, Prodr. 2: 599 (1825) " $\beta$ ".  
*Rosa setigera* a. *glabra* Torrey & Gray, Fl. N. Am. 1: 458 (1840).
- R. setigera** f. *inermis* Palmer & Steyermark in Ann. Missouri Bot. Gard. 22: 569 (1935).
- R. setigera** var. *serena* Palmer & Steyermark, l. c. (1935).
- R. setigera** var. *tomentosa* Torrey & Gray, Fl. N. Am. 1: 458 (1840).  
*Rosa rubifolia* R. Brown ex Aiton f., Hort. Kew. ed. 2, 3: 260 (1811).  
*Rosa kentukensis* Rafinesque in Ann. Gén. Sci. Phys. 5: 213 (1820).  
*Rosa cursor* Rafinesque in op. cit. 215 (1820).  
*Rosa mutabilis* Bradbury ex E. James, Account Long's Exp. Rocky Mts. 1: 69 (1823), non Dumont de Courset (1811).
- R. anemoneflora** Fortune ex J. Lindley in Jour. Hort. Soc. Lond. 2: 315 (1847). — Hérincq in Rev. Hort. 1849: 281, t. (1849) "*anemoneflora*". — Crépin in Bull. Soc. Bot. Belg. 22, 2: 45 (1883) "*anemoneflora*". — R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 1: 35 (1900) "*anemoneflora*". — Rehder & Wilson in Sargent, Pl. Wilson. 2: 336 (1915).  
*Rosa sempervirens*  $\beta$ . *anemoneflora* Regel in Act. Hort. Petrop. 5: 367 (Tent. Ros. Monog. 83. 1877) (1878).  
*Rosa triphylla* Roxburgh ex Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 247 (1887), pro syn. — Rehder, Man. Cult. Trees Shrubs, ed. 2, 446 (1940). — Vix Roxburgh ex Lindley (1820), nom. subnud.
- R. Helenae** Rehder & Wilson in Sargent, Pl. Wilson. 2: 310 (1915). — Boulenger in Bull. Jard. Bot. Bruxell. 9: 247 (1933).  
*Rosa moschata* var. *micrantha* Crépin in Bull. Soc. Bot. Belg. 18: 302 (Prim. Monog. Ros. 548) (1879).
- Rosa floribunda* Baker in Willmott, Gen. Rosa, 2: 513 (1914). — Rolfe in Gard. Chron. ser. 3, 58: 210, fig. (1915). — Non Steven ex Besser (1811), nec Andrews (1805-28), nec Waitz (1811).  
*Rosa moschata* var. *Helenae* Cardot in Bull. Mus. Hist. Nat. Paris, 23: 117 (1917).
- R. Rubus** Lévillé & Vaniot in Bull. Soc. Bot. France, 55: 55 (1908). — Rehder in Jour. Arnold Arb. 13: 312 (1932); 17: 338 (1936).  
*Rosa moschata* var. *hupehensis* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 295 (1910).  
*Rosa Ernestii* Stapf ex Bean, Trees Shrubs Brit. Isl. 3: 349 (1933). — F. C. Stern in Jour. Hort. Soc. Lond. 65: 387, fig. 102 (1940).
- R. Mulligani** Boulenger in Bull. Jard. Bot. Bruxell. 14: 274 (1937).
- R. glomerata** Rehder & Wilson in Sargent, Pl. Wilson. 2: 309 (1915). — Boulenger in Bull. Jard. Bot. Bruxell. 9: 251 (1933).
- R. Brunonii** Lindley, Ros. Monog. 120, t. 14 (1820). — Crépin in Bull. Soc. Bot. Belg. 18: 287 (Prim. Monog. Ros. 533. 1880) (1879), pro syn. — Rehder & Wilson in Sargent, Pl. Wilson. 2: 306 (1915). — Byhouwer in Jour. Arnold Arb. 10: 87 (1929).  
*Rosa Brownii* Trattinick, Ros. Monog. 2: 96 (1823).  
*Rosa moschata* var. *nepalensis* Lindley in Bot. Reg. 10: t. 829 (1824). — Willmott, Gen. Rosa, 1: 37, t. (1910).  
*Rosa Brunonis* Wallich, Num. List. no. 689 [1829], nom.  
*Rosa pubescens* Roxburgh, Hort. Bengal. app. (Cat. Pl. Descr. Roxburgh) [92] (1813), nom.; Fl. Ind. ed. [2], 2: 514 (1832), non Léman (1818).  
*Rosa moschata* sensu Brandis, Forest Fl. Brit. Ind. 201 (1874). — Hooker f., Fl. Brit. Ind. 2: 367 (1879). — Non Miller (1768).  
*Rosa macrophylla* sensu Lévillé, Cat. Pl. Yun-Nan, 235 (1917), non Lindley (1820).
- R. moschata** Herrmann, Diss. Bot.-Med. Rosa, 15 (1762). — Miller, Gard. Dict. ed. 8, R. no. 13 (1768). — Boissier, Fl. Or. Suppl. 229 (1888), p. p. — Boulenger in Bull. Jard. Bot. Bruxell. 9: 222 (1933), p. p.  
*Rosa ruscinonensis* Grenier & Déséglise in Billottia, 1: 33 (1864).
- R. moschata** f. *plena* (Weston), grad. nov.  
*Rosa moschata* 3. *plena* Weston, Bot. Univ. 1: 250 (1770).  
*Rosa moschata* fl. *sempileno* Thory in Redouté, Roses, 1: 99, t. [1818].
- R. moschata** var. *nastarana* Christ in Boissier, Fl. Or. Suppl. 229 (1888). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 308 (1915).  
*Rosa Pissarti* Carrière in Rev. Hort. 1880: 314, fig. 62, 63 (1880); 1888: 446 (1888) "*Pissardi*".  
*Rosa moschata* var. *Pissardii* Bean, Trees Shrubs Brit. Isl. 2: 435 (1914).
- R. Dupontii** (*R. moschata*  $\times$  *gallica*) Déséglise in Mém. Soc. Acad. Maine-et-Loire, 10: 58 (1861). — Crépin in Bull. Soc. Bot. Belg. 33, 1: 117 (1894).  
*Rosa moschata* e. *nivea* Lindley in Bot. Reg. 10: t. 861 (1825).  
*Rosa nivea* Dupont ex Lindley, l. c. (1825), pro syn.  
*Rosa Freundiana* Graebner in Gartenfl. 57: 470, fig. 60 (1908).
- R. longicuspis** Bertoloni in Mem. Accad. Sci. Bologna, 11: 101, t. 13 (Misc. Bot. 21: 15) (1861). — Crépin in Bull.

- Soc. Bot. Belg. **13**: 255 (Prim. Monog. Ros. 262) (1874); **18**: 295 (541. 1880) (1879).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 313 (1915), exclud. syn. *R. Sinowilsoni*.—Byhouwer in Jour. Arnold Arb. **10**: 88 (1929), exclud. syn. *R. Sinowilsoni*.—Rehder in Jour. Arnold Arb. **13**: 314 (1932).
- Rosa moschata* var. *yunnanensis* Crépín in Bull. Soc. Bot. Belg. **25,2**: 8 (1886).
- Rosa irridens* Focke in Notes Bot. Gard. Edinb. **5**: 66 (1911).
- Rosa Soulieana* sensu Focke in op. cit. **5**: 70 (1911), non Crépín (1896).
- ?*Rosa Willmottiana* Léveillé in Repert. Sp. Nov. Reg. Veg. **11**: 299 (1912).—Willmott, Gen. Rosa, **2**: 521, t. (1914).—Boulenger in Bull. Jard. Bot. Bruxell. **9**: 232 (1933).
- Rosa Charbonneaui* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 338 (1914).
- Rosa lucens* Paul & Son, Rose Cat. **1915-16**: 15 (1915).
- R. Sinowilsoni** Hemsley in Kew Bull. **1906**: 158 (1906).—Willmott, Gen. Rosa, **1**: 73, t. [1910].
- R. cerasocarpa** Rolfe in Bot. Mag. **142**: t. 8688 (1916).
- R. Maximowicziana** Regel in Act. Hort. Petrop. **5**: 378 (Tent. Ros. Monog. 94. (1877). (1878).—Nakai, Fl. Sylv. Kor. **7**: 26, t. 1 (1918).—Rehder in Jour. Arnold Arb. **13**: 312 (1932).—Iuzepchuk in Komarov, Fl. S. S. S. R. **10**: 442, t. 27, fig. 1 (1941).
- Rosa Luciae* var. *aculeatissima* Crépín ex Regel in Act. Hort. Petrop. **5**: 378 (Tent. Ros. Monog. 94. 1817) (1878), pro syn.—Crépín in Bull. Soc. Bot. Belg. **18**: 282 (Prim. Monog. Ros. 528. 1880) (1879), pro syn.
- Rosa Fauriei* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 199 (1909), p. p. typica.
- Rosa granulosa* Keller in Bot. Jahrb. **44**: 47 (1909).
- Rosa spinosissima* var. *mandshurica* Yabe, Enum. Pl. S. Manchur. **70** (1912).
- R. Maximowicziana** var. **Jackii** (Rehd.) Rehder in Jour. Arnold Arb. **3**: 209 (1922).
- Rosa coreana* Keller in Bot. Jahrb. **44**: 47 (1909), non *R. koreana* Komarov (1901).
- Rosa Kellersi* Baker in Willmott, Gen. Rosa, **1**: 75 (1910), non Dalla Torre & Sarntheim (1909).
- Rosa Jackii* Rehder in Mitt. Deutsch. Dendr. Ges. **1910** (19): 259 [1911?]; in Repert. Sp. Nov. Reg. Veg. **13**: 363 (1914).
- Rosa granulosa* var. *coreana* Nakai, [Veg. Isl. Quelpaert] **53**, no. 734 [1915?], nom.
- Rosa Maximowicziana* Nakai, Fl. Sylv. Kor. **7**: 26, t. 3 (1918), p. p., quoad syn. *R. Jackii* et tab. 3.
- R. Maximowicziana** var. **pilosa** (Nakai) Nakai, Fl. Sylv. Kor. **7**: 27 (1918).
- Rosa Jackii* var. *pilosa* Nakai in Bot. Mag. Tokyo, **30**: 236 (1916).
- R. Henryi** Boulenger in Ann. Soc. Sci. Bruxell. **53**: 143 (1933); in Bull. Jard. Bot. Bruxell. **9**: 231 (1933).
- Rosa Gentiliana* sensu Rehder & Wilson in Sargent, Pl. Wilson. **2**: 312 (1915).—Handel-Mazzetti, Symb. Sin. **7**: 525 (1933).—Non Léveillé & Vaniot (1908) \*)
- Rosa moschata* var. *densa* Vilmorin in Jour. Hort. Soc. Lond. **27**: 484, fig. 134 (1902).
- \*) *Rosa adenoclada* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 431 (1912).—Rehder in Jour. Arnold Arb. **13**: 314 (1932); **17**: 339 (1936).—Boulenger in Bull. Jard. Bot. Bruxell. **9**: 232 (1933), nota sub *R. Henryi*.—Non Hy (1895).—This species cited by Rehder & Wilson in Sargent, Pl. Wilson. **2**: 312 (1915) under *R. Gentiliana* hardly belongs to the Synstylae and is probably a hybrid.
- R. filipes** Rehder & Wilson in Sargent, Pl. Wilson. **2**: 311 (1915).—Stapf in Bot. Mag. **147**: t. 8894 (1938).
- R. crocakantha** Boulenger in Bull. Jard. Bot. Bruxell. **14**: 276 (1937).
- R. phoenicia** Boissier, Diagn. Pl. Or. Nov. **10**: 4 (1849); Fl. Or. **2**: 688 (1872).—Crépín in Bull. Soc. Bot. Belg. **18**: 318 (Prim. Monog. Ros. 564. 1880) (1879).
- R. Soulieana** Crépín in Bull. Soc. Bot. Belg. **35,2**: 21 (1896).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 314 (1915).
- Rosa moschata* var. *yunnanensis* sensu Focke in Notes Bot. Gard. Edinb. **5**: 69 (1911), non Crépín (1886).
- R. Wichuraiana** Crépín in Bull. Soc. Bot. Belg. **25**: 189 (1886).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 335 (1915), p. p.—Rehder in Jour. Arnold Arb. **13**: 311 (1932).
- Rosa Luciae* Franchet & Rochebrune ex Crépín in Bull. Soc. Bot. Belg. **10**: 323 (1871), p. p.—Hooker f. in Bot. Mag. **51**: t. 7421 (1895).—Nakai, Fl. Sylv. Kor. **7**: 28, t. 2 (1918), p. p.
- Rosa Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 199 (1909), p. p. typ.
- Rosa mokenensis* Léveillé in op. cit. **340** (1909), p. p.
- Rosa Luciae* var. *Wichuraiana* Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 234 (1913).—Boulenger in Bull. Jard. Bot. Bruxell. **9**: 264 (1933).
- Rosa Luciae* var. *Taquetiana* Boulenger in op. cit. **267** (1933).
- R. Jacksonii** (*R. rugosa* × *Wichuraiana*) Willmott, Gen. Rosa, **1**: 63, t. (1910).
- R. Barbierana** (*R. [multiflora* × *chinensis* "Crimson Rambler"] × [*Wichuraiana*]) Rehder in Jour. Arnold Arb. **3**: 11 (1922).
- Rosa Wichuraiana rubra* André in Rev. Hort. **1900**: 305 (1900); **1901**: 20, t. (1901).
- R. Luciae** Franchet & Rochebrune [ex Crépín] in Bull. Soc. Bot. Belg. **10**: 324 (1871), p. p. typ.—Franchet & Savatier, Enum. Pl. Jap. **1**: 135 [1873]; **2**: 344 [1878], p. p.—Nakai, Fl. Sylv. Kor. **7**: 28 (1918), p. p.—Boulenger in Bull. Jard. Bot. Bruxell. **9**: 261 (1933).
- Rosa sempervirens* sensu Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4,2**: 20 (Fl. Jap. Fam. Nat. **1**: 128) (1845), non Linnaeus (1753).
- Rosa Wichuraiana* Crépín in herb. ex [Crépín in] Bull. Soc. Bot. Belg. **10**: 324 (1871), pro syn.
- Rosa multiflora* a. *legitima* Regel in Act. Hort. Petrop. **5**: 368 (Tent. Ros. Monog. 84) (1878), p. p.
- Rosa Uchiyamana* Makino in Bot. Mag. Tokyo, **22**: 169 (1908), p. p.
- Rosa Luciae* var. *Fujisanensis* Makino in op. cit. **23**: 148 (1909).
- Rosa fujisanensis* Makino in op. cit. **27**: 151 (1913).
- Rosa jasminoides* Koidzumi in Bot. Mag. Tokyo, **31**: 129 (1917).
- Rosa Francheti* Koidzumi in op. cit. **131** (1917).
- Rosa hakonenensis* Koidzumi in op. cit. **37**: 16 (1923), p. p.
- R. sempervirens** Linnaeus, Sp. Pl. 492 (1753).—Crépín in Bull. Soc. Bot. Belg. **18,1**: 310 (Prim. Monog. Ros. 556) (1879); **25,2**: 202 (1886); **31,2**: 71 (1892).—R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 36 (1900).
- Rosa alba* Allioni, Fl. Pedem. **2**: 139 (1785), non Linnaeus (1753).

**Rosa sempervirens** (*continued*)

- Rosa balearica* Persoon, Syn. Pl. 2: 49 [1806].  
*Rosa atrovirens* Viviani, Fl. Ital. Frag. 1: 4 (1808).  
*Rosa sempervirens* A. I. a. 1. *typica* R. Keller in Ascher-  
 son & Graebner, Syn. Mitteleur. Fl. 6,1: 37 (1900).—  
 Schneider, Ill. Handb. Laubh. 1: 544 (1905) "var."  
**R. sempervirens** var. **prostrata** Desvauz in Jour. de Bot.  
 (Desvauz) 2: 113 (1813) "γ."  
*Rosa prostrata* De Candolle, Cat. Hort. Monspel. 138  
 (1813).  
*Rosa Arvensis* f. *prostrata* Thory, Prodr. Gen. Ros. 135  
 (1820).  
*Rosa sempervirens* β. *lelostyla* Koch, Syn. Fl. Germ.  
 Helv. ed. 2, 1: 255 (1843).  
**R. sempervirens** var. **scandens** (Mill.) De Candolle in  
 Lamarck & De Candolle, Fl. Franç. 5: 533 (1815).—  
 Seringe in De Candolle, Prodr. 2: 597 (1825) "α."—  
 Schneider, Ill. Handb. Laubh. 1: 544 (1905) "f."  
*Rosa scandens* Miller, Gard. Dict. ed. 8, R. no. 8 (1768).  
**R. arvensis** Hudson, Fl. Angl. 192 (1762).—Crépin in  
 Bull. Soc. Bot. Belg. 18,1: 323 (Prim. Monog. Ros.  
 569) (1879).—R. Keller in Ascher-son & Graebner.  
 Syn. Mitteleur. Fl. 6,1: 38 (1900).  
*Rosa silvestris* Herrmann, Diss. Bot.-Med. Rosa, 10  
 (1762).  
*Rosa repens* Scopoli, Fl. Carniol. ed. 2, 1: 355 (1772).  
*Rosa serpens* Wibel, Prim. Fl. Werth. 265 (1799).  
*Rosa arvensis* a. *vulgaris* Seringe in De Candolle, Prodr.  
 2: 597 (1825).  
*Rosa arvensis* Huds. b. *sphenocarpa* et c. *corymbosa* Dier-  
 bach in Mag. Pharm. 20: 60 (Uebers. Heidelb. Wildw.  
 Pfl.) (1827).  
*Rosa Dierbachiana* Waitz in litt. ex Dierbach, l. c. (1827),  
 pro syn.  
*Rosa arvensis* A. I. a. 1. a. 1. *typica* R. Keller in Ascher-  
 son & Graebner, Syn. Mitteleur. Fl. 6,1: 40 (1900).  
**R. arvensis** var. **ayreshirea** Seringe in De Candolle, Prodr.  
 2: 597 (1825).  
*Rosa capreolata* Neill in Edinb. Philos. Jour. 2: 104  
 (1820).  
*Rosa arvensis* var. *scandens* Sweet, Hort. Brit. 138  
 (1826).  
*Rosa repens capreolata* Nicholson, Ill. Dict. Gard. 3: 323  
 [1886].  
*Rosa arvensis* var. *capreolata* Bean, Trees Shrubs Brit.  
 Isl. 2: 419 (1914).  
**R. ruga** (*R. arvensis* × *chinensis*) Lindley in Bot. Reg.  
 16: t. 1389 (1830).  
*Rosa arvensis* × *chinensis* Ascher-son & Graebner, Syn.  
 Mitteleur. Fl. 6,1: 46 (1900).  
**R. Polliniana** (*R. arvensis* × *gallica*) Sprengel, Pl. Min.  
 Cogn. Pug. 2: 66 (1813).  
*Rosa arvina* Schwenkf. ex Krocke, Fl. Siles. 2: 150  
 (1790).  
 ?*Rosa hybrida* Schleicher, Cat. Pl. Helv. ed. 3, 24 (1815),  
 nom.  
*Rosa geminata* Rau, Enum. Ros. Wirceb. 98, 169 (1816).  
*Rosa gallica hybrida* Gaudin msc. ex Seringe, Mém. Bot.  
 1: 39 (1818).  
*Rosa germanica* Märklin ex Dierbach in Mag. Pharm. 20:  
 61 (Uebers. Heidelb. Wildw. Pfl.) (1827), pro syn.  
*Rosa gallica* × *arvensis* Crépin in Bull. Soc. Bot. Belg.  
 18,1: 347 (Prim. Monog. Ros. 593. 1880) (1879).—  
 R. Keller in Ascher-son & Graebner, Syn. Mitteleur. Fl.  
 6,1: 363 (1902).

## Ser. 7. CHINENSES (Ser.), grad. nov.

- Rosa* (sect.) *Chinenses* De Candolle ex Seringe, Mus.  
 Helv. Hist. Nat. 1: 2 [1818], p. p. typ.  
*Rosa* div. *Caninae* Lindley, Ros. Monog. 97 (1820), p. p.  
*Rosa* groupe *Indicae* Thory, Prodr. Gen. Ros. 128 (1820),  
 p. p.—Crépin in Bull. Soc. Bot. Belg. 11: 22 (Prim.  
 Monog. Ros. 138) (1872) "sect."—R. Keller in Ascher-  
 son & Graebner, Syn. Mitteleur. Fl. 6,1: 45 (1900)  
 "A. II."  
*Rosa* Ser. *Smithiana* Trattinnick, Rosac. Monog. 1: 88  
 (1823).  
*Rosa* Gruppe *Nobiles* K. Koch, Dendr. 1: 272 (1869),  
 non K. Koch (1853).  
**R. odorata** (Andrews) Sweet, Hort. Suburb. Lond. 119  
 (1818).—Rehder & Wilson in Sargent, Pl. Wilson. 2:  
 338 (1915).—Byhouwer in Jour. Arnold Arb. 10: 93  
 (1920).  
*Rosa indica odorata* Andrews, Roses, 2: t. 77 [1810?].  
*Rosa indica fragrans* Thory in Redouté, Roses, 1: 61, t.  
 19 (1817).—Seringe in De Candolle, Prodr. 2: 600  
 (1825) "δ."  
*Rosa indica* β. *odoratissima* Lindley, Ros. Monog. 106  
 (1820); in Bot. Reg. 10: t. 804 (1824).  
*Rosa odoratissima* Sweet ex Lindley, l. c. (1820), pro syn.  
*Rosa Thea* Savi, Fl. Ital. 2: t. 47 (1822).  
*Rosa indica sulphurea* Andrews, Roses, 2: t. 86 [1826?]  
*Rosa bengalensis* a. *odorata* et β. *odoratissima* Wallroth,  
 Rosae Gen. Hist. 107 (1828).  
*Rosa fragrans* Thory in Redouté, Roses, ed. 3, 3: gr. 25,  
 t. [17] (1835), in tab. tantum.—K. Koch, Dendr. 1:  
 273 (1869).  
*Rosa chinensis* a. *indica* (Lindl.) Koehne, Deutsche  
 Dendr. 281 (1893), p. p.  
*Rosa chinensis* var. *fragrans* Rehder in Bailey, Cycl. Am.  
 Hort. [4]: 1551 (1902).—Schneider, Ill. Handb.  
 Laubh. 1: 546 (1905) "subsp."  
*Rosa gechoutangensis* Léveillé in Repert. Sp. Nov. Reg.  
 Veg. 11: 299 (1912).  
*Rosa oulengensis* Léveillé, l. c. (1912).—Willmott, Gen.  
 Rosa, 2: 523, t. (1914).  
*Rosa tongtchouanensis* Léveillé in op. cit. 300 (1912).—  
 Willmott, l. c., t. (1914).  
**R. odorata** f. **ochroleuca** (Lindl.) Rehder in Mitt.  
 Deutsch. Dendr. Ges. 1915(24): 221 [1916, Jan.?]; in  
 Bailey, Stand. Cycl. Hort. 5: 2987 (1916, Oct.) "var."  
*Rosa indica* var. *ochroleuca* Lindley in Trans. Hort. Soc.  
 Lond. 6: 286 (1826).  
**R. odorata** var. **pseudindica** (Lindl.) Rehder in Mitt.  
 Deutsch. Dendr. Ges. 1915(24): 221 [1916].—By-  
 houwer in Jour. Arnold Arb. 10: 94 (1929).  
*Rosa* "Fortune's Double Yellow" [Lindley] in Jour.  
 Hort. Soc. Lond. 6: 52 (1851).—Hooker in Bot. Mag.  
 78: t. 4679 (1852).  
*Rosa pseud-indica* Lindley, Ros. Monog. 132 (1820).  
*Rosa Fortuniana* Lindley in Paxton's Flow. Gard. 2: 71,  
 fig. 171 (1851).—Anon. in Paxton's Flow. Gard. 3:  
 157 (1853).  
*Rosa chinensis* var. *pseudindica* Willmott, Gen. Rosa, 1:  
 85, t. (1911).  
**R. odorata** var. **gigantea** [Crépin] Rehder & Wilson in  
 Sargent, Pl. Wilson. 2: 338 (1915).—Byhouwer in  
 Jour. Arnold Arb. 10: 94 (1929).  
*Rosa gigantea* Collett ex Crépin in Bull. Soc. Bot. Belg.  
 27,2: 148 (1888); 28,2: 11 (1889).—Anon. in Gard.  
 Chron. ser. 3, 6: 12, fig. 4 (1889).—Collett & Hemsley  
 in Jour. Linn. Soc. Lond. Bot. 28: 55, t. 9 (1890).

- Rosa macrocarpa* Watt ex Crépin in Bull. Soc. Bot. Belg. **28**, 2: 13 (1888), non Mérat (1812), nec Boissier (1872).  
*Rosa xanthocarpa* Watt ex Willmott, Gen. Rosa, **1**: 100 (1911), pro syn.  
*Rosa Duclouxii* Léveillé in herb. ex Rehder & Wilson in Sargent, Pl. Wilson. **2**: 339 (1915), pro syn.—Rehder in Jour. Arnold Arb. **13**: 317 (1932), pro syn.
- R. odorata** f. *erubescens* (Focke) Rehder & Wilson in Sargent, Pl. Wilson. **2**: 339 (1915) "var. *gigantea* f. *e*."  
*Rosa gigantea* f. *erubescens* Focke in Notes Bot. Gard. Edinb. **7**: 68 (1911).
- R. odorata** var. *gigantea* × **Brunoni** Rehder, Man. Cult. Trees Shrubs, 435 (1927).
- R. dilecta** (*R. borboniana* × *odorata*) Rehder in Jour. Arnold Arb. **3**: 13 (1922).
- R. chinensis** Jacquin, Obs. Bot. **3**: 7, t. 55 (1768).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 320 (1915).  
*Rosa sinica* Linnaeus, Syst. Veg. ed. 13, 394 (1774), forma calyce monstr.  
*Rosa indica* sensu Loureiro, Fl. Cochinch. 323 (1790).—Hooker f., Fl. Brit. Ind. **2**: 364 (1878).—Non Linnaeus (1753).  
*Rosa nankinensis* Loureiro, Fl. Cochinch. 324 (1790).  
*Rosa semperflorens* β. Lawrence, Roses, t. 26 (1799).  
*Rosa bengalensis* β. *chinensis* Persoon, Syn. Pl. **2**: 50 [1806].  
*Rosa indica vulgaris* Thory in Redouté, Roses, **1**: 51, t. (1817).—Lindley, Ros. Monog. 106 (1820) "a."  
*Rosa indica v. bengalensis* (Pers.) K. Koch, Hort. Dendr. 122 (1853).
- R. chinensis** f. *spontanea* Rehder & Wilson in Sargent, **2**: 320 (1915).
- R. chinensis** var. *sempervlorens* (Curtis) Koehne, Deutsche Dendr. 281 (1893) "β."  
*Rosa semperflorens* Curtis in Bot. Mag. **8**: t. 284 (1794).  
*Rosa diversifolia* Ventenat, Descr. Pl. Nouv. Jard. Cels. 35, t. [1801].  
*Rosa indica* θ. *sempervlorens* Seringe in De Candolle, Prodr. **2**: 601 (1825).  
*Rosa chinensis* c. *sempervlorens* K. Koch Dendr. **1**: 273 (1869).—Schneider, Ill. Handb. Laubh. **1**: 546 (1905) "subsp."
- R. chinensis** var. *minima* [Sims] Voss, Vilmor. Blumen-gärt. **1**: 257 (1894).  
*Rosa semperflorens* γ. *minima* Sims in Bot. Mag. **42**: t. 1762 (1815).  
*Rosa indica pumila* Thory in Redouté, Roses, **1**: 115, t. (1817).  
*Rosa Lawranceana* Sweet, Hort. Suburb. Lond. 119 (1818).—Ker in Bot. Reg. **7**: t. 538 (1821).—Wallroth, Rosae Gen. Hist. 102 (1828).  
*Rosa Nanula* Hoffmannsegg, Verz. Pflanzenskult. 108 (1824).  
*Rosa indica humilis* Seringe, Mém. Bot. **1**: 44 (1818); in De Candolle, Prodr. **2**: 600 (1825) "ξ."  
*Rosa Laurentiae* Trattinnick, Rosac. Monog. **1**: 105 (1823).  
*Rosa indica* var. *minima* Bean, Trees Shrubs Brit. Isl. **2**: 430 (1914).  
*Rosa Roulettii* Correvon in Gard. Chron. ser. 3, **72**: 342 (1922).—Rathlef in Rosenjahrb. **1934**: 88, fig. (1934) "*Roulettii*"—Boulenger in Bull. Jard. Bot. Bruxell. **14**: 367 (1934).
- R. chinensis** var. *longifolia* (Willd.) Rehder in Bailey, Cycl. Am. Hort. [4]: 1551 (1902).—Willmott, Gen. Rosa, **1**: 83 [1911].  
*Rosa longifolia* Willdenow, Sp. Pl. **2**: 1079 [1800].—Thory in Redouté, Roses, **2**: 27, t. (1821).  
*Rosa indica* δ. *longifolia* Lindley, Ros. Monog. 106 (1820).—Seringe in De Candolle, Prodr. **2**: 600 (1825).  
*Rosa persicifolia* × *salicifolia* Hort. ex Willmott, Gen. Rosa, **1**: 83 [1911].
- R. chinensis** f. *viridiflora* [Lavallée] Schneider, Ill. Handb. Laubh. **1**: 546 (1905).  
*Rosa viridiflora* Lavallée in Hort. Franç. **1856**: 218, t. 19 (1856, Oct.).  
*Rosa chinensis* d. *viridiflora* Dippel, Handb. Laubh. **3**: 562 (1893).
- R. chinensis** f. *mutabilis* (Correv.) Rehder in Jour. Arnold Arb. **20**: 98 (1939).  
*Rosa mutabilis* Correvon in Rev. Hort. **1934**: 60, t. (1934), non Dumont de Courset (1811), nec E. James (1923).
- R. Noisettiana** [*R. chinensis* × *moschata*] Thory in Redouté, Roses, **2**: 77, t. (1821).  
*Rosa indica* β. *Noisettiana* Seringe in De Candolle, Prodr. **2**: 600 (1825).
- R. Noisettiana** f. *Manettii* (Rivers), grad. nov.  
*Rosa Manettii* Crivelli ex [Th. Rivers] in Gard. Chron. **1849**: 724 (1849).  
*Rosa chinensis* a. *Manetti* hort. ex Dippel, Handb. Laubh. **3**: 562 (1893).  
*Rosa Noisettiana* *Manetti* Rehder in McFarland, Modern Ros. II. 206 (1940).
- R. borboniana** [*R. chinensis* × *damascena*] Desportes, Ros. Gall. 106 (1828).—Rehder in Jour. Arnold Arb. **3**: 15 (1922) "*R. chinensis* × *gallica* et sp. affines".—Non *R. Bourbonia* Roessig (1803).  
*Rosa canina borboniana* Thory in Redouté, Roses, **3**: 105, t. (1824).  
*Rosa indica* β. *borbonica* Hort. ex K. Koch, Hort. Dendr. 122 (1853), nom.—Regel in Act. Hort. Petrop. **5**: 358 (Tent. Monog. Ros. 74. 1877) (1878), syn. nonnull. exclud.  
*Rosa chinensis* b. *borbonica* Dippel, Handb. Laubh. **2**: 563 (1893), syn. nonnull. exclud.  
*Rosa Borbonica* L. Chaix in Fl. des Serr. **7**: 77 (1851).—Mouillefert, Arb. Arbriss. **1**: 558 (1893).—Willmott, Gen. Rosa, **2**: 339, t. (1912).  
*Rosa gallica* var. *damascena* Voss, Vilmor. Blumengärt. **1**: 254 (1894), p. p.
- Ser. 8. **BANKSIANAE** (Lindl.), grad. nov.  
*Rosa* div. *Banksianae* Lindley, Ros. Monog. xxxix (1820), p. p. tantum quoad *R. Banksiae*.—K. Koch, Dendr. **1**: 276 (1869) "Gruppe", p. p.  
*Rosa* groupe *Banksianenses* Thory, Prodr. Monog. Ros. 39 (1820).  
*Rosa* Ser. *Aitoniana* Trattinnick, Rosac. Monog. **2**: 211 (1823).  
*Rosa* sect. *Banksiae* Crépin in Bull. Soc. Bot. Belg. **14**: 163 (Prim. Monog. Ros. 367) (1875), nom.; in Jour. Hort. Soc. Lond. **11**: 3 (1889).
- R. Banksiae** Aiton f., Hort. Kew. ed. 2, **3**: 258 (1811).—Lindley, Ros. Monog. 131 (1820).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 316 (1915).—Rehder in Jour. Arnold Arb. **13**: 315 (1932).



**Rosa Banksiae** (*continued*)

*Rosa inermis* Roxburgh, Hort. Bengal. 38 (1814), nom.; Fl. Ind. [ed. 2] 2: 516 (1832); non Miller (1767), nec Bosc (1821), nec Luce (1823).

**R. Banksiae** var. *normalis* Regel in Act. Hort. Petrop. 5: 376 (Tent. Ros. Monog. 91. 1877) (1878).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 317 (1915).

*Rosa Banksiae* Crépin in Bull. Soc. Bot. Belg. 14: 162

(Prim. Monog. Ros. 366) (1875), exclud. typo speciei.

*Rosa Banksiae* f. *subinermis* fl. simpl. Focke in Notes Bot. Gard. Edinb. 5: 65 (1911), nom.

*Rosa Banksiae* f. *aculeata* et f. *subinermis* et f. *albiflora* Léveillé, Cat. Pl. Yun-Nan, 234 (1917), nom.

**R. Banksiae** f. *alba-plena* (Rehd.), grad. nov.

*Rosa Banksiae* Aiton f., Hort. Kew. ed. 2, 3: 258 (1811), typus speciei.

*Rosa Banksiae* β. *flore pleno* [Ker] in Bot. Reg. 5: t. 397 (1819).

*Rosa Banksiae* var. *alba-plena* Rehder in Bailey, Cycl. Am. Hort. [4]: 1552 (1902).

*Rosa Banksiae* f. *aculeata* fl. pleno albo Focke in op. cit. 66 (1911).

*Rosa Banksiae* f. *subinermis* fl. pleno v. *sempino albo* Focke in Notes Bot. Gard. Edinb. 5: 65 (1911).

*Rosa Banksiae* var. *alba-plena* Rehder in Bailey, Stand. Cycl. Hort. 5: 2988 (1916).

**R. Banksiae** f. *lutea* (Lindl.), grad. nov.

*Rosa Banksiae* lutea Lindley in Bot. Reg. 13: t. 1105 (1827).

*Rosa Banksiae* var. *flava* Lindley in Trans. Hort. Soc. Lond. 7: 226 [1828].

*Rosa Banksiae* var. *lutea-plena* Rehder in Bailey, Cycl. Am. Hort. [4]: 1552 (1902).

*Rosa Banksiae* f. *luteiflora* Léveillé, Cat. Pl. Yun-Nan, 234 (1917), nom.

**R. Banksiae** f. *lutescens* Voss, Vilmor. Blumengärt. 1: 49 (1896).

*Rosa Banksiae* sensu Hooker f. in Bot. Mag. 117: t. 7171 (1891), non Aiton f. (1811) sensu stricto.

**R. Fortuneana** [*R. Banksiae* × *laevigata*] Lindley in Paxton's Flow. Gard. 2: 71, fig. 171 (1851) "*Fortuniana*"; in Fl. des Serr. 7: 255, fig. (1852).—Crépin in Bull. Soc. Bot. Belg. 33: 127 (1894) "*R. Fortunea*".

**R. cymosa** Trattinnick, Rosac. Monog. 1: 87 (1823).—Rehder in Jour. Arnold Arb. 17: 339 (1936); 18: 257 (1937).

*Rosa indica* Linnaeus, Sp. Pl. 492 (1753), p. p.

*Rosa microcarpa* Lindley, Ros. Monog. 130, t. 18 (1820).—Crépin in Bull. Soc. Bot. Belg. 13: 244 (Prim. Ros. Monog. 251) (1874).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 314 (1915).—Non Retzius (1803), nec Besser (1815).

*Rosa fragariaeflora* Seringe in De Candolle, Prodr. 2: 601 (1825).

*Rosa amoyensis* Hance in Jour. Bot. 6: 297 (1868).

*Rosa Banksiae* β. *microcarpa* Regel in Act. Hort. Petrop. 5: 376 (Tent. Ros. Monog. 92. 1877) (1878).

*Rosa sorbiflora* Focke in Gard. Chron. ser. 3, 37: 227, fig. 96 (1905).

*Rosa sorbifolia* Anon. in Rev. Hort. 1905: 234 (1905), sphalm.?

*Rosa Chaffanjonii* Léveillé & Vaniot in Bull. Soc. Bot. France, 55: 56 (1908).

*Rosa Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 61 (1910).

*Rosa Bodinieri* Léveillé & Vaniot in Bull. Soc. Bot. France, 55: 56 (1908).—Willmott, Gen. Rosa, 2: 485, t. (1914).

*Rosa Esquirolii* Léveillé & Vaniot, l. c. (1908).—Willmott, l. c., t. (1914).

*Rosa Patrum* Léveillé msc. ex Rehder in Jour. Arnold Arb. 17: 339 (1936), pro syn.

Ser. LAEVIGATAE (Thory), grad. nov.

*Rosa* groupe *Laevigatae* Thory, Prodr. Gen. Ros. 37 (1920).—Crépin in Jour. Hort. Soc. Lond. 11: 227 (1889) "sect."; in Jour. des Ros. 15: 41, 53, 76 (1891).

*Rosa* (sect.) *Chinenses* De Candolle ex Seringe, Mus. Helv. Nat. Hist. 1: 2 [1818], p. p.

*Rosa* Ser. *Purshiana* Trattinnick, Rosac. Monog. 2: 180 (1823), exclud. sp. nonn.

*Rosa* sect. *Sinicae* Crépin in Bull. Soc. Bot. Belg. 15: 77 (Prim. Monog. Ros. 438) (1876), nom. subnud.

**R. laevigata** Michaux, Fl. Bor.-Am. 1: 295 (1803).—Crépin in Bull. Soc. Bot. Belg. 14: 155 (Prim. Monog. Ros. 359) (1875).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 318 (1915).—Rydberg in N. Am. Fl. 22: 492 (1918).

*Rosa sinica* Aiton, Hort. Kew. 2: 203 (1789), non Linnaeus (1774).

*Rosa ternata* Poiret, Encycl. Méth. Bot. 6: 284 (1804).

*Rosa nivea* De Candolle, Cat. Hort. Monspel. 137 (1813).—Seringe in De Candolle, Prodr. 2: 599 (1825).

*Rosa Cherokeeensis* Donn, Hort. Cantab. ed. 8, 170 (1815), nom.—Small, Fl. Southeast. U. S. 528 (1903).

*Rosa hystrix* Lindley, Ros. Monog. 129, t. 17 (1820).

*Rosa triphylla* Roxburgh ex Lindley, Ros. Monog. 138 (1820) nom. subnud.—Roxburgh, Hort. Bengal. 38 (1814), nom.; Fl. Ind. [ed. 2] 2: 515 (1832), nom. subnud.

*Rosa cucumerina* Trattinnick, Rosac. Monog. 2: 181 (1823).

*Rosa Amygdalifolia* Seringe in De Candolle, Prodr. 2: 601 (1825).

*Rosa Camellia* Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. 1848: 47 (1848).—Hort. ex André in Rev. Hort. 1889: 246 (1889), pro syn.

*Rosa sinica* a. *typica* Regel in Act. Hort. Petrop. 5: 327 (Tent. Ros. Monog. 43. 1877) (1878).

*Rosa camelliaefolia* Hort. [ex Nicholson], Kew Hand-list Trees Shrubs, 1: 171 (1892), pro syn.

*Rosa trifoliata* [Bosc in Nouv. Cours Compl. Agric. (Rozier) ed. 2, 13: 280 (1823) "Rosier trifolié"].—Bosc ex Jackson in Index Kew. 4: 739 (1895), pro syn.

—Non Rafinesque (1820).

*Rosa levigata* var. *kaiscianensis* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 294 (1910).

**R. anemonoides** (*R. laevigata* × *odorata*) Rehder in Jour. Arnold Arb. 3: 13 (1922).

*Rosa* "Anemonen-Rose" J. C. Schmidt ex Rehder in Möller's Deutsch. Gärt.-Zeit. 11: 345, fig. (1896).

*Rosa laevigata* "Anémone Rose" Mottet in Rev. Hort. 1901: 549, t. (1901).

*Rosa laevigata* × *chinensis* "Rose Anemone" Willmott, Gen. Rosa, 1: 121, t. [1911].

Ser. BRACTEATAE (Thory), grad. nov.

*Rosa* sect. *Bracteatae* Thory, Prodr. Gen. Ros. 125 (1820) "groupe".—Lindley, Ros. Monog. 7 (1820) "div."; spec. nonnull. exclud.—Crépin in Bull. Soc. Bot. Belg. 11: 96 (Prim. Monog. Ros. 212) (1872).

- Rosa* (sect.) *Chinenses* De Candolle ex Seringe, Mus. Helv. Hist. Nat. 1: 2 [1818], p. p.
- Rosa* Ser. *Redouteana* Trattinnick, Rosac. Monog. 2: 105 (1823).
- Rosa* Ser. *Wendlandiana* Trattinnick, op. cit. 188 (1823).
- Ernestella* Germain de St. Pierre in Bull. Soc. Bot. France, 22 (Sess. Extr. Angers): xxxiv (1875), nom. subnud.; in Jour. des Ros. 2: 39 (1878).
- R. bracteata** Wendland, Obs. Bot. 50 (1798); Hort. Herrenh. 4: 7, t. 23 (1801).—Crépin in Bull. Soc. Bot. Belg. 14: 137 (Prim. Monog. Ros. 341) (1875).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 337 (1915).
- Rosa lucida* Lawrance, Roses, t. 84 (1799), non Ehrhart (1789), nec Andrews [1806].
- Rosa Macartnea* Dumont de Courset, Bot. Cult. 5: 460 (1805).
- Rosa sinica* β. *Braamiana* Regel in Act. Hort. Petrop. 5: 327 (Tent. Ros. Monog. 43. 1877) (1878).
- Ernestella bracteata* Germain de St. Pierre in Bull. Soc. Bot. France, 22 (Sess. Extr. Angers): xxxiv (1875), nom. subnud.; in Jour. des Ros. 2: 39 (1878).
- R. bracteata** × *laevigata* Willmott, Gen. Rosa, 1: 127, t. (1911).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 451 (1940).
- R. clinophylla** Thory in Redouté, Roses, 1: 43 (1817) "*clynophylla*" (p. 43), corr. in indice (p. 157).—Schneider, Ill. Handb. Laubh. 1: 587, fig. 331q-r (1905).
- Rosa involocrata* Roxburgh ex Lindley, Ros. Monog. 8 (1820).—Roxburgh, Hort. Bengal. 38 (1814), nom.; Fl. Ind. [ed. 2] 2: 513 (1832).—Crépin in Bull. Soc. Bot. Belg. 14: 140 (Prim. Monog. Ros. 344) (1875).
- Rosa palustris* Buchanan ex Lindley, Ros. Monog. 8 (1820), pro syn.; non Marshall (1784).
- Rosa Lyellii* Lindley, Ros. Monog. 12, t. 1 (1820).—Crépin in Bull. Soc. Bot. Belg. 14: 143 (Prim. Monog. Ros. 347) (1875) "? *R. involocrata* × *moschata*."
- Rosa Lindleyana* Trattinnick, Rosac. Monog. 2: 190 (1823).
- Rosa tomentosa* Schlechtendal ex Crépin in Bull. Soc. Bot. Belg. 11: 96 (Prim. Monog. Ros. 212) (1872), pro syn.; non Smith (1800).
- Ernestella involocrata* (Roxb.) Germain de St. Pierre in Bull. Soc. Bot. France, 22 (Sess. Extr. Angers): xxxiv (1875).
- Ernestella bracteata* subsp. *involocrata* (Roxb.) Hurst in Verh. 5th Kongress Vererbungswiss. Berlin (Zeitschr. Indukt. Abst. & Vererb. Suppl. 2), 1927: 902 (Diff. Polyploidy Rosa) (1928).
- Subgen. III. PLATYRHODON (Hurst) Rehder, Man. Cult. Trees Shrubs, ed. 2, 451 (1940).
- Rosa* div. *Bracteatae* Lindley, Ros. Monog. 7 (1820), p. p.
- Rosa* Ser. *Lindleyana* Trattinnick, Rosac. Monog. 2: 192 (1823), p. p.
- Saintpierreia* Germain de St. Pierre in Bull. Soc. Bot. France, 22 (Sess. Extr. Angers): xxxiv (1875), nom. subnud.; in Jour. des Ros. 2: 39 (1878).
- Rosa* sect. *Microphyllae* Crépin in Jour. Hort. Soc. Lond. 11: 227 (1889); in Jour. des Ros. 15: 77 (1891).
- Platyrrhodon* Decaisne ex Hurst in Verh. V. Internat. Kongr. Vererbungswiss. Berlin (Zeitschr. Indukt. Abst. & Vererb. Suppl. 2) 1927: 902 (Diff. Polyploidy Rosa) (1928).
- R. Roxburghii** Trattinnick, Rosac. Monog. 2: 233 (1823).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 319 (1915).
- ?*Rosa centifolia* sensu Loureiro, Fl. Cochinch. 323 (1790), non Linnaeus (1753).
- Rosa microphylla* Roxburgh ex Lindley, Ros. Monog. 9, 146 (1820).—Roxburgh, Hort. Bengal. 38 (1814), nom.; Fl. Ind. [ed. 2], 2: 515 (1832).—Crépin in Bull. Soc. Bot. Belg. 14: 146 (Prim. Monog. Ros. 350) (1875).—Willmott, Gen. Rosa, 1: 135, t. [1911].—Non Desfontaines [1798].
- Saintpierreia microphylla* Germain de St. Pierre in Bull. Soc. Bot. France, 22 (Sess. Extr. Angers): xxxix (1875), nom.; in Jour. des Ros. 2: 39 (1878).
- Rosa microphylla* a. *glabra* Regel in Act. Hort. Petrop. 5: 322 (Tent. Ros. Monog. 38. 1877) (1878).
- Rosa Roxburghii* var. *plena* Rehder, Man. Cult. Trees Shrubs, 450 (1927).
- Platyrrhodon microphylla* Hurst in Verh. V. Internat. Kongr. Vererbungswiss. Berlin (Zeitschr. Indukt. Abst. & Vererb. Suppl. 2) 1927: 902 (Diff. Polyploidy Rosa) (1928); in Rose Annual, 1929: 64 (1929) "*P. macrophylla*" err. typogr.
- R. Roxburghii** f. *normalis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 319 (1915).
- Rosa microphylla* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 295 (1910), non Desfontaines [1798], nec Roxburgh (1820), sensu stricto.
- Rosa Forrestii* Focke in Notes Bot. Gard. Edinb. 5: 67, t. 62 (1911).
- R. Roxburghii** var. *hirtula* (Reg.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 320 (1915).
- Rosa microphylla* β. *hirtula* Regel in Act. Hort. Petrop. 5: 322 (Tent. Ros. Monog. 38. 1877) (1878).
- Rosa hirtula* Nakai in Bot. Mag. Tokyo, 34: 44 (1920).
- Rosa microphylla* sensu Hooker f. in Bot. Mag. 107: t. 6548 (1881), non Roxburgh (1820), typus speciei.
- Subgen. IV. HESPERHODOS Cockerell in Nature (Lond.), 90: 571 (1913) "genus or subgen."
- Rosa* sect. *Minutifoliae* Crépin in Jour. des Ros. 1891: 76 (Nouv. Classif. Ros. 25) (1891).
- Hesperhodos* Boulenger in Bull. Jard. Bot. Bruxell. 14: 227 (1937).
- R. stellata** Wootton in Bull. Torrey Bot. Club, 25: 152 (1898).—Rydberg in N. Am. Fl. 22: 529 (1918).
- Rosa Vernonii* Greene, Leaf. Bot. Obs. 2: 63 (1910).
- Hesperhodos minutifolia* subsp. *stellata* Hurst in Rose Annual, 1929: 63 (1929).
- Hesperhodos stellatus* Boulenger in Bull. Jard. Bot. Bruxell. 14: 234 (1937).
- R. stellata** var. *mirifica* (Greene) Cockerell in Gard. Chron. ser. 3, 55: 50 (1914).
- Rosa mirifica* Greene, Leaf. Bot. Obs. 2: 62 (1910).
- Hesperhodos minutifolia* subsp. *mirifica* Hurst in Rose Annual, 1929: 63 (1929).
- Hesperhodos mirificus* Boulenger in Bull. Jard. Bot. Bruxell. 14: 236 (1937).
- R. minutifolia** Engelmann in Parry in Bull. Torrey Bot. Club, 9: 97 (1882).—Rydberg in N. Am. Fl. 22: 529 (1918).
- Hesperhodos minutifolia* Hurst in Rose Annual, 1929: 63 (1929).
- Subfam. IV. PRUNOIDEAE Focke in Nat. Pflanzenfam. III. 3: 50 (1888).
- Drupaceae* Linnaeus, Philos. Bot. ed. 2, 35 (1763), nom. subnud.—De Candolle in Lamarck & De Candolle, Fl. Franç. 4: 479 (1805).

Subfam. iv. PRUNOIDEAE (*continued*)

- Rosaceae* trib. *Amygdaleae* Jussieu, Gen. Pl. 340 (1774).  
—De Candolle, Prodr. 2: 529 (1825).—Gray, Bot. Text-book, 266 (1842).  
*Amygdalaceae* Reichenbach, Consp. Reg. Veg. 1: 177 (1828), nom. subnud.; Fl. Germ. Excurs. 1: 642 (1830).  
—G. Don, Gen. Hist. Dichlam. Pl. 2: 481 (1832).  
*Rosaceae* §. 2. *Drupaceae* Lindley, Syn. Brit. Fl. 89 (1829).  
*Amygdalaceae* 1. *Ceraceae* Reichenbach, Handb. Nat. Pflanzensyst. 254 (1837).  
*Rosaceae* trib. *Pruneae* Benth. & Hooker f., Gen. Pl. 1: 609 (1865).  
*Rosaceae* trib. *Osmaronieae* Rydberg in N. Am. Fl. 22: 482 (1918).

**MADDENIA** Hooker f. & Thomson in Hooker's Jour. Bot. Kew Misc. 6: 381 (1854).—Benth. & Hooker f., Gen. Pl. 1: 610 (1865).

TYPE: *M. himalaica* Hook. f. Thoms.

**M. hypoleuca** Koehne in Sargent, Pl. Wilson. 1: 56 (1913).

**PRUNUS** Linnaeus, Sp. Pl. 473 (1753); Gen. Pl. 213, no. 546 (1754).—Benth. & Hooker f., Gen. Pl. 1: 609 (1865).—K. Mayer in Repert. Sp. Nov. Reg. Veg. Beih. 20: 1–64, t. 1–3 (1923).—Schmucker in Silvae Orbis, 5: maps 178–181 (1942).  
*Druparia* [Clairville], Man. Herb. Suisse, 158, 159 (1811).  
LECTOTYPUS: *P. domestica* L.

Subgen. i. PRUNOPHORA (Neck.) Focke in Nat. Pflanzenfam. III. 3: 52 (1888).—Koehne, Deutsche Dendr. 303 (1893), sensu stricto.

*Prunophora* Necker, Elem. Bot. 2: 71 (1790).

*Prunus* Seringe in De Candolle, Prodr. 2: 532 (1825).

*Prunus* subgen. *Euprunus* Schneider, Ill. Handb. Laubh. 1: 620 (1906).

Sect. 1. EUPRUNUS Koehne, Deutsche Dendr. 315 (1893).

*Prunus* sect. *Prunophora* Fiori & Paoletti, Fl. Anal. Ital. 1, 2: 557 (1898).—Schneider, Ill. Handb. Laubh. 1: 620 (1906), p. p.

*Prunus* sect. *Prunus* Benth. & Hooker f., Gen. Pl. 610 (1865).

**P. spinosa** Linnaeus, Sp. Pl. 475 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 119 (1906).

*Prunus* *Acacia* germ. Crantz, Stirp. Austr. fasc. 2: 58 (1763); ed. 2, 1: 93 (1769).—Poirot, Encycl. Méth. Bot. 5: 679 (1804) "*P. acacia*", pro syn.

*Prunus praecox* Salisbury, Prodr. Stirp. Chap. Allert, 356 (1796).

*Druparia spinosa* [Clairville], Man. Herb. Suisse, 160 (1811).

*Prunus spinosa* a. *vulgaris* Seringe in De Candolle, Prodr. 2: 532 (1825).

*Prunus spinosa* a. *frutescens* et *β. arborescens* Dierbach in Mag. Pharm. 20: 25 (Syst. Uebers. Heidelb. Wildw. Gew.) (1827).

*Prunus virgata* Martini-Donos, Pl. Crit. Dept. Tarn, Fragm. 1: 21 (1862).

*Prunus montana* Schur, Enum. Pl. Transsilv. 179 (1866).

*Prunus domestica* i. *spinosa* (L.) Kuntze, Taschen-Fl. Leipzig, 274 (1869).

?*Prunus insignis* Carrière in Rev. Hort. 1870–71: 534, fig. 72 (1871), non Poiteau & Turpin [1827].

*Prunus* *Acacia-germanica* Crantz ex B. D. Jackson in Ind. Kew. 2: 625 (1895).

*Prunus spinosa* var. *typica* Schneider, Ill. Handb. Laubh. 1: 628 (1906).

**P. spinosa** f. *plena* [West.] Schneider, Ill. Handb. Laubh. 1: 628 (1906).

*Prunus spinosa* [var.] 1. *plena* Weston, Bot. Univ. 1: 223 (1770).

*Prunus spinosa* fl. *pleno* Kirchner in Petzold & Kirchner, Arb. Muscav. 250 (1864).

**P. spinosa** f. *purpurea* (André) Schneider, Ill. Handb. Laubh. 1: 628 (1906).

*Prunus spinosa* *purpurea* André in Rev. Hort. 1903: 481 (1903).—Hort. ex Bailey, Stand. Cycl. Hort. 5: 2825 (1916) "var."

**P. fruticans** [? *P. insititia* × *spinosa*] Weihe in Flora, 9, 2: 748 (1826).—Boutigny in Bull. Soc. Dauphin. Ech. Pl. 7: 266 (1880); 8: 324 (1881).

*Prunus spinosa* var. *macrocarpa* Wallroth, Sched. Crit. Fl. Hal. 217 (1822).

**P. curdica** Fenzl & Fritsch in Sitzber. Akad. Wiss. Wien, 101, 1: 627, t. (1892).—Schneider, Ill. Handb. Laubh. 1: 628, fig. 346e, 347o–q (1906).

**P. insititia** Linnaeus, Amoen. Acad. 4: 273 (1755).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 121 (1906).

*Prunus domestica* Linnaeus, Sp. Pl. 475 (1753), p. p.

*Prunus ambigua* Salisbury, Prodr. Stirp. Chap. Allert. 356 (1796).

*Druparia insititia* [Clairville], Man. Herb. Suisse, 160 (1811).

*Prunus floribunda* Weihe in Flora, 9, 2: 747 (1826).

*Prunus nigra* Reichenbach, Fl. Germ. Excurs. 645 (1832), non Aiton (1789).

*Prunus armenioides* Liegel, Syst. Anleit. Pflaum. 2: 162 [1841].—Roemer, Fam. Nat. Reg. Veg. Syn. Monog. 3: 53 (1847).

*Prunus caerulea* Roemer, op. cit. 53 (1847).

*Prunus Damsonia* Roemer, op. cit. 54 (1847).

*Prunus insititia* var. *pomariorum* Boutigny in Bull. Soc. Dauphin. Ech. Pl. 8: 324 (1888).

*Prunus domestica* γ. *insititia* Fiori & Paoletti, Fl. Anal. Ital. 1: 558 (1898).—Schneider, Ill. Handb. Laubh. 1: 630 (1906) "subsp.".—Bailey in Rhodora, 18: 155 (1916) "var."

*Prunus sativa* subsp. *P. insititia* Rouy & Camus, Fl. France, 6: 9 (1900).

*Prunus domestica* subsp. *insititia* f. *pomariorum* Schneider, Ill. Handb. Laubh. 1: 630 (1906).

*Prunus insititia* A. i. *nigra* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 122 (1906).

**P. insititia** var. *subsylvestris* Boutigny in Bull. Soc. Dauphin. Ech. Pl. 8: 324 (1888).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 122 (1906) "*P. i. A.I.A. subsylvestris*".

*Prunus domestica* subsp. *insititia* f. *subsylvestris* Schneider, Ill. Handb. Laubh. 1: 630 (1906).

**P. insititia** var. *syriaca* (Borkh.) Koehne, Deutsche Dendr. 316 (1893) "β."

*Prunus syriaca* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1406 (1803).

**P. insititia** var. *italica* (Borkh.) L. M. Neuman, Sverig. Fl. 346 (1901).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 126 (1906).

*Prunus italica* Borkhausen, op. cit. 1409 (1803).

*Prunus* *Claudiana* Poirot in Encycl. Méth. Bot. 5: 677 (1804), pro syn.—Poiteau & Turpin in Duhamel,

- Traité Arb. Fruit. nouv. éd., 2: *P.* no. 21; t. 81, fasc. 14 [1809 ?].
- Prunus domestica* *Claudianae* Persoon, Syn. Pl. 2: 35 [1806].—Seringe in De Candolle, Prodr. 2: 535 (1825) "β".
- Prunus ambigua* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: *P.* no. 26; t. 343, fasc. 58 ? [1830], non Salisbury (1796).
- Prunus violacea* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 52 (1847).
- Prunus sativa* subsp. *ii. P. ambigua* Rouy & Camus, Fl. France, 6: 6 (1900).
- Prunus domestica* subsp. *insititia* var. *italica* Schneider, Ill. Handb. Laubh. 1: 639 (1906, May).
- Prunus insititia* v. *italica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 123 (1906, Nov.).
- P. domestica** Linnaeus, Sp. Pl. 475 (1753), p. p. typ.—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 123 (1906).
- Prunus communis* Hudson, Fl. Angl. 212 (1762).
- Prunus Pruna* Crantz, Stirp. Austr. fasc. 2: 59 (1763); ed. 2, 1: 94 (1769), p. p.
- Prunus damascena* Ehrhart, Beitr. Naturk. 7: 51 (1792), nom.—Poiret, Encycl. Méth. Bot. 5: 677 (1804), pro var.—Dierbach in Mag. Pharm. 20: 26 (Syst. Uebers. Heidelb. Wildw. Gew. 136) (1827).—Roemer, Fam. Nat. Reg. Veg. Syn. Monog. 3: 41 (1841).
- Prunus oeconomica* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1401 (1803).
- Prunus cerea* Ehrhart, Beitr. Naturk. 7: 51 (1792), nom.—Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: *P.* no. 34; t. 392, fasc. 66 [1830].
- Prunus juliana* Poiret, Encycl. Méth. Bot. 5: 676 (1804), pro var.—Roemer, Fam. Nat. Reg. Veg. 3: 49 (1847).—Non *P. juliana* Gaudin (1828).
- Prunus perdigona* Poiret, op. cit. 676 (1804), pro var., [= *P. domestica* e. *pernicosa* L. (1753)].—Roemer, op. cit., 46 (1847) "*P. pertigona*".
- Prunus acinaria* Poiret, op. cit. 677 (1804), pro var.; non Desfontaines (1804).
- Prunus praecox* Poiret, op. cit. 677 (1804), pro var.—Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 2: *P.* no. 4; t. 128, fasc. 22 [1810].—Non Salisbury (1796).
- Prunus cereola* Poiret, op. cit. 677 (1804), pro var.—Poiteau & Turpin in op. cit., *P.* no. 29; t. 47, fasc. 8 ? [1808].
- Prunus amygdalina* Poiret, op. cit. 677 (1804), pro var.; non Webb, It. Hisp. 47 (1838).
- Prunus galatensis* Poiret, op. cit. 677 (1804), pro var.—Poiteau & Turpin in op. cit. *P.* no. 37; t. 292, fasc. 49 ? [1829] "*P. galatensis*".
- Prunus brignola* Poiret, op. cit. 5: 678 (1804), pro var.—Reichenbach, Fl. Germ. Excurs. 645 (1832).
- Prunus mytellina* Poiret, op. cit. 5: 678 (1804), pro var.—B. D. Jackson, Index Kew. 2: 637 (1894) "*myrtellina*", pro syn.
- Prunus hungarica* (p. 676), *P. imperialis* (p. 676), *P. maliformis* (p. 677), *P. augustana* (p. 677), *P. diapræa* (p. 678), *P. aureliana* (p. 678), *P. regia* (p. 678), *P. enucleata* (p. 678), Poiret, Encycl. Méth. Bot. 5: 676–8 (1804), omnia pro var. sub *P. domestica*.
- Prunus pyramidalis* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 485 (1805).
- Prunus serotina* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: *P.* no. 43, t. 7, fasc. 2 [1807] sphalm. "*scrotina*", corr. in "Table" ad fin. vol.; non Ehrhart (1788), nec Roth (1797).
- Prunus turonensis* in Poiteau & Turpin in op. cit. *P.* no. 5; t. 15, fasc. 3 [1807].
- Prunus lineata* Poiteau & Turpin in op. cit. *P.* no. 13, t. 29, fasc. 5 ? [1807].
- Prunus spontalis* Poiteau & Turpin in op. cit. *P.* no. 18; t. 32, fasc. 6 ? [1807].
- Prunus virginialis* Poiteau & Turpin in op. cit. *P.* no. 27; t. 35, fasc. 6 ? [1807].
- Prunus spectabilis* Poiteau & Turpin in op. cit. *P.* no. 42; t. 55, fasc. 9 [1808].
- Prunus provincialis* Poiteau & Turpin in op. cit. *P.* no. 14, t. 63, fasc. 11 ? [1808].
- Prunus elliptica* Poiteau & Turpin in op. cit. *P.* no. 41, t. 71, fasc. 12 ? [1808], non Thunberg (1784).
- Prunus hispanica* Poiteau & Turpin in op. cit. *P.* no. 12; t. 78, fasc. 13 ? [1808].
- Prunus mirabilis* Poiteau & Turpin in op. cit. *P.* no. 45; t. 107, fasc. 18 ? [1810].
- Prunus pictorum* Poiteau & Turpin in op. cit. *P.* no. 7; t. 119, fasc. 20 ? [1810].
- Druparia Prunus* [Clairville], Man. Herb. Suisse, 159 (1811).
- Prunus apiana* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: *P.* no. 28; t. 199, fasc. 34 ? [181 ?].
- Prunus helvetica* in Poiteau & Turpin in op. cit. *P.* no. 44; t. 216, fasc. 36 ? [182 ?].
- Prunus deformis* Poiteau & Turpin in op. cit. *P.* no. 40; t. 136, fasc. 23 ? [181 ?].
- Prunus feriarum* Poiteau & Turpin in op. cit. *P.* no. 16; t. 143, fasc. 24, [181 ?], sphalm. "*ferarium*" in "Table" ad fin. vol.
- Prunus catalaunensis* Poiteau & Turpin in op. cit. *P.* no. 3; t. 149, fasc. 25 [181 ?].
- Prunus oxycarpa* (p. 436), *P. lutea* (p. 437), *P. exigua* (p. 438), *P. subrotunda* (p. 439), *P. vinaria* (p. 440), *P. rubella* (p. 441), Bechstein, Forstbot. ed. 4, 436–41 (1821), vel partim ad "*P. insititia*" referenda?
- Prunus domestica* δ. *Damascena* Seringe in De Candolle, Prodr. 2: 533 (1825).
- Prunus domestica* ι. *Pruneauliana* Seringe in op. cit. 534 (1825).
- Prunus graphica* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: *P.* no. 6; t. 242, fasc. 41 [1827].
- Prunus insignis* Poiteau & Turpin in op. cit. *P.* no. 8; t. 250, fasc. 42 ? [1827].
- Prunus apyrena* Poiteau & Turpin in op. cit. *P.* no. 36; t. 252, fasc. 42 ? [1827].
- Prunus damascena* a. *cyanocarpa*, b. *haematocarpa*, c. *chlorocarpa* (p. 27), d. *xantocarpa* Dierbach in Mag. Pharm. 20: 26–27 (Syst. Uebers. Heidelb. Wildw. Gew.) (1827).
- Prunus dolabriformis* Poiteau & Turpin in op. cit. *P.* no. 39; t. 260, fasc. 44 ? [1828].
- Prunus cerasiana* Poiteau & Turpin in op. cit. *P.* no. 2; t. 279, fasc. 47 [1828].
- Prunus neustriensis* Poiteau & Turpin in op. cit. *P.* no. 20; t. 291, fasc. 49 ? [1828].
- Prunus calvellana* Poiteau & Turpin in op. cit. *P.* no. 19; t. 294, fasc. 49 ? [1829 ?] "*cavellana*", p. 294, "*cavillana*" in "Table" ad fin. vol.—Poiteau, Pomol. Franç. 1: *P.* no. 20; p. 130, t. 294 (18[38–]46) "*Calvellana*".
- Prunus duracina* Poiteau & Turpin in op. cit. *P.* no. 30; t. 296, fasc. 50 [1829].—Poiteau, Pomol. Franç. 1: *P.* no. 31; p. 85\*, t. 296 (18[38–]46).—Non Sweet (1826).
- Prunus bifera* Poiteau & Turpin in op. cit. *P.* no. 35; t. 297, fasc. 50 ? [1829].

***Prunus domestica* (continued)**

- Prunus duplex* Poiteau & Turpin in op. cit. *P.* no. 23; t. 307, fasc. 52 [1829], non *P. domestica* f. *plantieri*.
- Prunus decora* Poiteau & Turpin in op. cit. *P.* no. 24, t. 323, fasc. 54 ? [1829].
- Prunus damascena mera* Poiteau & Turpin in op. cit. *P.* no. 11, t. 334, fasc. 56 [1829].
- Prunus pseudoclaudiana* Poiteau & Turpin in op. cit. *P.* no. 25; p. 343, t. 343, fig. sine lit. [= A.]. fasc. 58 ? [1830?].—Poiteau, *Pomol. Franç.* 1: *P.* no. 26, p. 167\*, t. 343, fig. A (18[38–]46).
- Prunus ambigua* Poiteau & Turpin in op. cit. *P.* no. 26, p. 312, t. 343, fig. err. A [recte B.], fasc. 58 ? [1830].—Poiteau, *Pomol. Franç.* 1: *P.* no. 27, p. 167\*, t. 343, fig. B (18[38–]46).
- Prunus mauriniana* Poiteau & Turpin in op. cit. *P.* no. 38; t. 352, fasc. 59 ? [1830].
- Prunus germanica* Poiteau & Turpin in op. cit. *P.* no. 31; t. 358, fasc. 60 ? [1830].
- Prunus translucens* Poiteau & Turpin in op. cit. *P.* no. 32; t. 358, fasc. 60 ? [1830].
- Prunus praedura* Poiteau & Turpin in op. cit. *P.* no. 9, t. 371, fasc. 62 ? [1830].
- Prunus oleaginosa* Poiteau & Turpin in op. cit. *P.* no. 49; t. 383, fasc. 64 [1830].
- Prunus riomensis* Poiteau & Turpin in op. cit., *P.* no. 46; t. 391, fasc. 66, [1830].
- Prunus formosa* Poiteau & Turpin in op. cit. *P.* no. 17; t. 394, fasc. 66 ? [1830].
- Prunus hierochuntica* Poiteau & Turpin in op. cit. *P.* no. 47; t. 403, fasc. 68 ? [1834].
- Prunus versicolor* Poiteau & Turpin in op. cit. *P.* no. 33; t. 416, fasc. 70 ? [1835].
- Prunus austriaca* (p. 10), *P. autumnalis* (p. 23), *P. imperialis* (p. 35), *P. grandissima* (p. 62), *P. compressa* (p. 148), Liegel, *Syst. Anleit. Kenntn. Pflaum.* 2: 10–148 (1841).
- Prunus leucocarpa* (p. 47), *P. catharinaea* (p. 48), *P. virginea* (p. 50), *P. depressa*, non Pursh (1814), Roemer, *Fam. Nat. Reg. Veg. Syn. Monog.* 3: 47–50 (1847).
- Prunus chlorocarpa* (p. 433), *P. heterocarpa*, *P. Lamottii* (p. 434), *P. glabra*, *P. inermis*, non Gilibert (1782), *P. cerasifrutus*, *P. intermedia*, non Poiret (1804), *P. elliptica*, non Thunberg (1784), *P. rhamnifrutus*, *P. Lloydii*, *P. floribunda*, non Weihe (1826), *P. lucens*, *P. angustifolia*, non Marshall (1785), *P. virgata*, non Martin-Donos (1862), *P. glomerata*, *P. elegans*, *P. spiraeifolia*, *P. praecox*, non Salisbury (1796), nec Poiret (1804), *P. lutescens*, *P. calycina* (p. 435), *P. longicaudata*, *P. spatulata*, *P. divaricata*, non Ledebour (1824), *P. recta*, *P. subrotundifolia*, *P. Ericoeflora*, A. Savatier in *Compt. Rend. Assoc. Franç. Avanc. Sci.* 11 (Rochelle, 1882): 433–5 (1883), vel partim ad "*P. insititia*" referenda?
- Prunus sativa* subsp. *i.* *P. domestica* Rouy & Camus, *Fl. France*, 6: 4 (1900).
- Prunus domestica* subsp. *oeconomica* Schneider, *Ill. Handb. Laubh.* 1: 631 (1906).
- P. domestica* f. *plantieri*** (Carr.), grad. nov.  
*Prunus domestica* Plantieri Carrière in *Rev. Hort.* 1884: 504 (1884).
- Prunus plantierensis* fl. pleno Simon Louis, *Prix-Courant*, 1886–7: 51 (1886), nom.
- Prunus italica* (f.) *plantierensis* Zabel in Beissner et al., *Handb. Laubh.-Ben.* 250 (1903).
- P. cerasifera*** Ehrhart, *Beitr. Naturk.* 4: 17 (1789).—Schneider, *Ill. Handb. Laubh.* 1: 632 (1906).—Ascher-

- son & Graebner, *Syn. Mitteleur. Fl.* 6,2: 125 (1906).
- Prunus domestica* f. *myrobalan* Linnaeus, *Sp. Pl.* 475 (1753), *Myrobalanus* in Bauhin, l. c.
- Prunus Miobolanus* Poiteau & Turpin in Duhamel, *Traité Arb. Fruit. n. éd.*, 2: no. 1, t. 95, fasc. 16 [1810], corr. "*Myrobolana* Poit. & Turp." in "Table" ad fin. vol.
- Prunus Myrobalana* Loiseleur in Duhamel, *Traité Arb. Arbust. éd. augm.* [Nouv. Duhamel] 5: 184, t. 57, fig. 1 [1812].—Zabel in Beissner et al., *Handb. Laubh.-Ben.* 251 (1903).
- Prunus domestica* γ. *myrobalana* Seringe in De Candolle, *Prodr.* 2: 533 (1825).
- Prunus Myrobalana* (f.) *cerasifera* Zabel, l. c. (1903).
- Prunus cerasifera* subsp. *myrobalana* Schneider, *Ill. Handb. Laubh.* 1: 632, fig. 348f–g, 349h–i (1906).
- ?*Prunus Korolkowi* Vilmorin, *Liste Graines Off. Echange*, 2 (1930), nom.
- P. cerasifera* f. *pendula*** (Bailey), grad. nov.  
*Prunus cerasifera* var. *pendula* Bailey, *Cycl. Am. Hort.* [3]: 1447 (1901).—Ascherson & Graebner, *Syn. Mitteleur. Fl.* 6,2: 126 (1906) "lus."
- P. cerasifera* f. *elegans*** (Bean), grad. nov.  
*Prunus* "Louis Asselin" Dauthenay in *Rev. Hort.* 1899: 460, fig. 198 (1899).
- Prunus cerasifera* var. *elegans* Bean, *Trees Shrubs Brit. Isl.* 2: 232 (1914), non hort. ex Schneider (1906), nom.
- P. cerasifera* f. *atropurpurea*** (Jaeg.), grad. nov.  
*Prunus Pissardi* Carrière in *Rev. Hort.* 1881: 190, t. (1881); 1884: 396, t. (1884).
- Prunus cerasifera* fol. *purpureis*, Späth, *Cat.* 1882–3: ? (1882).
- Prunus cerasifera* var. *atropurpurea* Jäger in Jäger & Beissner, *Ziergeh. ed. 2*, 262 (1884).—Bailey, *Cycl. Am. Hort.* [3]: 1447 (1901).
- Prunus Myrobalana* f. *Pissardi* (Carr.) Koehne, *Deutsche Dendr.* 317 (1893).—K. Meyer in *Repert. Sp. Nov. Reg. Veg. Beih.* 20: 55 (1923) "*P. m.* var. *Pissarti*".
- Prunus Myrobalana* (f.) *purpurea* Späth 1882 ex Zabel in Beissner et al., *Handb. Laubh.-Ben.* 251 (1903).
- Prunus cerasifera* b. *myrobalana* n. *Pissartii* Ascherson & Graebner, *Syn. Mitteleur. Fl.* 6,2: 126 (1906).
- Prunus cerasifera* var. *Pissardii* Bailey in *Stand. Cycl. Hort.* 5: 2825 (1916).
- P. cerasifera* f. *Woodii*** (Späth), grad. nov.  
*Prunus cerasifera purpurea* Woodii (Wood) Späth, *Preisverz.* no. 143: 111 (1910).
- Prunus cerasifera* var. *Pissartii* f. *Spaethiana* (Wood) Späth in *Repert. Sp. Nov. Reg. Veg.* 13: 127 (1913); [Kat.] 167: 113 (1915).
- Prunus cerasifera Spaethiana* Wood ex Späth, l. c. (1913).
- P. cerasifera* f. *nigra*** Bailey, *Stand. Cycl. Hort.* 5: 2825 (1916) "var. *Pissardii* (f.) *nigra*."
- P. cerasifera* f. *Purpusii*** (Hesse) Bailey, *Stand. Cycl. Hort.* 5: 2825 (1916) "var. *Pissardii* (f.) *Purpusii*."
- Prunus Pissardi Purpusii* Hesse, *Preisverz.* 1908–9: 127 (1908).
- P. cerasifera* var. *divaricata*** (Ledeb.) Bailey, *Cycl. Am. Hort.* [3]: 1447 (1901).—Schneider, *Ill. Handb. Laubh.* 1: 632, fig. 348d–e, 349g (1906) "subsp."
- Prunus divaricata* Ledebour in *Index Sem. Hort. Dorpat.* 1824: 6 (1824); *Fl. Ross.* 2: 5 [1843]; *Icon. Pl. Ross.* 1: 7, t. 13 (1829).—Kovalev in Komarov, *Fl. S. S. S. R.* 10: 516, t. 32, fig. 2 (1941).

- Prunus Myrobalana* f. *divaricata* Zabel in Beissner et al., Handb. Laubh.-Ben. 251 (1903).
- P. blireana** [*P. cerasifera* f. *atropurpurea* × *Mume*] André in Rev. Hort., n. sér. 5: 392, t. (1905) "*blireiana* fl. pleno."—Späth, [Kat.] no. 154: 111 (1908).—Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 70, fig. 16d [1918] "= *P. cerasifera* *Pissardii* × *mume roseiplena*."
- Prunus Pissardii* *blireana* fl. pleno Lemoine, Cat. no. 164: 14 (1906).
- Prunus cerasifera* var. *Blireana* Bean, Trees Shrubs Brit. Isl. 2: 232 (1914).
- P. blireiana** f. *Moseri* [Rehd.] Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 71, fig. 16e [1918].
- Prunus cerasifera* var. *Moseri* Rehder in Möller's Deutsch. Gärtn.-Zeit. 20: 405 (1905).
- Prunus cerasifera purpurea Moseri* Späth, Kat. no. 124: 114 (1907).
- Prunus Pissardii Moseri* fl. pleno E. Moser ex Späth, l. c. (1907), pro syn.
- Prunus Pissardii* var. *Moseri* Grosdemange in Rev. Hort. n. sér. 13: 178 (1913).
- Prunus cerasifera atropurpurea Moseri* fl. pleno Beckett in Gard. Chron. ser. 3, 53: 190, fig. 87 (1913).
- Prunus cerasifera Pissardii Moseri* Späth, [Kat.] no. 167: 113 (1915).
- ?*Prunus Boehmeri* Koehne in Mitt. Deutsch. Dendr. Ges. 1917 (26): 69, fig. 16c [1918] "*P. cerasifera*? × *mume*."
- P. gigantea** [*P. Amygdalo-persica* × *cerasifera*] (Späth) Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 66, fig. 16b [1918] "*cerasifera* × ?(*communis* × *Persica*)".
- Prunus Mirobolona* var. *gigantea* Lavallée, Arb. Segrez. 71 (1877), nom.
- Prunus cerasifera gigantea* hort. ex Späth, Kat. no. 62: 86 (1885).
- P. cerasifera** × *Munsoniana* vel ?*angustifolia* = *P. "Marianna"*; cf. W. F. Wight in U. S. Dept. Agric. Bull. 179: 46, t. 13, fig. 11, 12 (1915).
- P. monticola** K. Koch in Ind. Sem. Hort. Berol. 1854 (app.): 15 (1854).—Schneider, Ill. Handb. Laubh. 1: 632, fig. 348a-c, 349k (1906).
- P. Cocomilia** Tenore, Fl. Neap. Prodr. Suppl. 2: lxxviii (1811) "*Cocumilia*"; in Atti Istit. Incor. Sci. Nat. Napoli, 4: 436, t. (1828); Fl. Neap. 3: Pt. 144 (1811–38) "*cocumilia*"; 4: 272 (1811–38) "*cocumiglia*."—Koehne, Deutsche Dendr. 315 (1893) "*cocumilio*"—Schneider, Ill. Handb. Laubh. 1: 633, fig. 346m-n (1906) "*cocumilia*."
- Prunus Cocomilia* a. *typica* Fiori & Paoletti, Fl. Anal. Ital. 1: 558 (1898).
- P. pseudoarmenica** Heldreich & Sartorelli ex Boissier, Diagn. Pl. Or. sér. 2, 5: 96 (1856).—Schneider, Ill. Handb. Laubh. 1: 634, fig. 346o (1906).
- P. ursina** Kotschy in Verh. Zool.-bot. Ges. Wien, 14: 435 (1864).—Schneider Ill. Handb. Laubh. 1: 634, fig. 346s-t, 348o (1906).
- P. salicina** Lindley in Trans. Hort. Soc. Lond. 7: 239 [1828].—Rehder in Jour. Arnold Arb. 5: 210 (1924).
- Prunus triflora* Roxburgh, Hort. Bengal. 38 (1814), nom.; Fl. Ind. [ed. 2], 2: 501 (1832), sphalm. "*trifolia*."—Hooker f., Fl. Brit. Ind. 2: 315 (1878).—Koehne in Sargent, Pl. Wilson. 1: 276 (1912), 580 (1913).—Nakai, Fl. Sylv. Kor. 5: 42, t. 26 (1916).—Non Rafinesque (1820).
- Prunus domestica* sensu Bunge in Mém. Div. Sav. Acad. Sci. Pétersb. 2: 96 (Enum. Pl. Chin. Bot. 22. 1833) (1835).
- Prunus communis* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 88; (in Mém. Biol. 11: 677) (1883), non Hudson (1762).
- Prunus Hattian* Tamari ex Bailey, Cycl. Am. Hort. [3]: 1448 (1901), pro syn.
- Prunus ichangana* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 50 (1905).
- Prunus Botan* André in Rev. Hort. 1895: 160, t. (1895).—Koehne in Sargent, Pl. Wilson. 1: 280 (1912), pro syn.
- Prunus Masu* Hort. ex Koehne, l. c. (1912), pro syn.; per error. pro *Maru*.—Bailey, Stand. Cycl. Hort. 5: 2826 (1916), pro syn.
- P. salicina** var. *pubipes* (Koehne) Bailey in Rhodora, 18: 155 (1916).—Nakai in Bot. Mag. Tokyo, 47: 250 (1933).
- Prunus triflora* var. *pubipes* Koehne in Sargent, Pl. Wilson. 1: 280 (1912).
- P. bokhariensis** Royle, Ill. Bot. Himal. 205 [1835], nom.—Schneider in Repert. Sp. Nov. Reg. Veg. 1: 51 (1905); Ill. Handb. Laubh. 1: 627 (1906).
- P. consociiflora** Schneider in Repert. Sp. Nov. Reg. Veg. 1: 54 (1905); Ill. Handb. Laubh. 1: 612 (1906); 2: 990 (1912).
- P. gymnodonta** Koehne in Sargent, Pl. Wilson. 1: 279 (1912).—Schneider, op. cit. 2: 990 (1912).
- P. Simonii** Carrière in Rev. Hort. 1872: 111, t. (1872). *Persica Simonii* Decaisne, Jard. Fruit. 7: 43 (1872–75). *Prunus Persica* γ. *necturina*, Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 83 (in Mém. Biol. 11: 669) (1883), p. p.
- P. sultana** (*P. salicina* × *Simonii*) Voss in Putlitz & Meyer, Landlex. 5: 345 (1914).
- Prunus triflora* × *Simoni* Hedrick, Plums New York, 376, t. (State New York Dept. Agric. Ann. Rep. 18, vol. 3,2) (1911).
- Sect. 2. *PRUNOCERASUS* Koehne, Deutsche Dendr. 306, 31C (1893).
- P. subcordata** Benthham, Pl. Hartweg. 308 [1848].—Sargent, Silva N. Am. 4: 31, t. 154 (1892).
- P. subcordata** var. *Kelloggii* Lemmon in Pittonia, 2: 67 (1890).
- P. maritima** Marshall, Arbust. Am. 112 (1785).—Wangenheim, Beytr. Deutsch. Forstw. Nordam. Holzart. 103 (1787).—W. F. Wight in U. S. Dept. Agric. Bull. 179: 55, t. 5, fig. 1, t. 12, fig. 14–17 (Native Am. Sp. *Prunus*). (1915).
- Prunus declinata* Marshall, Arbust. Am. 112 (1785), nom. subnud.
- Prunus pygmaea* Willdenow, Berlin. Baumz. 248 (1796).
- Prunus sphaerocarpa* Michaux, Fl. Bor.-Am. 1: 284 (1803), non Swartz (1788).
- Prunus acuminata* Michaux, l. c. (1803).
- Prunus sphaerica* Willdenow, Berlin. Baumz. ed. 2, 315 (1811).
- Cerasus pygmaea* Loiseleur in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 5: 32 [1812].

**Prunus maritima** (continued)

- Prunus pubescens* Pursh, Fl. Am. Sept. 1: 331 (1814). — ?Poiret, Encycl. Méth. Bot. Suppl. 4: 584 (1816).  
*Prunus littoralis* Bigelow, Fl. Boston. ed. 2, 193 (1824).  
*Cerasus pubescens* Seringe in De Candolle, Prodr. 2: 538 (1825).  
*Prunus reclinata* Bosc ex Spach, Hist. Vég. Phan. 1: 398 (1834).  
*Prunus pubigera* Steudel, Nomencl. Bot. ed. 2, 2: 404 (1841).  
*Prunus Poiretiana* Heynhold, Nomencl. Bot. Hort. 2: 564 (1846).
- P. maritima f. flava** G. S. Torrey in Rhodora, 16: 92 (1914).  
*Prunus maritima* var. *fructu-luteo* Bean, Trees Shrubs Brit. Isl. 2: 243 (1914).  
*Prunus maritima* var. *lutea magna* et var. *lutea parva* Pennypacker in Contrib. Bot. Lab. Univ. Pennsylv. 4: 261, 263, t. 66–67, 69–70, fig. 4, 8, 17, 22 (1919).
- P. Dunbarii** (*P. americana* × *maritima*) Rehder in Jour. Arnold Arb. 3: 18 (1922).
- P. Gravesii** Small in Bull. Torrey Bot. Club, 24: 45 (1897). — W. F. Wight in U. S. Dept. Agric. Bull. 179: 57, t. 12, fig. 18–19 (1915).
- P. alleghaniensis** Porter in Bot. Gaz. 2: 85 (1877). — Sargent, Silva N. Am. 4: 27, t. 153 (1892).
- P. alleghaniensis** var. *Davisii* (W. F. Wight) Sargent, Man. Trees N. Am. ed. 2, 567 (1922).  
*Prunus alleghaniensis Davisii* W. F. Wight in U. S. Dept. Agric. Bull. 179: 51, t. 5, fig. 3, t. 12, fig. 4–6 (1915).
- P. umbellata** Elliott, Sketch Bot. S. Carol. 1: 541 (1816). — Sargent, Silva N. Am. 4: 52, t. 155 (1892).
- P. umbellata** var. *injucunda* (Small) Sargent, Silva N. Am. 13: 21, t. 631 (1902).  
*Prunus injucunda* Small in Bull. Torrey Bot. Club, 25: 149 (1898).  
*Prunus mitis* Beadle in Biltmore Bot. Stud. 1: 162 (1902).
- P. umbellata** var. *tarda* (Sarg.) Sargent, Man. Trees N. Am. ed. 2, 559, fig. 514 (1922).  
*Prunus tarda* Sargent in Bot. Gaz. 33: 108 (1902).  
*Prunus umbellata tarda* W. F. Wight in U. S. Dept. Agric. Bull. 179: 54 (1915).
- P. mexicana** S. Watson in Proc. Am. Acad. Arts Sci. 17: 353 (1882). — W. F. Wight in op. cit. 29, t. 2, fig. 1, t. 8, fig. 17–24 (1915). — Sargent in Jour. Arnold Arb. 2: 113 (1920); Man. Trees N. Am. ed. 2, 565, fig. 519 (1922).  
*Prunus americana* β. *mollis* Torrey & Gray, Fl. N. Am. 1: 407 (1840), p. p.  
*Prunus australis* Munson ex Waugh in Bot. Gaz. 26: 52 (1898).  
*Prunus arkansana* Sargent, Trees & Shrubs, 2: 157, t. 165 (1911).
- P. mexicana** × *salicina* Rehder in Man. Cult. Trees Shrubs N. Am. 458 (1927), nom.  
*Prunus mexicana* × *triflora* W. F. Wight in U. S. Dept. Agric. Bull. 179: 31 (1915), nom.
- P. mexicana** × *Reverchoni* W. F. Wight, l. c. (1915), nom.
- P. lanata** (Sudw.) Mackenzie & Bush in Mackenzie, Man. Fl. Jackson Co. 109 (1902). — Sargent, Man. Trees N.

- Am. ed. 2, 563, fig. 517 (1922). — Bush in Am. Midland Nat. 16: 254 (1935).
- Prunus americana* β. *mollis* Torrey & Gray, Fl. N. Am. 1: 407 (1840), p. p.
- Prunus americana lanata* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 237 (Nomencl. Arb. Fl. U. S.) (1897). — W. F. Wight in U. S. Dept. Agric. Bull. 179: 27 (1915).
- Prunus Palmeri* Sargent, Trees & Shrubs, 2: 247, t. 192 (1913).
- P. americana** Marshall, Arbust. Am. 111 (1785). — Sargent, Silva N. Am. 4: 19, t. 150 (1892).  
*Prunus latifolia* Moench, Verz. Ausl. Bäume Weissenst. 85 (1785).  
*Prunus hiemalis* Michaux, Fl. Bor.-Am. 1: 284 (1803).  
*Prunus acinaria* Desfontaines, Tabl. Ecole Bot. Mus. Hist. Nat. 179 (1804), nom.  
*Prunus coccinea* Rafinesque, Fl. Ludovic. 135 (1817); Med. Fl. 253 (1830).  
*Cerasus americana* Hooker & Arnott in Comp. Bot. Mag. 1: 24 (1835).  
*Prunus ignotus* Nelson in Bot. Gaz. 42: 53 (1906).
- P. americana** × *salicina* Rehder in Man. Cult. Trees Shrubs, 458 (1927).  
*Prunus americana* × *triflora* W. F. Wight in U. S. Dept. Agric. Bull. 179: 27, t. 13, fig. 9 (Nat. Amer. Sp. Prunus) (1915).
- P. americana** × *hortulana* W. F. Wight, l. c. (1915), nom.
- P. americana** × *Munsoniana* W. F. Wight, l. c. (1915), nom.
- P. americana** × *pumila* W. F. Wight, l. c. (1915), nom.
- P. americana** × *utahensis* W. F. Wight in op. cit. 27, 70 (1915), nom. subnud.
- P. americana** × *Simoni* N. E. Hansen in Ann. Rep. S. Dakota State Hort. Soc. 7: 151 (1910).
- P. nigra** Aiton, Hort. Kew. 2: 165 (1789). — Sargent, Silva N. Am. 4: 15, t. 149 (1892).  
*Cerasus nigra* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 32 [1812].  
*Prunus mollis* Torrey, Fl. N. Middle U. S. 1: 470 (1824).  
*Prunus americana* sensu Torrey & Gray, Fl. N. Am. 1: 407 (1840), p. p.; non Marshall (1785).  
*Prunus americana nigra* Waugh in Vermont Agric. Exp. Sta. Bull. 53: 58, 102 (1896).
- P. hortulana** Bailey in Gard. & For. 5: 90 (1892). — Sargent, Silva N. Am. 4: 23, t. 151 (1892). — W. F. Wight in U. S. Dept. Agric. Bull. 179: 33, t. 3, fig. 1, t. 10, fig. 1–12 (Native Am. Sp. Prunus) (1915).  
*Prunus hortulana* var. *Waylandi* Bailey, Cycl. Am. Hort. [3]: 1450 (1901).
- P. hortulana** var. *Mineri* Bailey in Cornell Agric. Exp. Sta. Hort. Div. Bull. 38: 23 (Cult. Native Plums Cherr.) (1892).
- P. hortulana** var. *pubens* Sargent, Trees & Shrubs, 2: 248 (1913).
- P. hortulana** × *salicina* Rehder, Man. Cult. Trees Shrubs, 459 (1927), nom.  
*Prunus hortulana* × *triflora* W. F. Wight in U. S. Dept.



- Agric. Bull. **179**: 36 (Native Am. Sp. *Prunus*) (1915), nom.
- P. hortulana** × **americana** W. F. Wight, l. c. (1915), nom.
- P. hortulana** × **Munsoniana** W. F. Wight, l. c. (1915), nom.
- P. Munsoniana** Wight & Hedrick in Hedrick, Plums New York, 88, t. 378, t. (State New York Dept. Agric. Ann. Rep. 18, vol. **3,2**) (1911).—Sargent, Man. Trees N. Am. ed. 2, 568, fig. 522 (1922).  
*Prunus hortulana* sensu Bailey in Cornell Univ. Agric. Exp. Sta. Hort. Div. Bull. **38**: 16 (1892, June), p. p.; non Bailey (1892, Feb.).
- P. Munsoniana** × **salicina** Rehder, Man. Cult. Trees Shrubs, 459 (1927), nom.  
*Prunus Munsoniana* × *triflora* W. F. Wight in U. S. Dept. Agric. Bull. **179**: 42 (Native Am. Sp. *Prunus*) (1915), nom.
- P. Munsoniana** × **sultana** Rehder, Man. Cult. Trees Shrubs, 456 (1927), nom.  
*Prunus munsoniana* × *simonii* [(*munsoniana* × *triflora*) × (*triflora* × *simonii*)] W. F. Wight, l. c. (1915), nom.
- P. Munsoniana** × **americana** W. F. Wight, l. c. (1915), nom.
- P. Munsoniana** × **hortulana** W. F. Wight, l. c. (1915), nom.
- P. Munsoniana** × **angustifolia** W. F. Wight, l. c. (1915), nom.
- P. Munsoniana** × **Persica** Rehder, Man. Cult. Trees Shrubs, 459 (1927), nom.  
*Prunus Munsoniana* × *Amygdalus persica* W. F. Wight, l. c. (1915), nom.
- P. Reverchonii** Sargent, Trees & Shrubs, **2**: 158 (1911).—W. F. Wight in U. S. Dept. Agric. Bull. **179**: 37, t. 3, fig. 2, t. 10, fig. 13–22 (Native Am. Sp. *Prunus*) (1915).  
*Prunus pygma* Munson in Am. Gard. **10**: 175 (1889), non *P. pygmaea* Willdenow (1796).
- P. Reverchonii** × **?mexicana** W. F. Wight in op. cit. 39 (1915) "*P. Reverchonii* Hybrid."
- P. rivularis** Scheele in Linnaea, **21**: 594 (1848).  
*Prunus texana* Scheele in op. cit. 593 (1848), non D. Dietrich (1843).
- P. angustifolia** Marshall, Arbust. Am. 111 (1785).—Sargent, Silva N. Am. **4**: 25, t. 152 (1892).  
? *Prunus insititia* sensu Walter, Fl. Carol. 146 (1788), non Linnaeus (1755).  
*Prunus chicasa* Michaux, Fl. Bor.-Am. **1**: 284 (1803).  
*Prunus stenophylla* Rafinesque, Fl. Ludov. 98 (1817).  
*Cerasus chicasa* Seringe in De Candolle, Prodr. **2**: 538 (1825).  
*Prunus chicasa* β. *angustifolia* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 58 (1847).
- P. angustifolia** var. **Watsoni** (Sarg.) Bailey, Cycl. Am. Hort. [3]: 1450 (1901).  
*Prunus Watsoni* Sargent in Gard. & For. **7**: 134, fig. 25 (1894).  
*Prunus angustifolia watsoni* Waugh in Vermont Agric. Exp. Sta. Ann. Rep. **12**: 239 (1899).
- P. angustifolia** var. **varians** (Wight & Hedr.) Schneider, Ill. Handb. Laubh. **2**: 990 (1912).
- Prunus angustifolia varians* Wight & Hedrick in Hedrick, Plums New York, 87 (State N. York Dept. Agric. Ann. Rep. 18, vol. **3,2**) (1911).—W. F. Wight in U. S. Dept. Agric. Bull. **179**: 45 (Native Am. Sp. *Prunus*) (1915).
- P. orthosepala** (*P. americana* × *angustifolia* var. *Watsoni*) Koehne, Deutsche Dendr. 311 (1893).—Schneider, Ill. Handb. Laubh. **1**: 621, fig. 344c-d<sup>2</sup>, 345l (1906).—W. F. Wight in op. cit. 47, t. 4, fig. 3, t. 13, fig. 1 (1915).
- P. Slavinii** (*P. angustifolia* var. *varians* × *gracilis*) E. J. Palmer in Jour. Arnold Arb. **14**: 208 (1933).
- P. angustifolia** × **salicina** Rehder, Man. Cult. Trees Shrubs, 460 (1927), nom.  
*Prunus triflora* × *angustifolia varians*? Hedrick, Plums New York, 544 (State New York Dept. Agric. Ann. Rep. 18, vol. **3,2**) (1911).  
*Prunus angustifolia* × *triflora* W. F. Wight in U. S. Dept. Agric. Bull. **179**: 44, t. 13, fig. 13 (Native Am. Sp. *Prunus*) (1915).
- P. angustifolia** var. **varians** × **Munsoniana** W. F. Wight in op. cit. 46 (1915), nom.
- P. gracilis** Engelm. & Gray in Boston Jour. Nat. Hist. **5**: 243 (1845).—W. F. Wight in op. cit. 57, t. 7, fig. 1, t. 12, fig. 20, 21 (1915).  
*Prunus chicasa* β. ? *normalis* Torrey & Gray, Fl. N. Am. **1**: 407 (1840).  
*Prunus normalis* Small, Fl. Southeast. U. S. 572 (1903).
- P. venulosa** Sargent, Trees & Shrubs, **2**: 157 (1911).—W. F. Wight in U. S. Dept. Agric. Bull. **179**: 59, t. 7, fig. 2, t. 12, fig. 22–24 (Native Am. Sp. *Prunus*) (1915).
- Sect. 3. ARMENIACA [Mill.] Koch, Syn. Fl. Germ. Helv. **1**: 205 (1837).—Bentham & Hooker f., Gen. Pl. **1**: 610 (1865).—Nakai, Fl. Sylv. Kor. **5**: 38 (1915) "subgen."  
*Armeniaca* Miller, Gard. Dict. abridg. ed. 4, **1** (1754), nom. subnud.; fol. ed. 8, (1768).—Kostina in Komarov, Fl. S. S. S. R. **10**: 584 (1941).  
*Prunus-Armeniaca* Weston, Bot. Univ. **1**: 224 (1770).  
*Prunus rotte Armeniacae* Mertens & Koch in Röhling, Deutschl. Fl. **3**: 410 (1831).
- P. brigantina** Villars, Prosp. Hist. Pl. Dauph. 49 (1779); Fl. Delphin. 49 (in Linnaeus ed. Gilibert, Syst. Pl. Eur. **1**) (1785); Hist. Pl. Dauph. **1**: 299 (1786).—Chiovenda in Bull. Soc. Bot. Ital. **1923**: 97 (1923).  
*Prunus brigantiaca* Villars, Fl. Dauph. **1**: 380 (1786), nom.; **3**: 535 (1789).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 132 (1906).  
*Armeniaca brigantiaca Persoon*, Syn. Pl. **2**: 36 [1806].  
*Prunus Armeniaca* subsp. *brigantiaca* Dippel, Handb. Laubh. **3**: 632 (1893).
- P. mandshurica** (Maxim.) Koehne, Deutsche Dendr. 318 (1893).—Nakai, Fl. Sylv. Kor. **5**: 40, t. 25 (1915).  
*Prunus Armeniaca* var. *mandshurica* Maximowicz in Bull. Acad. Sci. St. Pétersb. **29**: 84 (in Mém. Biol. **11**: 675) (1883).  
*Armeniaca manshurica* Skvortzov in Bull. Appl. Bot. (Pl. Breed.) **22,3**: 223, fig. 7–9 (1929).—Kostina in Komarov, Fl. S. S. S. R. **10**: 596, t. 38, fig. 2 (1941).
- P. sibirica** Linnaeus, Sp. Pl. 474 (1753).—Schneider, Ill. Handb. Laubh. **1**: 636, fig. 349c, 350g-h<sup>1</sup> (1906).  
*Armeniaca sibirica* Lamarck, Encycl. Méth. Bot. **1**: 3 (1789).—Kostina in Komarov, Fl. S. S. S. R. **10**: 590, t. 38, fig. 4 (1941).

**Prunus sibirica** (continued)

- Prunus Armeniaca* var. *sibirica* K. Koch, Dendr. 1: 88 (1869).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 86 (in Mél. Biol. 11: 637) (1883).
- P. Armeniaca** Linnaeus, Sp. Pl. 474 (1753).—Schneider, Ill. Handb. Laubh. 1: 637, fig. 349d, 350i-l (1906).  
*Prunus-Armeniaca Armeniaca* Weston, Bot. Univ. 1: 224 (1770).  
*Armeniaca vulgaris* Lamarck, Encycl. Méth. Bot. 1: 2 (1789).—Kostina in Komarov, Fl. S. S. S. R. 10: 586, t. 38, fig. 1 (1941).  
*Prunus tiliifolia* Salisbury, Prodr. Stirp. Chap. Allert. 350 (1796).  
*Armeniaca macrocarpa* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 1: A. no. 8; t. 104, fasc. 18 [1810].  
*Armeniaca duracina* Dierbach in Mag. Pharm. 20: 23 (Uebers. Heidelb. Wildw. Pfl.) (1827).  
*Armeniaca praecox* et *A. tardiflora* Poiteau & Turpin in op. cit. A. no. 1, 2; t. 265, 266; fasc. 45? [1828].  
*Armeniaca mera* Poiteau & Turpin in op. cit. A. no. 6; t. 272, fasc. 46? [1828].—Poiteau, Pomol. Franç. 1: A. no. 5; p. 104\*, t. 272 (18[38-]46).—Durand & Jackson in Index Kew. Suppl. 1(Add.): 469 [1906] "*A. mira*" sphalm.; pro syn.  
*Armeniaca Mongamertia* Poiteau & Turpin in op. cit. A. no. 7; t. 273, fasc. 46? [1828].  
*Armeniaca communis* et *A. batavica* et *A. provincialis* Poiteau & Turpin in op. cit. A. no. 3; t. 355, no. 4; t. 359, no. 5, p. 359\*, fasc. 60 [1830].  
*Armeniaca Armeniaca* Huth in Helios, 11: 123 (1893).  
*Armeniaca sativa* Lam. ex Mouillefert, Traité Arb. Arbriss., atlas, p. ii, t. 23 (1898) "*sativa*", sphalm. pro "*vulgaris*"?  
*Prunus Armeniaca* var. *typica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 86 (in Mél. Biol. 11: 674) (1883).  
*Prunus Armeniaca* subsp. *vulgaris* Zabel in Beissner et al., Handb. Laubh.-Ben. 253 (1903).
- P. Armeniaca f. variegata** [West.] Zabel, l. c. (1903) "(f.)"—Schneider, Ill. Handb. Laubh. 1: 637 (1906).  
*Prunus-Armeniaca Armeniaca* 2. *variegata* Weston, Bot. Univ. 1: 224 (1770).
- P. Armeniaca f. pendula** (Jäg.), grad. nov.  
*Prunus Armeniaca* var. *pendula* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 260 (1884).—Dippel, Handb. Laubh. 3: 631 (1893).
- P. Armeniaca** var. **Ansu** Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 87 (in Mél. Biol. 11: 676) (1883).  
*Prunus Ansu* Komarov in Act. Hort. Petrop. 22: 541 (Fl. Mansh. II.) (1904).—Nakai, Fl. Sylv. Kor. 5: 41 (1915).  
*Armeniaca ansu* (Komar.) Kostina in Komarov, Fl. S. S. S. R. 10: 585 (1941).
- P. Mume** Siebold & Zuccarini, Fl. Jap. 1: 29, t. 11 [1836].—Schneider, Ill. Handb. Laubh. 1: 637, fig. 349a, 350m-o (1906).  
*Armeniaca mume* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12,1: 69, no. 367 (Syn. Pl. Oecon. [1828?]) (1830), nom.  
*Prunus Mume a. typica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 84 (in Mél. Biol. 11: 672) (1883).  
*Prunus Myrobalana fl. roseis* Hort. gall. [ex Nicholson] in Kew Handlist Trees Shrubs, 1: 133 (1894), pro syn.  
*Prunus Mume* var. *rosea* C. Ingram in Gard. Chron. ser. 3, 119: 107, fig. 51 (p. 115) (1946).
- P. Mume f. alba** (Carr.) Rehder in Jour. Arnold Arb. 3: 21 (1921).  
*Armeniaca mume* var. *alba* Carrière in Rev. Hort. 1885: 566, fig. 102 (1885) (f.).
- P. Mume f. Alphandi** (Carr.) Rehder in Jour. Arnold Arb. 3: 21 (1921) "*Alphandii*."  
*Armeniaca mume* var. *Alphandi* Carrière in Rev. Hort. 1885: 564, t. (1885).  
*Prunus Mume* (f.) *rosea plena* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 253 (1903), nom.  
*Prunus Myrobalana rosea plena* hort. ex Zabel, l. c. (1903), pro syn.  
*Prunus Mume roseiplena* Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 70, 71 [1918], nom.  
*Prunus cerasifera flore pleno* Ch. Baltet ex Späth, Kat. 62: 86 (1885) et *P. c. roseo-plena* Späth, Kat. 154: 112 (1912) ex Koehne, l. c. [1918], pro syn.  
*Prunus Mume* var. *grandiflora* C. Ingram in Gard. Chron. ser. 3, 95: 237, fig. 126 (p. 263) (1934).
- P. Mume f. splendens** (Sprenger), grad. nov.  
*Prunus Mume rubra plena* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 253 (1903), nom.  
*Prunus Myrobalana rubra plena* hort. ex Zabel, l. c. (1903), pro syn.  
*Prunus Mume splendens plena* Sprenger in Mitt. Deutsch. Dendr. Ges. 1913(22): 235 [1914].  
*Prunus Mume purpurea plena* [hort. ex] Sprenger in op. cit. [1914].
- P. Mume f. albo-plena** (Bailey), grad. nov.  
*Prunus Mume* var. *alba plena* A. Wagner in Gartenfl. 52: 169, t. 1513b (1903).—Bean, Trees Shrubs Brit. Isl. 2: 244 (1914) "(f.)"  
*Prunus Mume* var. *flore pleno* Dallimore in Garden, 69: 186, fig. (1906).  
*Prunus Mume* var. *albo-plena* Hort. ex Bailey, Stand. Cycl. Hort. 5: 2824 (1916).
- P. Mume f. pleiocarpa** (Maxim.) Zabel in Beissner et al., Handb. Laubh.-Ben. 253 (1903).  
*Prunus Mume* var. *pleiocarpa* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 85 (in Mél. Biol. 11: 673) (1883).—[Makino in Jour. Jap. Bot. 8(7): suppl. tab. 1932.]
- P. Mume f. laciniata** Maximowicz, l. c. (672) (1883).
- P. Mume f. pendula** (Sieb.), grad. nov.  
*Prunus Mume* var. *pendula* Siebold in Jaarb. Nederl. Maatsch. Amoe. Tuinb. 1848: 47 (1848).—Bean, Trees Shrubs Brit. Isl. 2: 244 (1914).
- P. Mume** var. **tonsa** Rehder in Jour. Arnold Arb. 3: 19 (1922).  
*Prunus Mume* sensu Koehne in Sargent, Pl. Wilson. 1: 278 (1912), quoad specim. citata; non Siebold & Zucc. (1826).
- P. Mume** var. **microcarpa** Makino in Bot. Mag. Tokyo, 22: 71 (1908).
- P. Mume** var. **viridicalyx** Makino, l. c. (1908).
- P. Mume** var. **cryptopetala** Makino, l. c. (1908).
- P. Mume** var. **Bungo** Makino, l. c. (1908).—Koehne in Sargent, Pl. Wilson. 1: 281 (1913) "*Bungei*" sphalm.
- P. Mume** var. **Goethartiana** Koehne, l. c. (1913).
- P. Mume** var. **dasycarpa** Ehrhart, Beitr. Naturk. 6: 90 (1791).—Schneider, Ill. Handb. Laubh. 1: 633, fig. 348h-k, 349f (1906).

- Armeniaca dasycarpa* Borkhausen in Archiv für Bot. (Römer) **1**, 2: 37 (1797); Theor.-prakt. Handb. Forstbot. **2**: 1392 (1803).—Kostina in Komarov, Fl. S. S. S. R. **10**: 598 (1941).
- Armeniaca fusca* Turpin & Poiteau in Duhamel, Traité Arb. Fruit. nouv. éd., **1**: A. no. 9; p. 19, fasc. 4 [1807].—Duhamel ex Rennie in Mag. Bot. Gard. **1**: 132, t. 18, fig. 7 (1833).
- Armeniaca atropurpurea* Loiseleur in Duhamel, Traité Arb. Arbust. Cult. France, éd. augm. [Nouv. Duhamel] **5**: 172, t. 51, fig. 1 [1812].
- Prunus nigra* Desfontaines, Cat. Pl. Hort. Paris, ed. 3, 297 (1829), non Aiton (1789).
- Prunus Armeniaca* var. *dasycarpa* K. Koch, Dendr. **1**: 88 (1869).
- Prunus cerasifera* × *Armeniaca* Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 134 (1906).
- P. dasycarpa f. persicifolia** (Loiseleur) Rehder in Jour. Arnold Arb. **27**: 318 (1946).
- Armeniaca persicaefolia* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., **1**: A. no. 10; p. 19\*, t. 19<sup>[b1a]</sup> fasc. 4 [1807].—Poiteau, Pomol. Franç. **1**: A. no. 9; p. 160\*, t. 19<sup>[b1a]</sup> (18[38–]46.—K. Koch, Dendr. **1**: 89 (1869) "*persicifolia*", pro syn.
- Armeniaca atropurpurea* β. *Armeniaca persicaefolia* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] **5**: 172, t. 52, fig. 1 [1812].—K. Koch, Dendr. **1**: 89 (1869).
- Armeniaca dasycarpa* β.? *persicifolia* Seringe in De Candolle, Prodr. **2**: 532 (1825), p. p. typ.
- Prunus Armeniaca* (f.) *persicifolia* (Loisel.) Zabel in Beissner et al., Handb. Laubh.-Ben. 253 (1903).
- Subgen. II. AMYGDALUS (L.) Benth & Hooker f., Gen. Pl. **1**: 610 (1865) "sect.".—Focke in Nat. Pflanzenfam. III. **3**: 53 (1888).
- Amygdalus* Linnaeus, Sp. Pl. 472 (1753); Gen. Pl. ed. 5, 212, no. 545 (1754).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. **10**: 522 (1941).
- Persica* Miller, Gard. Dict. abridg. ed. 4 (1754); fol. ed., ed. 8 (1768).—Borkhausen in Archiv für Bot. (Römer) **1**, 2: 37 (1795).
- Amygdalus-Persica* Weston, Bot. Univ. **1**: 7 (1770).
- Amygdalophora* Necker, Elem. Bot. **1**: 70, no. 717 (1790).
- Trichocarpus* Necker, l. c. no. 718 (1790).
- Amygdalus* a. *Amygdalophora* Endlicher, Gen. Pl. 1250 (1840).
- Amygdalus* b. *Persica* Endlicher, l. c. (1840).
- Amygdalus* sect. *Spartiioides*, sect. *Chamaeamygdalus*, sect. *Leptopus*, sect. *Euamygdalus*, sect. *Lycioides*, sect. *Scorpius* Spach in Ann. Sci. Nat. Bot., sér. 2, **19**: 107, 110, 113, 114, 120, 122 (Monog. Gen. Amygdalus, 2, 5, 8, 9, 15, 17,) (1843).
- Emplectocladus* Torrey in Smithsonian, Inst. Contrib. Knowl. **6**: 10 (Pl. Frémont.) (1853).
- Amygdalopsis* Carrière in Rev. Hort. **1862**: 91 (1862).
- Prunopsis* André in Rev. Hort. **1883**: 367 (1883).
- Prunus* subgen. *Emplectocladus* Focke in Nat. Pflanzenfam. III. **3**: 53 (1888).—Schneider, Ill. Handb. Laubh. **1**: 596 (1906) "subgen. *Amygdalus* sect. *E*."
- Prunus* subgen. *Chamaeamygdalus* Focke in op. cit. 54 (1888).—Schneider in op. cit. 599 (1906) "subgen. *Amygdalus* sect. *Ch*."
- Prunus* subgen. *Amygdalus* sect. *Spartiioides* Schneider, op. cit. 589 (1906).
- Amygdalus* subgen. *Amygdalopsis* Popov in Bull. Appl. Bot. (Pl. Breed.) **22**, 3: 359 (1929).
- Amygdalus* sect. *Amygdalopsis* et sect. *Cerasioides* Linchevski in Komarov, Fl. S. S. S. R. **10**: 545, 546 (1941).
- P. Amygdalus** Batsch, Beytr. Entw. Pragm. Gesch. Natur-Reiche, **1**: 30 (1801).—Stokes, Bot. Med. **3**: 101 (1812).—Junger in Bot. Zeit. **36**: 426 (1878).
- Amygdalus communis* Linnaeus, Sp. Pl. 473 (1753).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. **10**: 524 (1941).
- Druparia amygdalus* [Clairville], Man. Herb. Suisse, 160 (1811).
- Amygdalus genuina* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., **1**: A. no. 1; t. 365, fasc. 61 ? [1830].
- Prunus communis* Arcangeli, Comp. Fl. Ital. 209 (1882).—Fritsch in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, **101**: 632 (1892).—Non Hudson (1762).
- Prunus communis* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 593 (1906, May).
- P. Amygdalus f. variegata** (Schneid.) Rehder in Jour. Arnold Arb. **20**: 99 (1939).
- Amygdalus communis* fol. *variegatis* F. J. Schultz, Abb. Bäume Oester. **1**: t. 24 (1792).
- ?*Amygdalus heterophylla* Poiteau & Turpin, Traité Arb. Fruit. nouv. éd., **1**: A. no. 7; t. 353, fasc. 59? [1830].
- Amygdalus communis* (f.) *variegata* Zabel in Beissner et al., Handb. Laubh.-Ben. 235 (1903), nom.
- Prunus communis* f. *variegata* Schneider, Ill. Handb. Laubh. **1**: 593 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 138 (1906) "monstr. v."
- P. Amygdalus f. albo-plena** (Schneid.) Rehder in Jour. Arnold Arb. **20**: 99 (1939).
- Amygdalus communis* (f.) *alba plena* Zabel in Beissner et al., Handb. Laubh.-Ben. 235 (1903), nom.
- Prunus communis* f. *albaplena* Schneider, Ill. Handb. Laubh. **1**: 593 (1906); Regist. 82 (1912) "*albo-plena*".—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 138 (1906) "monstr. albiplena".
- P. Amygdalus f. roseo-plena** (Schneid.) Rehder in Jour. Arnold Arb. **20**: 99 (1939).
- Amygdalus communis* flore pleno F. J. Schultz, Abb. Bäume Oestr. **1**: t. 25 (1792) ex Index Lond. **1**: 174 (1929).—Carrière in Rev. Hort. **1875**: 370, t. (1875).
- Amygdalus communis* (f.) *rosea plena* Zabel in Beissner et al., Handb. Laubh.-Ben. 235 (1903).
- Prunus communis* f. *roseaplena* Schneider, Ill. Handb. Laubh. **1**: 593 (1906); Regist. 82 (1912) "*roseoplena*".—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 138 (1906) "monstr. roseiplena".
- P. Amygdalus f. purpurea** (Schneid.) Rehder in Jour. Arnold Arb. **20**: 99 (1939).
- Amygdalus communis* (f.) *purpurea* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 235 (1903), nom.
- Prunus communis* f. *purpurea* Schneider, Ill. Handb. Laubh. **1**: 593 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, 2: 138 (1906) "monstr. p".
- P. Amygdalus f. angustifolia** [Jäg.] Dippel, Handb. Laubh. **3**: 603 (1893) "(f.)".
- ?*Amygdalus heterophylla* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. **1**: A. no. 7; t. 253, fasc. 59? [1830].
- Amygdalus decipiens* Poiteau & Turpin in op. cit. A. no. 8; t. 354, fasc. 59? [1830].
- Amygdalus communis* θ. *lanceaefolia* Hort. ex K. Koch, Hort. Dendr. 139 (1853), nom.
- Amygdalus communis* var. *angustifolia* Jäger, Ziergeh. **101** (1865).—Zabel in Beissner et al., Handb. Laubh.-Ben. 325 (1903) "(f.)"

**Prunus Amygdalus f. angustifolia** (continued)

*Amygdalus communis* (f.) *salicifolia* K. Koch, Dendr. 1: 81 (1869).

**P. Amygdalus f. pendula** (Jäg.), grad. nov.

*Amygdalus communis* var. *pendula* hort. ex Jäger, Ziergeh. 101 (1865).—Zabel in Beissner et al., Handb. Laubh.-Ben. 235 (1903) "(f.)."

*Prunus communis* f. *pendula* Schneider, Ill. Handb. Laubh. 1: 593 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 138 (1906) "lus. p."

*Prunus Amygdalus* var. *pendula* Bean, Trees Shrubs Brit. Isl. 2: 228 (1914).

**P. Amygdalus var. amara** (DC.) [Focke in] Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 1: 728 (1892) "β."

*Amygdalus communis* γ. Linnaeus, Sp. Pl. 473 (1753).

*Amygdalus communis* var. *amara* C. F. Ludwig, Neu. Wilde Baumz. 3 (1783), nom.—Borkhausen in Arch. für Bot. (Römer) 1,2: 37 (1797), nom.—De Candolle in Lamarck & De Candolle, Fl. Franç. 4: 486 (1805) "β."—Seringe in De Candolle, Prodr. 2: 530 (1825) "α."

*Amygdalus amara* Hayne, Getr. Darst. Beschr. Arzneik. Gew. 4: 39, p. [2], t. 39, fig. 1 (1816).—M. J. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 9 (1847).

*Prunus communis* f. *amara* Schneider, Ill. Handb. Laubh. 1: 593 (1906).

**P. Amygdalus var. sativa** [Ludwig] Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 1: 728 (1892) "α."

*Amygdalus communis* β. Linnaeus, Sp. Pl. 473 (1753).

*Amygdalus communis* var. *sativa* C. F. Ludwig, Neu. Wilde Baumz. 2 (1783).

*Amygdalus communis* α. *dulcis* Borkhausen in Arch. für Bot. (Römer), 1,2: 37 (1797), nom.—De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 486 (1805) "α."—Seringe in De Candolle, Prodr. 2: 530 (1825) "β."

*Amygdalus macrocarpa* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 1: A. no. 2; t. 122, fasc. 21 ? [1811].

*Amygdalus communis* Poiteau & Turpin in op. cit. A. no. 3; t. 144, fasc. 25? (181 ?) = Linnaeus (1753), p. p.

?*Amygdalus communis* δ. *macrocarpa* Seringe in De Candolle, Prodr. 2: 531 (1825).

*Amygdalus communis* var. b. *stenocarpa*, var. c. *sphaerocarpa* (p. 19), var. d. *microcarpa* Dierbach in Mag. Pharm. 20: 18–19 (Syst. Uebers. Heidelb. Wildw. Gew.) (1827).

*Amygdalus grandiflora* Poiteau & Turpin in op. cit. A. no. 12; t. 382, fasc. 64 ? [1830].

*Prunus Amygdalus* β. *dulcis* (D.C.) Koehne, Deutsche Dendr. 315 (1893).

*Prunus communis* f. *dulcis* Schneider, Ill. Handb. Laubh. 1: 593 (1906).

*Prunus communis* b. *sativa* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 138 (1906).

*Prunus Amygdalus* var. *macrocarpa* Bean, Trees Shrubs Brit. Isl. 2: 228 (1914).

**P. Amygdalus var. fragilis** (Borkh.) Focke in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 1: 728 (1892).—Koehne, Deutsche Dendr. 315 (1893) "γ."

*Amygdalus dulcis* C. F. Ludwig, Neu. Wilde Baumz. 3 (1783), nom. subnud.

*Amygdalus fragilis* Borkhausen, Vers. Forstbot. Beschr. Holzart. 201 (1790); Theor.-prakt. Handb. Forstbot. 2: 1377 (1803).—M. J. Roemer, Fam. Nat. Reg. Veg. Syn. 3: 8 (1847).

*Amygdalus mensarum* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 1: A. no. 4, t. 75, fasc. 13 [1808].

*Amygdalus communis* γ. *fragilis* Seringe in De Candolle Prodr. 2: 531 (1825).

*Amygdalus tenuis* et *A. minor* Poiteau & Turpin in op. cit. no. 5, t. 325; no. 6, t. 325<sup>b1</sup>, fasc. 55? [1829].

*Prunus communis* β. *fragilis* Arcangeli, Comp. Fl. Ital. 209 (1882).—Schneider, Ill. Handb. Laubh. 1: 593 (1906) "var."

**P. Amygdalo-Persica** (*P. Amygdalus* × *Persica*) (West.) Rehder in Jour. Arnold Arb. 3: 26 (1921).

*Amygdalus Amygdalo-Persica* Weston, Bot. Univ. 1: 7 (1770).

*Amygdalo-Persica* Duhamel ex Poirer in Duhamel, Traité Arb. Arbust. Cult. France, éd. augm. [Nouv. Duhamel] 4: 112 (1809), pro syn.

*Amygdalus hybrida* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. 1: A. no. 13; t. 133, fasc. 24? [1811].—Franz Schmidt, Oester. Allg. Baumz. 4: 27, t. 207 (1822).

*Amygdalus communis* ε. *persicoides* Seringe in De Candolle, Prodr. 2: 531 (1825).

?*Amygdalus communis persica* Risso, Hist. Nat. 327 (1826).

*Amygdalus Persico-amigdala* Reichenbach, Fl. Germ. Excurs. 647 (1832).

*Amygdalus communis* δ? *amygdalo-persica* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 115 (1843).

*Amygdalus communi-Persica* Klotzsch in Bonplandia, 6: 355 (1858).

*Amygdalus hortensis* Dochnahl, Sich. Führer Obstk. 4: 5 (1860).

*Prunus communis* δ. *amygdalo-persica* Arcangeli, Comp. Fl. Ital. 209 (1882).

*Prunus Amygdalus* δ. *persicoides* Koehne, Deutsche Dendr. 315 (1893).

*Amygdalus persicoides* Decaisne ex Mouillefert, Arb. Arbriss. Atl. t. 20 [1895?].

*Prunus persicoides* Vilmorin & Bois, Frutic. Vilmor. 61 (1904).

*Prunus persico-amigdala* Schneider, Ill. Handb. Laubh. 1: 593 (1906).

*Prunus Persica* × *communis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 139 (1906).

*Prunus Amygdalus* var. *praecox* Bean, Trees Shrubs Brit. Isl. 2: 228 (1914).

*Prunus Amygdalus* var. *Pollardii* Anon. in Gard. Chron. ser. 3, 97: 131, fig. 57 (1935).

*Amygdalus communis* var. *Pollardii* J. M. Ward ex C. Ingram in Gard. Chron. ser. 3, 100: 96 (1936).

*Amygdalus Pollardii* C. Ingram, l. c. (1936), pro syn.

*Prunus Pollardii* Hort. ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 463 (1940), pro syn.

**P. Fenzliana** Fritsch in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, 101: 632, fig. (1892).—Schneider, Ill. Handb. Laubh. 1: 593, fig. 333d, 334d-f (1906).

*Amygdalus Fenzliana* Lipsky in Act. Hort. Petrop. 14: 263 (1897).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 531, t. 33, fig. 2 (1941).

*Amygdalus Urtu* S. Tamamschjan in Repert. Sp. Nov. Reg. Veg. 38: 155 (1935), p. p.

*Amygdalus gjarnyensis* et *A. Grossheimii* S. Tamamschjan in op. cit. 391 (1935).

**P. scoparia** (Spach) Schneider, Ill. Handb. Laubh. 1: 590, fig. 332e-h (1906).

- Amygdalus scoparia* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 109 (1843).—Linchevski & Fedorov in Komarov, Fl. S. S. R. 10: 544, t. 34, fig. 4 (1941).
- P. spartioides** (Spach) Schneider, Ill. Handb. Laubh. 1: 590, fig. 332a-d (1906).
- Amygdalus spartioides* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 108 (1843).—Boissier, Fl. Or. 2: 641 (1872).
- P. Persica** (L.) Batsch, Beytr. Entw. Pragm. Gesch. Naturr. 30 (1801).—Stokes, Bot. Med. 3: 101 (1812).—Junger, Bot. Zeit. 36: 426 (1878).—Rehder in Jour. Arnold Arb. 5: 213 (1924); 13: 319 (1932).
- Amygdalus Persica* Linnaeus, Sp. Pl. 677 (1753).
- Persica vulgaris* Miller, Gard. Dict., ed. 8, P. no. 1 (1768).
- Amygdalus-Persica Persica* Weston, Bot. Univ. 1: 7 (1770).
- Amygdalus-Persica vulgaris* Weston, Fl. Angl. 2 (1775).
- Persica ispahemensis* Thouin in Ann. Mus. Hist. Nat. Paris, 8: 433 (1806), sphalm. "*ispahemensis*".—Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. 1: P. no. 7; t. 24, fasc. 4 ? [1807] "*hispahemensis*" in "Table" ad fin. vol.
- Amygdalus persica ispahemensis* Thouin in op. cit., 425 (1806), nom. altern.
- Persica cursonia* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 1: P. no. 5; t. 26, fasc. 5 ? [1807].
- Persica trecassina* Poiteau & Turpin in op. cit., P. no. 10; t. 101, fasc. 17 [1810].—Poiteau, Pomol. Franç. 1: P. no. 10; p. 151\*, t. 101 (18[38–]46), sphalm. "*Pyrus trecassinus*".
- Persica pulchella* Poiteau & Turpin in op. cit., P. no. 12; t. 135, fasc. 24 [1811].
- Persica mucronata* Poiteau & Turpin in op. cit., P. no. 23; t. 139, fasc. 25 [181 ?].
- Persica narbonensis* Poiteau & Turpin in op. cit., P. no. 21, t. 147, fasc. 25 ? [181 ?].
- Persica albida* Poiteau & Turpin in op. cit., P. no. 39, t. 154, fasc. 26 [181 ?].
- Persica heteroclita* Poiteau & Turpin in op. cit., P. no. 33; t. 225, fasc. 38 ? [1827].
- Persica maxima* Poiteau & Turpin in op. cit., P. no. 34; t. 226, fasc. 38 ? [1827].
- Persica mirabilis* Poiteau & Turpin in op. cit., P. no. 20; t. 227, fasc. 38 [1827].
- Persica ambigua* Poiteau & Turpin in op. cit., P. no. 30; t. 228, fasc. 38 [1827].
- Persica dubia* Poiteau & Turpin in op. cit., P. no. 31; t. 228<sup>bis</sup>, fasc. 38 [1827].
- Persica subcursonia* Poiteau & Turpin in op. cit., P. no. 9, t. 229, fasc. 39 ? [18.. ?].
- Persica succedanea* Poiteau & Turpin in op. cit., P. no. 17; t. 235, fasc. 40 ? [182 ?].
- Persica sanguinea* Poiteau & Turpin in op. cit., P. no. 6; t. 237, fasc. 40 ? [1827].
- Persica cunctabunda* Poiteau & Turpin in op. cit., P. no. 32; t. 238, fasc. 40 ? [1827].
- Persica flava* Poiteau & Turpin in op. cit., P. no. 18; t. 243, fasc. 41 ? [1827].
- Persica verrucosa* Poiteau & Turpin in op. cit., P. no. 16, t. 287, fasc. 48 [1829].
- Persica melitensis* Poiteau & Turpin in op. cit., P. no. 3; t. 309, fasc. 52 ? [1829].—Poiteau, Pomol. Franç. 1: P. no. 3; p. 36\*, t. 309 (18[38–]46) "*P. militensis*".
- Persica prisca* Poiteau & Turpin in op. cit., P. no. 37; t. 311, fasc. 52 [1829].
- Persica bauciana* Poiteau & Turpin in op. cit., P. no. 15; t. 314, fasc. 53 ? [1829].
- Persica cerasiana* Poiteau & Turpin in op. cit., P. no. 38; t. 315, fasc. 53 ? [1829].
- Persica mammosa* Poiteau & Turpin in op. cit., P. no. 22; t. 318, fasc. 53 ? [1829].
- Persica oblonga* Poiteau & Turpin in op. cit., P. no. 26, t. 356, fasc. 60 ? [1830].
- Persica bullata* Poiteau & Turpin in op. cit., P. no. 27; t. 357, fasc. 60 [1830].
- Persica crispa* Poiteau & Turpin in op. cit., P. no. 13, t. 364, fasc. 61, [1830].
- Persica praecox* Poiteau & Turpin in op. cit., P. no. 1; t. 367, fasc. 62 ? [1830].
- Persica Fromentina* Poiteau & Turpin in op. cit., P. no. 29; t. 369, fasc. 62 [1830].
- Persica mammillata* Poiteau & Turpin in op. cit., P. no. 14, t. 381, fasc. 64 ? [1830].
- Persica tenera* Poiteau & Turpin in op. cit., P. no. 4, t. 385, fasc. 65, [1830].
- Persica Newtonii* Poiteau & Turpin in op. cit., P. no. 35, t. 389, fasc. 65 [1830].
- Persica serotina* Poiteau & Turpin in op. cit., P. no. 36; t. 390, fasc. 65 [1830].
- Persica nana* Poiteau & Turpin in op. cit., P. no. 8; t. 401, fasc. 66 ? [1830].
- Persica accensa* Poiteau & Turpin in op. cit., P. no. 19; p. 419, t. 407, fasc. 68 ? [1834].
- Persica reperta* Poiteau & Turpin in op. cit., P. no. 2; p. 407, t. fasc. 68 ? [1834].
- Persica cancellaria* Poiteau & Turpin in op. cit., P. no. 28; t. 420, fasc. 70 [1835].
- Persica Merletii* Poiteau & Turpin in op. cit., P. no. 24; t. 421, fasc. 71 [1835].
- Persica vulgaris a. tomentosa* Moris, Fl. Sardoia, 2: 6 (1840).
- Persica communis* Duhamel ex Steudel, Nomencl. Bot., ed. 2, 1: 81 (1846).
- Prunus Persica β. vulgaris* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 82 (in Mém. Biol. 11: 668) (1883).
- Prunus Persica* var. *lasiocalyx* Léveillé & Vaniot in Bull. Soc. Bot. France, 55: 58 (1908).
- Prunus daemonifuga* Léveillé & Vaniot, l. c. (1908).
- P. Persica f. atropurpurea** Schneider, Ill. Handb. Laubh. 1: 594 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 137 (1906) "*lus. atripurpurea*".
- Amygdalus Persica foliis rubris* Van H[outte] in Fl. des Serr. 19: 95 t. 1986 (1873).
- Amygdalus Persica* var. *foliis atropurpureis* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 30 (1884).
- Persica vulgaris foliis rubris* Mouillefert, Arb. Arbriss. 1: 397 (1892).
- P. Persica f. alba** (Lindl.) Schneider, Ill. Handb. Laubh. 1: 594 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 137 (1906) "*lus. a.*"
- Amygdalus Persica alba* Lindley in Bot. Reg. 19: t. 1586 (1833).
- P. Persica f. duplex** (West.) Rehder in Jour. Arnold Arb. 3: 24 (1921).
- Amygdalus-Persica Persica 2. Persica-duplex* Weston, Bot. Univ. 1: 7 (1770).
- Amygdalus-Persica vulgaris 2. plena* Weston, Fl. Angl. 2 (1775).
- Amygdalus Persica δ. plena* Aiton, Hort. Kew. 2: 161 (1789).
- Amygdalus Persica β. multiplex* Bunge in Mém. Div. Sav. Sci. St. Pétersb. 2: 96 (Enum. Pl. Chin. Bor. 21. 1833) (1835).

**Prunus Persica f. duplex** (continued)

*Persica duplex* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 1: sign. 276, t. ([1807–]1835).

*Amygdalus Persica* (f.) *rosea plena* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 234 (1903), nom.

*Amygdalus Persica* var. *roseo-plena* [Nash] in Jour. New York Bot. Gard. 20: 11 (1919), nom.

**P. Persica f. camelliaeflora** (Van Houtte) Dippel, Handb. Laubh. 3: 606 (1893) “(f.)” — Schneider, Ill. Handb. Laubh. 1: 594 (1906) “f. *camelliflora* Fort.” — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 137 (1906) “lus. *camelliflora*.”

*Amygdalus Persica* var. *sinensis camelliaeflora* Van H[outte] in Fl. des Serr. 13: 17, t. 1299 (1858). — Lemaire in Ill. Hort. 5: t. 165 (1858).

*Amygdalus camelliaeflora* Hort. ex Morren in Belg. Hort. 8: 97, t. 26, fig. 1, t., p. 164, fig. (1858).

**P. Persica f. dianthiflora** (Van Houtte) Dippel, Handb. Laubh. 3: 606 (1893) “(f.)” — Schneider, Ill. Handb. Laubh. 1: 594 (1906) “f. d. Fort.” — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 137 (1906) “lus. d.”

*Amygdalus Persica* var. *sinensis dianthiflora* L. Van H[outte] in Fl. des Serr. 13: 17, t. 1300 (1858).

*Prunus Persica* f. *caryophyllodes* Voss, Vilmor. Blumen-gärt. 1: 232 [1894].

**P. Persica f. albo-plena** Schneider, Ill. Handb. Laubh. 1: 594 (1906).

*Amygdalus Persica* var. *sinensis hort. fl. albo semipleno* J. E. P[lanchon] in Fl. des Serr. 10: 1, t. 969 (1854).

*Amygdalus Persica* var. *albo-plena* [Nash] in Jour. New York Bot. Gard. 20: 11 (1919), nom.

**P. Persica f. rubro-plena** Schneider, Ill. Handb. Laubh. 1: 594 (1906).

*Amygdalus Persica* var. *sinensis hort. fl. rubro semipleno* J. E. P[lanchon] in Fl. des Serr. 10: 1, t. 969 (1854).

*Amygdalus Persica* var. *sinensis* Lemaire in Jard. Fleur. 4: t. 328, fig. (1854) “A. P. fl. pleno” in tab.

**P. Persica f. magnifica** Schneider, Ill. Handb. Laubh. 1: 594 (1906), nom.

*Prunus Persica* var. *magnifica* Bean, Trees Shrubs Brit. Isl. 2: 248 (1914). — Anon. in Gard. Chron. ser. 3, 104: 331, suppl. t. (1938).

**P. Persica f. versicolor** [Sieb.] Voss, Vilmor. Blumen-gärt. 1: 232 [1894]. — Koidzumi in Bot. Mag. Tokyo, 44: 94 (1930).

*Persica vulgaris* var. *versicolor* Siebold, Cat. Rais. 1863: 36 (1863).

*Amygdalus Persica* fl. *versicolori pleno* L. Van H[outte] in Fl. des Serr. 13: 51, t. 1319 (1858).

**P. Persica f. pyramidalis** Dippel, Handb. Laubh. 3: 606 (1893) “(f.)” — Schneider, Ill. Handb. Laubh. 1: 594 (1906). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 137 (1906) “lus.” — Bean, Trees Shrubs Brit. Isl. 2: 248 (1914) “var.”

*Persica fastigiata* Carrière in Rev. Hort. 1870: 557, in textu [1871]; 1888: 43 (1888) “Pêcher pyramidal”.

**P. Persica f. pendula** Dippel, Handb. Laubh. 3: 606 (1893) “(f.)” — Schneider, Ill. Handb. Laubh. 1: 594 (1906). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 137 (1906) “lus.” — Bean, Trees Shrubs Brit. Isl. 2: 248 (1914) “var.” — Koidzumi in Bot. Mag. Tokyo, 44: 95 (1930) “var.”

*Persica tristis* Dierbach, Grundriss Allg. Oekon.-tech. Bot. 2: 159 (1839).

*Prunus Persica Hanci pendula* hort. ex Dippel, Handb. Laubh. 3: 606 (1893), pro syn.

**P. Persica f. scleropersica** (Reichenb.) Voss in Putlitz & Meyer, Landlex. 6: 345 (1914).

*Persica vulgaris* sensu Risso, Hist. Nat. Prod. Eur. MÉR. 2: 94 (1826) = Miller (1768), p. p.

*Persica vulgaris* var.  $\beta$ . De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 487 (1805).

*Persica vulgaris* b. *Scleropersica* s. *Duracina* Dierbach in Mag. Pharm. 20: 21 (Syst. Uebers. Heidelb. Wildw. Gew.) (1827).

*Persica vulgaris* b. *Scleropersica* a. *leucocarpa*, b. *xanthocarpa* Dierbach, l. c. 21–22 (1827).

*Amygdalus Persica* b. *Scleropersica* s. *Duracina* Reichenbach, Fl. Germ. Excurs. 647 (1832).

*Amygdalus Persica* n. *Duracina* Dierbach ex Schübler & Martens, Fl. Würtemb. 305 (1834).

*Persica vulgaris* a. *tomentosa* \*\* *sympyrena*, Moris, Fl. Sardoia, 2: 7 (1840).

*Persica vulgaris*  $\eta$ . *Scleropersica* s. *duracina* K. Koch, Hort. Dendr. 140 (1853).

**P. Persica f. aganopersica** (Reichenb.) Voss in Putlitz & Meyer, Landlex. 6: 345 (1914).

*Persica domestica* Risso, Hist. Nat. Prod. Eur. MÉR. 2: 104 (1826).

*Persica vulgaris* a. *Aganopersica* Dierbach in Mag. Pharm. 20: 20 (Syst. Uebers. Heidelb. Wildw. Gew.) (1827).

*Persica vulgaris* a. *Aganopersica* a. *leucocarpa*, b. *xanthocarpa* (p. 21), c. *haematocarpa* Dierbach, op. cit. 20–21 (1827).

*Amygdalus Persica* a. *Aganopersica* Reichenbach, Fl. Germ. Excurs. 647 (1832).

*Persica vulgaris* a. *tomentosa*\* *diapyrena* Moris, Fl. Sardoia, 2: 6 (1840).

*Persica vulgaris* a. *aganopersica* K. Koch, Hort. Dendr. 140 (1853).

*Persica vulgaris* 2b. *isolata* Kuntze, Taschen-fl. Leipzig, 273 (1867).

**P. Persica var. Nectarina** (Ait.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 83 (in Mém. Biol. 11: 668) (1883) “ $\gamma$ . *nectarina*”.

*Amygdalus Persica*  $\beta$ . Linnaeus, Sp. Pl. 472 (1753).

*Persica nucipersica* Borkhausen, Vers. Forstbot. Beschr. Holzt. 205 (1790).

*Persica laevis* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 487 (1805).

*Amygdalus Persica*  $\beta$ . *Nectarina* Aiton f., Hort. Kew. ed. 2, 3: 194 (1811).

*Amygdalus glabra* Dec. ex Rafinesque, Med. Fl. 2: 191 (1830), nom. subnud.

*Amygdalus Persica* b. *Nucipersica* Schübler & Martens, Fl. Würtemb. 305 (1834).

*Persica vulgaris*  $\beta$ . *laevis* Koch, Syn. Fl. Germ. Helv. 205 (1837).

*Amygdalus laevis* Dietrich, Syn. Pl. 3: 42 (1852).

*Prunus Persica* subsp. *nucipersica* Dippel, Handb. Laubh. 3: 606 (1893). — Schneider, Ill. Handb. Laubh. 1: 594 (1906) “var.” — Koehne in Sargent, Pl. Wilson. 1: 275 (1912) “var.” — Asami, Crabappl. Nectar. Jap. 57 (1927) “var.”

**P. Persica f. scleronucipersica** Rehder in Jour. Arnold Arb. 3: 25 (1921) “var. *nucipersica* f. s.”

*Persica laevis* var.  $\beta$ . De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 487 (1805).

- Persica levis* Risso, Hist. Nat. Prod. Eur. MÉR. 2: 119 (1826).
- Amygdalus Persica* b. *Nucipersica* η. *Scleronucipersica* Schübler & Martens, Fl. Würtemb. 305 (1834).
- Persica vulgaris* β. *levis violacea* Moris, Fl. Sardoia, 2: 7 (1840).
- P. Persica** f. *aganonucipersica* Rehder in Jour. Arnold Arb. 3: 25 (1921) "var. *nucipersica* f. a."
- Persica laevis* var. a. De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 487 (1805).
- Persica violacea* Risso, Hist. Nat. Prod. Eur. MÉR. 2: 119 (1826).
- Amygdalus Persica* b. *Nucipersica* §. *Aganonucipersica* Schübler & Martens, Fl. Würtemb. 305 (1834).
- P. Persica** f. *compressa* (Loudon), grad. nov.
- Persica vulgaris* var. *compressa* Loudon, Arb. Brit. 2: 680, f. 397 (1838).
- Persica platycarpa* Decaisne, Jard. Fruit. 7: 42 (1872). — Carrière in Rev. Hort. 1870: 111, t. (1870).
- Prunus Persica* var. *platycarpa* Bailey, Cycl. Am. Hort. [4]: 1457 (1902).
- Prunus Persica* var. *compressa* Bean, Trees Shrubs Brit. Isl. 2: 248 (1914).
- P. Munsoniana** × **Persica** Rehder, Man. Cult. Trees Shrubs, 459 (1927), nom.
- Prunus munsoniana* × *Amygdalus persica* W. F. Wight in U. S. Dept. Agric. Bull. 179: 42 (Native Am. Sp. *Prunus*) (1915), nom.
- P. kansuensis** Rehder in Jour. Arnold Arb. 3: 21 (1921).
- Amygdalus kansuensis* Skeels in Proc. Biol. Soc. Washington, 38: 87 (1925).
- Persica kansuensis* Kovalev & Kostina in Bull. Appl. Bot. (Plant Breed.) ser. 8, 4: 75 (1935).
- P. Davidiana** (Carr.) Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 255 (Pl. David. 1: 103, 1884) [1883]. — Rehder in Jour. Arnold Arb. 5: 214 (1924).
- Amygdalus communis* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 95 (Enum. Pl. Chin. Bor. 21. 1833) (1835), non Linnaeus (1753).
- Persica Davidiana* Carrière in Rev. Hort. 1872: 74, fig. 10 (1872).
- Prunus Persica* a. *Davidiana* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 81 (in Mém. Biol. 11: 667) (1883).
- Amygdalus Davidiana* C. de Vos, Handb. Boom. Heest. ed. 2, 16 (1887), nom. — L. Henry in Rev. Hort. 1902: 290, fig. 120 (1902).
- P. Davidiana** f. *alba* (Carr.), grad. nov.
- Persica Davidiana alba* Carrière in Rev. Hort. 1872: 76 (1872).
- Prunus Davidiana* var. *alba* Bean in Garden, 50: 165 (1896).
- Prunus Davidiana* f. *albiflora* Schneider, Ill. Handb. Laubh. 1: 595 (1906).
- P. Davidiana** f. *rubra* (Bean), grad. nov.
- Amygdalus Davidiana flore rubro* C. de Vos, Handb. Boom. Heest. ed. 2, 16 (1887), nom.
- Prunus Davidiana* var. *rubra* Bean, Trees Shrubs Brit. Isl. 2: 235 (1914).
- P. Davidiana** var. *Potanini* (Batal.) Rehder in Jour. Arnold Arb. 5: 215 (1924).
- Prunus Persica* var. *Potanini* Batalin in Act. Hort. Petrop. 12: 164 (1892).
- Amygdalus Persica Potanini* Ricker in U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Imp. 42: 34, 51 (1918).
- Persica Potanini* Kovalev & Kostina in Bull. Appl. Bot. (Pl. Breed.) ser. 8, 4: 75 (1935).
- P. mira** Koehne in Sargent, Pl. Wilson. 1: 272 (1912). — Rehder in Jour. Arnold Arb. 3: 23 (1921).
- P. tangutica** (Batal.) Koehne in Sargent, Pl. Wilson. 1: 276 (1912). — Rehder in Jour. Arnold Arb. 9: 78 (1928).
- Amygdalus communis* var. *tangutica* Batalin in Act. Hort. Petrop. 12: 163 (1892).
- Amygdalus tangutica* Korshinsky in Bull. Acad. Sci. St. Pétersb. sér. 5, 14: 94 (1901). — Stapf in Bot. Mag. 154: t. 9239 (1931).
- Prunus dehiscens* Koehne in Sargent, Pl. Wilson. 1: 271 (1912); 3: 432 (1917). — Rehder in Jour. Arnold Arb. 3: 24 (1921).
- Persica tangutica* Kovalev & Kostina in Bull. Appl. Bot. (Pl. Breed.) ser. 8, 4: 75, fig. (1935).
- P. mongolica** Maximowicz in Bull. Soc. Nat. Moscou, 45: 16 (1879); in Bull. Acad. Sci. St. Pétersb. 29: 78 (in Mém. Biol. 11: 663) (1883).
- Amygdalus mongolica* Ricker in Proc. Biol. Soc. Washington, 30: 17 (1917).
- P. bucharica** (Korsh.) Fedtschenko ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 465 (1940).
- Prunus Amygdalus* β. *ovalifolia* Franchet in Ann. Sci. Nat. Bot. sér. 6, 16: 281 (1883), p. p.
- Amygdalus bucharica* Korshinsky in Bull. Acad. Sci. St. Pétersb. sér. 5, 14: 92 (1901). — Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 529 (1941).
- P. argentea** (Lam.) Rehder in Jour. Arnold Arb. 3: 27 (1922).
- Amygdalus orientalis* Miller, Gard. Dict. ed. 8, A. no. 3 (1768).
- Amygdalus argentea* Lamarck, Encycl. Méth. Bot. 1: 103 (1783).
- Prunus orientalis* Koehne, Deutsche Dendr. 315 (1893), non Walpers (1843).
- P. fasciculata** (Torr.) Gray in Proc. Am. Acad. Arts Sci. 10: 70 (1874).
- Emplectocladus fasciculatus* Torrey, Pl. Frémont. 10, t. 5 (1854).
- Amygdalus fasciculata* Greene, Fl. Francisc. 1: 49 (1891).
- P. pedunculata** (Pallas) Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 78 (in Mém. Biol. 11: 663) (1883).
- Amygdalus pedunculata* Pallas in Nov. Act. Acad. Sci. Petrop. 7: 353 (1789). — Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 546 (1941).
- Amygdalus Boissieri* Carrière in Rev. Hort. 1875: 352, fig. 58 (1875).
- P. pilosa** (Turcz.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 79 (in Mém. Biol. 11: 664) (1883). — Koehne in Sargent, Pl. Wilson. 1: 275 (1912).
- Amygdalus pilosa* Turczaninov in Bull. Soc. Nat. Moscou, 5: 189 (1832).
- P. spinosissima** (Bunge) Franchet in Ann. Sci. Nat. Bot. sér. 6, 16: 281 (1883).
- Amygdalus spinosissima* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 7: 288 (Alexandri Lehmann Rel. Bot. 1: 106. 1851) (1854). — Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 540, t. 34, fig. 1 (1941).



**Prunus** (continued)

- P. triloba** Lindley in Gard. Chron. 1857: 268 (1857).—Koehne in Sargent, Pl. Wilson. 1: 274 (1912).—Rehder in Jour. Arnold Arb. 5: 216 (1924).  
*Amygdalus pedunculata* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 96 (Enum. Pl. Chin. Bor. 22. 1833) (1835), non Pallas (1789).  
*Amygdalopsis Lindleyi* Carrière in Rev. Hort. 1862: 91, fig. 10, t. (1862).  
*Prunus ulmifolia* Franchet in Ann. Sci. Nat. Bot. sér. 6, 16: 281 (1883).  
*Amygdalus triloba* Ricker in Proc. Biol. Soc. Washington, 30: 18 (1917).  
*Amygdalus ulmifolia* M. Popov in Bull. Appl. Bot. (Plant Breed.) 22, 3: 362 (1929).—Kostina & Linchevski in Bull. Appl. Bot. (Plant Breed.) ser. 8, 1: 241 (1932).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 545 (1941).
- P. triloba f. multiplex** (Bunge) Rehder in Jour. Arnold Arb. 5: 216 (1924), typus speciei.  
*Amygdalus pedunculata* f. *multiplex* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 96 (Enum. Pl. Chin. Bor. 22. 1833) (1835).  
*Amygdalus pedunculata* γ. *polygyna* Bunge, l. c. (1835).  
*Prunus triloba* a. *plena* Dippel, Handb. Laubh. 3: 608 (1893).—Koehne in Sargent, Pl. Wilson. 1: 274 (1912).
- P. triloba f. simplex** (Bunge) Rehder in Jour. Arnold Arb. 5: 216 (1924).  
*Amygdalus pedunculata* a. *simplex* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 96 (Enum. Pl. Chin. Bor. 22. 1833) (1835).  
*Prunus triloba* Stapf in Bot. Mag. 132: t. 8061 (1906), non typus speciei.  
*Prunus triloba* f. *normalis* Rehder in Jour. Arnold Arb. 3: 30 (1922).
- P. triloba** var. **Petzoldi** (K. Koch) Bailey, Stand. Cycl. Hort. 5: 2381 (1916).  
*Prunus Petzoldi* K. Koch, Dendr. 1: 92 (1869).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 80 (in Mém. Biol. 11: 665) (1883).—Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 100 [1911?].  
*Prunus virgata* Hort. et *Amygdalopsis virgata* Hort. ex Schneider, Ill. Handb. Laubh. 1: 595 (1906), pro syn.; non *P. virgata* Martini-Donos (1862), nec A. Savatier (1883).
- P. arnoldiana** (*P. cerasifera* × *triloba*) Rehder in Jour. Arnold Arb. 2: 121 (1920).
- P. baldschuanica** Regel in Act. Hort. Petrop. 11: 314 (1890); in Gartenfl. 39: 613 (1890).—Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 98 [1911?].  
*Prunus Petzoldi* sensu Schneider, Ill. Handb. Laubh. 1: 595, fig. 334n-o (1906), p. p., quoad fig.; non K. Koch (1869).
- P. tenella** Batsch, Beytr. Entw. Pragm. Gesch. Natur-Reiche, 29 (1801).—Rehder in Jour. Arnold Arb. 19: 275 (1938).  
*Amygdalus nana* Linnaeus, Sp. Pl. 473 (1753).—Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 113 (1843).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 535, t. 33, fig. 4 (1941).  
*Amygdalus georgica* Desfontaines, Hist. Arb. Arbriss. 2: 221 (1809).—Linchevski & Fedorov in op. cit. 538 (1941).  
*Prunus nana* Stokes, Bot. Mat. Med. 3: 103 (1812).—Ascherson & Graebner Syn. Mitteleur. Fl. 6, 2: 140 (1906).—Non Du Roi (1772).  
*Amygdalus nana* var. *georgica* Schmidt, Oester. Baumz. 4: 25, t. 204 (1822).—De Candolle ex Seringe in De Candolle, Prodr. 2: 530 (1825) "β."  
*Amygdalus nana* a. *vulgaris* De Candolle ex Seringe, l. c. (1825).  
*Amygdalus fruticosa* Wenderoth in Schrift. Ges. Beförd. Gesamt. Naturw. Marburg, 2: 252 (1831).—Schlechtendal in Bot. Zeit. 23: 339 (1865) "fruticosa".  
*Amygdalus Pallasiana* Schlechtendal in Abh. Naturf. Ges. Halle, 2: 14 (1854).  
*Prunus nana* a. *typica* Beck, Fl. Nieder-Öster. 817 (1891).  
*Prunus nana* f. *georgica* Voss, Vilmor. Blumengärt. 1: 232 (1894).—Schneider, Ill. Handb. Laubh. 1: 599, fig. 333c<sup>1</sup> (1906) "var."
- P. tenella f. alba** (Schneid.) Rehder in Jour. Arnold Arb. 19: 276 (1938).  
*Amygdalus nana* γ. *fl. albo* Koch, Hort. Dendr. 138 (1853).  
*Prunus nana* var. a. *georgica* f. *alba* Schneider, Ill. Handb. Laubh. 1: 599 (1906).—Bean, Trees Shrubs Brit. Isl. 2: 245 (1914) "*P. n.* var. *a.*"
- P. tenella f. angustifolia** (Spach) Rehder in Jour. Arnold Arb. 19: 276 (1938).  
*Amygdalus nana* γ. *angustifolia* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 111 (1843).  
*Prunus nana* var. *georgica* f. *angustifolia* Schneider, Ill. Handb. Laubh. 1: 599 (1906).
- P. tenella f. Gessleriana** (Kirchn.) Rehder in Jour. Arnold Arb. 19: 276 (1938).  
*Amygdalus nana* δ. *fl. purpureo* K. Koch, Hort. Dendr. 139 (1853).  
*Amygdalus Gessleriana* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 241 (1864).  
*Amygdalus nana speciosa* Carrière in Rev. Hort. 1872: 118 (1872); 1874: 370, t. (1874).—Mouillefert, Traité Arb. Arbriss. 1: 394 (1894) "var."  
*Prunus nana* f. *Gessleriana* Voss, Vilmor. Blumengärt. 1: 232 (1894).—[Nicholson in] Kew Hand-list Trees Shrubs, ed. 2, 209 (1902) "var."—Bean, Trees Shrubs Brit. Isl. 2: 245 (1914) "var."  
*Prunus nana* a. *Georgica* b. *Gessleriana* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 141 (1906).  
*Prunus nana rubra* Anon. in Gard. Chron. ser. 3, 52: 390, t. (1912).—Hort. ex Bailey, Stand. Cycl. Hort. 5: 2832 (1916) "var."
- P. tenella** var. **campestris** (Besser) Rehder in Jour. Arnold Arb. 19: 277 (1938).  
*Amygdalus campestris* Besser, Enum. Pl. Volhyn. Podol. 46, 58 (1822).—Host, Fl. Austr. 2: 2 (1831).  
*Amygdalus nana* δ. *campestris* Seringe in De Candolle, Prodr. 2: 530 (1825).  
*Amygdalus Besseriana* Schott, Cat. Hort. Vindob. (1818) ex Seringe, l. c. (1825), pro syn.—Schlechtendal in Abh. Naturf. Ges. Halle, 2: 17 (1854).  
*Amygdalus sibirica* Loddiges, Bot. Cab. 16: t. 1599 (1829), descr. manca.—Tausch in Flora, 17: 491 (1834).—Schlechtendal in Abh. Naturf. Ges. Halle, 2: 20 (1854).  
*Amygdalus nana* β. *latifolia* Ledebour, Fl. Alt. 2: 210 (1830); Fl. Ross. 2: 2 [1843].  
*Amygdalus nana* var. 5. *sibirica* Lodd. Cat. ex Loudon, Arb. Brit. 2: 674 (1838).—Tausch ex Kirchner in Petzold & Kirchner, Arb. Muscav. 241 (1864) "*A. n.* 2. s."  
*Amygdalus nana* var. β. *A. Besseriana* Schott ex Bosse, Vollst. Handb. Blumengärt. 1: 254 (1840).

- Amygdalus Gaertneriana* Schlechtendal in Abh. Naturf. Ges. Halle, 2: 18 (1854); in Bot. Zeit. 23: 341, t. 12, fig. B, 3 (1865).
- Amygdalus Ledebouriana* Schlechtendal in op. cit. 21 (1854).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 537 (1941).
- Amygdalus Heuckeana* Schlechtendal in op. cit. 22 (1854).
- Prunus nana* β. *campestris* Beck, Fl. Nieder-Öster. 817 (1891).—Voss, Vilmor. Blumengärt. 1: 232 (1894) "f."—Schneider, Ill. Handb. Laubb. 1: 599, fig. 333c (1906) "var."
- Amygdalus Sweginzowii* sensu Popov in Bull. Appl. Bot. (Pl. Breed.) 22,3: 371 (1929), non Ricker (1917).
- P. tenella** f. *albiflora* (Schneid.) Rehder in Jour. Arnold Arb. 19: 277 (1938) "var. *campestris* f. a."
- Prunus nana* var. *campestris* f. *albiflora* Schneider, Ill. Handb. Laubb. 1: 599 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 141 (1906) "B. *campestris* lus. a."
- Amygdalus latifolia alba* Hort. ex Schneider (1906), pro syn.
- ?*Prunus nana* var. *cochinchinensis* Bailey, Cycl. Am. Hort. [3]: 1456 (1901), non *A. cochinchinensis* Loureiro (1790).
- P. Skinneri** (*P. japonica* × *tenella*) Rehder in Jour. Arnold Arb. 20: 99 (1939).—Skinner in Nat. Hort. Mag. 24: 68, fig. (1945).
- P. Sweginzowii** Koehne in Repert. Sp. Nov. Reg. Veg. 8: 62 (1910); 11: 531, fig. 4 (1913); in Mitt. Deutsch. Dendr. Ges. 1910(19): 97, fig. 3 [1911?].
- Amygdalus Sweginzowii* Ricker in Proc. Biol. Soc. Washington, 30: 18 (1917).
- ?*Amygdalus nana* β. *biserrata* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 110 (1843), cf. Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 535 (1941).
- P. Petunnikowi** (Litvin.) Rehder in Jour. Arnold Arb. 7: 29 (1926).
- Amygdalus Petunnikowi* Litvinof in Trav. Mus. Bot. Acad. Sci. St. Pétersb. 1: 16 (Fl. Turkest. Fragm. 5) (1902).—Linchevski & Fedorov in Komarov, Fl. S. S. S. R. 10: 539, t. 33, fig. 5 (1941) "*Petunnikowii*" in textu.
- Subgen. III. CERASUS (Adans.) Focke in Nat. Pflanzenfam. III. 3: 54 (1888).
- Cerasus* Adanson, Fam. Pl. 305 (1763).—Jussieu, Gen. Pl. 340 (1789).—Spach, Hist. Nat. Vég. Phan. 1: 423 (1834).—Poiarkova in Komarov Fl. S. S. S. R. 10: 547 (1941).
- Prunus-Cerasus* Weston, Bot. Univ. 1: 224 (1770).
- Cerasophora* Necker, Elem. Bot. 1: 71, no. 719 (1790).
- Prunus* sect. *Cerasus* Persoon, Syn. Pl. 2: 34 [1806].—Bentham & Hooker f., Gen. Pl. 1: 610 (1865).
- Cerasus* sect. *Cerasophora* De Candolle ex Seringe in De Candolle, Prodr. 2: 535 (1825).
- Prunus* subgen. *Cerasus* grex *Typocerasus* et grex *Microcerasus* Koehne in Sargent, Pl. Wilson. 1: 226 (1912).
- Sect. 1. MICROCERASUS (Spach) Schneider, Ill. Handb. Laubb. 1: 601 (1906).
- Cerasus* sect. *Microcerasus* Spach, Hist. Nat. Vég. Phan. 1: 423 (1834).—Poiarkova in Komarov, Fl. S. S. S. R. 10: 562 (1941) "subgen."
- Microcerasus* Webb & Berthelot, Phytogr. Canar. 2: 19 [1842], nom. tentat.—Roemer, Fam. Nat. Reg. Veg. Syn. 3: 93 (1847).
- Prunus* sect. *Cerasus* subsect. *Microcerasus* Walpers, Repert. Bot. Syst. 2: 911 (1843).
- Tubopadus* Pomel, Mat. Fl. Atlant. 8 [1860].
- Prunus* subgen. *Microcerasus* Focke in Nat. Pflanzenfam. III. 3: 54 (1888).
- Prunus* subgen. *Cerasus* sect. *Spiraeopsis* et sect. *Trichocerasus* Koehne, Deutsche Dendr. 306 (1893).
- Prunus* subgen. *Cerasus* sect. *Spiraeopsis* subsect. *Myricocerasus* et subsect. *Spiraeocerasus* Koehne in Sargent, Pl. Wilson. 1: 262 (1912), nom. subnud.
- Prunus* subgen. *Cerasus* sect. *Amygdalocerasus* Koehne, op. cit. 229, 268 (1912).—K. Meyer in Repert. Sp. Nov. Reg. Veg. Beih. 22: 44 (1923).
- Cerasus* subgen. *Microcerasus* cycl. *Prostratae* ser. *Incanae* et ser. *Amygdaliflorae* Poiarkova in Jour. Bot. S. S. S. R. 24: 226 (1939).
- Prunus* subgen. *Lithocerasus* C. Ingram in Gard. Chron. ser. 3, 120: 138 (1946).
- Cerasus* subgen. *Microcerasus* sect. *Spiraeopsis* et sect. *Amygdalocerasus* Poiarkova in Komarov, Fl. S. S. S. R. 10: 562, 563 (1941).
- P. tomentosa** Thunberg, Fl. Jap. 203 (1784).—Schneider, Ill. Handb. Laubb. 1: 601, fig. 337l-o, 338e (1906).
- Cerasus tomentosa* Wallich, Num. List, no. 715 (1829), nom.—Hooker f., Fl. Brit. Ind. 2: 314 (1878), pro syn.
- Prunus trichocarpa* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 96 (Enum. Pl. Chin. Bor. 22. 1833) (1835).
- Amygdalus tomentosa* hort. ex K. Koch, Dendr. 1: 81 (1869), pro syn.
- P. tomentosa** f. *leucocarpa* Rehder in Jour. Arnold Arb. 20: 99 (1939).
- P. tomentosa** var. *endotricha* Koehne in Sargent, Pl. Wilson. 1: 225 (1912).
- P. tomentosa** × *Besseyi* Darrow in Jour. Hered. 15: 174 (1924), nom.
- P. tomentosa** × *Cerasus* Darrow, l. c. (1924) "Montmorency × *tomentosa*", nom.
- P. tomentosa** × *avium* Darrow in op. cit. 176 (1924) "Napoleon × *tomentosa*", nom.
- P. tomentosa** × *zumbra* Darrow, l. c. (1924), nom.
- P. tomentosa** × ?*pumila* Rehder, Man. Cult. Trees Shrubs, 465 (1927), nom.
- P. tomentosa** × ?*domestica* Rehder, l. c. (1927), nom.
- P. incana** (Pall.) Batsch, Beytr. Entw. Pragm. Gesch. Natur-Reiche, 29 (1801).—Steven in Mém. Soc. Nat. Moscou, 3: 263 (1812).
- Amygdalus incana* Pallas, Fl. Ross. 1,1: 13 (1784).
- Prunus prostrata* Sprengel, Syst. Veg. 2: 477 (1825), p. p., quoad syn. Pallas.
- Cerasus incana* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 126 (1843).—Poiarkova in Komarov, Fl. S. S. S. R. 10: 568 (1941).
- Cerasus incana* a. *vulgaris* Spach, l. c. (1843).
- Prunus prostrata* sensu Ledebour, Fl. Ross. 2: 7 [1843], non Labillardière (1791).
- Microcerasus incana* Roemer, Fam. Nat. Reg. Veg. Phan. 2: 94 (1847).
- P. Maureri** (*P. incana* × *pumila*) Zabel in Gartenfl. 37: 125 (1888).

**Prunus** (continued)

- P. prostrata** Labillardière, Icon. Pl. Syr. Rar. 1: t. 6 (1791).—Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 182, t. 53, fig. 2 [1812], exclud. syn. Pallas.—Schneider, Ill. Handb. Laubh. 1: 604, fig. 338l-m (1906).  
*Cerasus prostrata* Seringe in De Candolle, Prodr. 2: 538 (1825).  
*Hagidryas prostrata* Grisebach, Reise Rumel. Brussa, 1: 311 (1841), sine descr. gen.; Spicil. Fl. Rumel. 1: 86 (1843), pro syn.  
*Microcerasus prostrata* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 93 (1847).  
*Tubopadus prostratus* Pomel, Mat. Fl. Atlant. 8 [1860].  
*Prunus prostrata* A. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 143 (1906).
- P. prostrata** var. *glabrifolia* J. H. [= G. G.] Moris, Fl. Sardoia, 2: 14 (1840).—C. Ingram in Gard. Chron. ser. 3, 120: 139, fig. 62 (1946).
- P. microcarpa** C. A. Meyer, Verzeich. Pflanz. Caucas. 167 (1831).—Schneider, Ill. Handb. Laubh. 1: 604, fig. 337s-t, 338f (1906).  
*Cerasus orientalis* Spach in Ann. Sci. Nat. Bot. sér. 2, 19: 128 (1843), p. p.  
*Prunus* (*Cerasus*) *orientalis* Walpers, Repert. Bot. Syst. 2: 911 (1843).  
*Microcerasus orientalis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 96 (1847).  
*Cerasus microcarpa* Boissier, Fl. Or. 2: 646 (1872).—Poiarkova in Komarov, Fl. S. S. S. R. 10: 563, t. 36, fig. 2 (1941).  
*Prunus microcarpa* var. *typica* Schneider, Ill. Handb. Laubh. 1: 605 (1906).
- P. microcarpa** var. *tortuosa* (Boiss. & Hausskn.) Schneider, l. c. fig. 337w-x<sup>2</sup>, 338g-h (1906).  
*Cerasus tortuosa* Boissier & Haussknecht in Boissier, Fl. Or. 2: 647 (1872).
- P. Jacquemontii** Hooker f., Fl. Brit. Ind. 2: 314 (1878).—Schneider, Ill. Handb. Laubh. 1: 601, fig. 337i-k, 338d (1906).  
*Amygdalus humilis* Edgeworth in Trans. Linn. Soc. Lond. 20: 44 (1846), non *P. humilis* Bunge (1833), nec Colla (1834).  
*Cerasus Jacquemontii* Buser in Boissier, Fl. Or. Suppl. 198 (1888).
- P. Jacquemontii** var. *bifrons* (Fritsch) Ingram in Gard. Chron. ser. 3, 120: 162, fig. 72 (1946).  
*Prunus bifrons* Fritsch in Sitzber. Akad. Wiss. Wien, 101: 637, t. 3, fig. 1 (1892).  
*Prunus prostrata* Hooker f., Fl. Brit. Ind. 2: 313 (1877), p. p.  
*Prunus prostrata* var. *c. bifrons* (Fritsch) Schneider, Ill. Handb. Laubh. 1: 604, fig. 337e-h (1906).  
*Prunus afghana* Cardot in Not. Syst. Mus. Hist. Nat. Paris, 4: 32 (1920).  
? *Cerasus erythrocarpa* Nevski in Act. Inst. Bot. Acad. Sci. U. R. S. S., ser. 1, 4: 246 (Fl. Syst. Pl. Vasc.) (1937).  
*Cerasus bifrons* (Fritsch) Poiarkova in Komarov, Fl. S. S. S. R. 10: 570 (1941).
- P. japonica** Thunberg, Fl. Jap. 201 (1784).—Koehne in Sargent, Pl. Wilson. 1: 265 (1912).—Schneider, Ill. Handb. Laubh. 2: 977, fig. 596a-c (1912).  
*Cerasus japonica* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 33 [1812].  
*Microcerasus japonica* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 95 (1847).  
*Prunus japonica* a. Maximowicz in Bull. Soc. Nat. Moscou, 54: 12 (1879), p. p.; in Bull. Acad. Sci. St. Pétersb. 29: 94 (in Mém. Biol. 11: 685) (1883).  
*Prunus japonica* var. *typica* Matsumura in Bot. Mag. Tokyo, 14: 135 (1900), p. p.  
*Prunus japonica* var. *eujaponica* Koehne f. *Fauriei* Koehne in Sargent, Pl. Wilson. 1: 266 (1912).
- P. japonica** f. *Thunbergii* Koehne, l. c. (1912) "var. *gracillima* f. T."  
*Prunus japonica* var. *Thunbergii* Koehne in Repert. Sp. Sp. Nov. Reg. Veg. 8: 23 (1910).
- P. japonica** f. *Engleri* Koehne in Sargent, Pl. Wilson. 1: 266 (1912) "var. *gracillima* f. E."  
*Prunus japonica* var. *Engleri* Koehne in Repert. Sp. Nov. Reg. Veg. 8: 23 (1910).
- P. japonica** var. *Nakaii* (Lévl.) Rehder in Jour. Arnold Arb. 3: 29 (1921).  
*Prunus Nakaii* Léveillé in Repert. Sp. Nov. Reg. Veg. 7: 198 (1909).—Nakai, Fl. Sylv. Kor. 5: 36, t. 22 (1916).
- P. japonica** var. *Kerii* (Steud.) Koehne in Sargent, Pl. Wilson. 1: 267 (1912).—Rehder in Jour. Arnold Arb. 3: 28 (1921).  
*Prunus japonica* Ker in Bot. Reg. 1: t. 27 (1815).  
*Cerasus japonica* β. *multiplex* Seringe in De Candolle, Prodr. 2: 539 (1825), p. p.—G. Don, Gen. Syst. Dichlam. Pl. 2: 514 (1832) "var."  
*Cerasus sinensis* Loudon, Arb. Brit. 2: 706, fig. 417 (1838).  
*Prunus Kerii* Steudel, Nomencl. Bot. ed. 2, 2: 403 (1841).  
*Prunus japonica* β. *multiplex* D. Dietrich, Syn. Pl. 3: 44 (1843).
- P. glandulosa** Thunberg, Fl. Jap. 202 (1784).—Koehne in Mitt. Deutsch. Dendr. Ges. 1909(18): 181, fig. 2 (1910?).—Nakai, Fl. Sylv. Kor. 5: 35, t. 20 (1916).  
*Amygdalus pumila* Linnaeus, Mant. Pl. 1: 74 (1767), p. p.  
*Persica pumila* Borkhausen, Vers. Forstbot. Beschr. Holzart. 205 (1790).  
*Cerasus glandulosa* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 5: 33 [1812].—Poiarkova in Komarov, Fl. S. S. S. R. 10: 562, t. 35, fig. 3 (1941).  
*Microcerasus glandulosa* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 95 (1847).  
*Prunus japonica* β. Maximowicz in Bull. Soc. Nat. Moscou, 54: 13 (1879); in Bull. Acad. Sci. St. Pétersb. 29: 94 (in Mém. Biol. 11: 685) (1883).  
*Prunus glandulosa* var. *glabra* Koehne in Sargent, Pl. Wilson. 1: 263 (1912).  
*Prunus glandulosa* f. *Sieboldiana* Koehne, l. c. (1912).  
*Cerasus japonica* var. *glandulosa* Komarov & Klobukova-Alisova, Key Pl. Far East. Reg. U. S. S. R. 657 (1932).
- P. glandulosa** f. *alba* (Koehne), grad. nov.  
*Prunus glandulosa* var. *glabra* f. *Sieboldiana* subf. *alba* Koehne in Sargent, Pl. Wilson. 1: 263 (1912).—Skvortzov in Lingnan Sci. Jour. 6: 211 (1928) "*P. gl.* var. *a.*"
- P. glandulosa** f. *rosea* (Koehne), grad. nov.  
*Prunus glandulosa* var. *glabra* f. *Sieboldiana* subf. *rosea* Koehne, l. c. (1912).—Skvortzov, l. c. (1928) "*P. gl.* var. *r.*"
- P. glandulosa** f. *albiplena* Koehne in op. cit. 264 (1912) "var. *glabra* f. *a.*"—Nakai in Mag. Bot. Tokyo, 29: 144 (1915) "var."

- Cerasus japonica*  $\beta$ . *multiplax* Seringe in De Candolle, Prodr. 2: 539 (1825), p. p.
- Prunus japonica* var. *fl. pleno* Siebold & Zuccarini, Fl. Jap. 1: 172, t. 90, fig. III [1841], p. p.
- Prunus japonica* *fl. albo pleno* Lemaire in Ill. Hort. 5: t. 183 (1858).
- Prunus japonica*  $\gamma$ . Maximowicz in Bull. Soc. Nat. Moscou, 54: 14 (1879), p. p.; in Bull. Acad. Sci. St. Pétersb. 29: 95 (in Mém. Biol. 11: 686) (1883), p. p.
- Prunus japonica* var. *multiplax* Makino in Bot. Mag. Tokyo, 22: 72 (1908), p. p.; non D. Dietrich (1843).
- P. glandulosa** f. *sinensis* (Persoon) Koehne in Sargent, Pl. Wilson. 1: 265 (1912).—Nakai in Bot. Mag. Tokyo, 29: 144 (1915) "var."; Fl. Sylv. Kor. 5: 35, t. 21 (1916) "var."
- Prunus sinensis* Persoon, Syn. Pl. 2: 36 [1806].
- Prunus japonica* *fl. pleno* Siebold & Zuccarini, Fl. Jap. 1: 172, t. 90, fig. III [1841], p. p.
- Microcerasus sinensis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 95 (1847).
- Prunus japonica*  $\gamma$ . Maximowicz in Bull. Soc. Nat. Moscou, 54: 14 (1883), p. p.; in Bull. Acad. Sci. St. Pétersb. 29: 95 (in Mém. Biol. 11: 686) (1883), p. p.
- Prunus japonica* var. *fl. pleno roseo* Bean, Trees Shrubs Brit. Isl. 2: 239 (1914).
- P. humilis** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 97 (Enum. Pl. Chin. Bor. 21. 1833) (1835).—Koehne in Mitt. Deutsch. Dendr. Ges. 1909(18): 181, fig. 3 [1910?]; in Sargent, Pl. Wilson. 1: 262 (1912).—Non Colla (1834).
- Prunus Bungei* Walpers, Repert. Bot. Syst. 2: 9 (1843).
- P. pumila** Linnaeus, Mant. Pl. 75 (1767).—W. F. Wight in U. S. Dept. Agric. Bull. 179: 65, t. 7, fig. 3, t. 12, fig. 31–34 (Native Am. Sp. Prunus) (1915), p. p. typica.—Fernald in Rhodora, 25: 72 (1923).
- Cerasus canadensis* Miller, Gard. Dict. ed. 8, C. no. 5 (1768).
- Cerasus glauca* Moench, Meth. Pl. 672 (1794).
- Cerasus pumila* (L.) Michaux, Fl. Bor.-Am. 1: 286 (1803), exclud. descr.
- Prunus incana* Schweinitz in Keating, Narr. Exp. St. Peters Riv. under S. H. Long, 2: 387 (1824), non Batsch (1801).
- P. pumila** var. *depressa* (Pursh) Bean, Trees Shrubs Brit. Isl. 2: 249 (1914).
- Cerasus pumila* Michaux, Fl. Bor.-Am. 1: 286 (1803), p. p. quoad descr.
- Prunus depressa* Pursh, Fl. Am. Sept. 1: 332 (1814).—Fernald in Rhodora, 25: 73 (1923).
- Cerasus depressa* Seringe in De Candolle, Prodr. 2: 538 (1825).
- Prunus pumila* sensu Torrey, Fl. New York, 1: 195 (1843), non Linnaeus (1767).
- Prunus pumila* var. *Susquehanae* (Willd.) Jäger, Ziergeh. 400 (1865), quoad descript.
- P. pumila** var. *susquehanae* (Willd.) Jäger, Ziergeh. 400 (1865), quoad nom. exclud. descr.—Rehder, Man. Cult. Trees Shrubs, 466 (1927).
- Prunus Susquehanae* (Hort. ex) Willdenow, Enum. Pl. Hort. Berol. 519 (1809).—Fernald in Rhodora, 25: 73 (1923).
- Prunus cuneata* Rafinesque, Annals Nat. 11 (1820).—Bailey in Cornell Univ. Agric. Exp. Sta. Hort. Div. Bull. 38: 63, fig. 14 (Native Dwarf Cherr.) (1892).—W. F. Wight in U. S. Dept. Agric. Bull. 179: 67, t. 7, fig. 4, t. 12, fig. 29–30 (Nat. Am. Sp. Prunus) (1915).
- Cerasus glauca*  $\gamma$ . *Susquehanae* (Willd.) Koch, Hort. Dendr. 145 (1853).
- Prunus pumila* var. *cuneata* Bailey, Cycl. Am. Hort. [3]: 1451 (1901).
- P. cistena** (*P. cerasifera* f. *atropurpurea*  $\times$  *pumila*) (Hansen) Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 66, fig. 16a [1918].
- Prunus "Cistena"* N. E. Hansen in Ann. Rep. S. Dakota State Hort. Soc. 7: 153 (1910) "the Sioux Indian name for baby".
- P. Knudsoni** (*P. hortulana* var. *Mineri*  $\times$  *pumila*) Rosendahl & Butters, Trees Shrubs Minnesota, 227 (1928).
- Prunus hortulana* var. *Mineri*  $\times$  *pumila* Anon. in Ann. Rep. Minnesota State Hort. Soc. 24: 132 (1896).—W. F. Wight in U. S. Dept. Agric. Bull. 179: 66 (Nat. Am. Sp. Prunus) (1915).
- P. pumila**  $\times$  *tomentosa* Rehder, Man. Cult. Trees Shrubs, 466 (1927), nom.
- P. Besseyi** Bailey in Cornell Univ. Agric. Exper. Sta. Bull. Hort. Div. 70: 261 (1894).—W. F. Wight, U. S. Dept. Agric. Bull. 179: 68, t. 7, fig. 5, t. 12, fig. 25–28 (Nat. Am. Sp. Prunus) (1915).
- Prunus pumila* *Besseyi* Waugh in Vermont Agric. Exp. Sta. Ann. Rep. 12: 239 (1899).
- Prunus rosebudii* Reagan in Ber. Deutsch. Bot. Ges. 25: 343 (1907).
- Prunus prunella* Daniels, Fl. Boulder Colo. 151 (Univ. Missouri Stud. Sci. Ser. 2, 2 (1911)).
- Cerasus Besseyi* Lunell in Am. Midland Nat. 4: 422 (1916).
- P. utahensis** [*P. angustifolia* var. *Watsoni*  $\times$  *Besseyi*] Koehne, Deutsche Dendr. 315 (1893).—Dippel, Handb. Laubh. 3: 634, fig. 259 (1893).—Schneider, Ill. Handb. Laubh. 1: 613, fig. 345m-n (1906).—W. F. Wight in U. S. Dept. Agric. Bull. 179: 70 (1915).
- Prunus utahensis* Dieck, Haupt.-Cat. Zöschchen, 58 (1885), nom.
- Prunus Besseyi*  $\times$  *Watsoni* Bailey in Cornell Univ. Agric. Exp. Sta. Hort. Div. Bull. 70: 263, t. 2, fig. 3 (Native Dwarf Cherr.) (1894); Sketch Evol. Nat. Fr. 244, fig. 41 (1898).
- Sect. 2. PSEUDOCERASUS Koehne, Deutsche Dendr. 305 (1893); in Sargent, Pl. Wilson. 1: 226 (1912).
- Cerasedos* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 3: 743 (1843).
- Cerasus* subgen. *Typocerasus* (Koehne) sect. *Pseudocerasus* Poiarkova in Komarov, Fl. S. S. R. 10: 550 (1941).
- P. canescens** Bois in Vilmorin & Bois, Frutic. Vilmor. 66, 2 fig. (1904); in Repert. Sp. Nov. Reg. Veg. 3: 226, 2 fig. (1906).—Koehne in Mitt. Deutsch. Dendr. Ges. 1909(18): 177 [1910?].—Schneider in Handb. Laubh. 2: 981 (1912).
- P. Schmittii** (*P. avium*  $\times$  *canescens* ♀) Rehder in Jour. Arnold Arb. 20: 100 (1939).
- P. daweyckensis** (? *P. canescens*  $\times$  *Dielsiana*) Sealy in Bot. Mag. 161: t. 9519, fig. [p. 3] (1938).
- P. setulosa** Batalin in Act. Hort. Petrop. 12: 165 (1892); in Gartenfl. 42: 330 (1892).—Koehne in Sargent, Pl. Wilson. 1: 234, 257 (1912).
- P. incisa** Thunberg, Fl. Jap. 202 (1784).—Willdenow, Sp. Pl. 2: 994 (1799).—Koehne in Sargent, Pl. Wilson. 1:

***Prunus incisa* (continued)**

- 258 (1912); in Mitt. Deutsch. Dendr. Ges. **1917**(26): 49, fig. 10 [1918].—Wilson, Cherries Japan, 19, t. 5 (1916).—Stapf in Bot. Mag. **148**: t. 3958 (1923).  
*Cerasus incisa* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] **5**: 33 [1812].  
*Microcerasus incisa* Roemer, Fam. Nat. Reg. Veg. Syn. **3**: 95 (1847).  
*Cerasedos apetala* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 93 (Prol. Fl. Jap. 25. 1866) (1865), p. p., quoad syn. *P. incisa* Thunb.
- P. incisa** f. *serrata* (Koidz.) Wilson, Cherries Jap. 21 (1916).  
*Prunus incisa* var. *serrata* Koidzumi in Bot. Mag. Tokyo, **29**: 314 (1915).
- P. incisa** var. *Yamadei* Makino in Jour. Jap. Bot. **1**: 9 (1916).
- P. incisa** × *Sargentii* ? C. Ingram in Gard. Chron. ser. 3, **101**: 245 (1937) "*Prunus hybrid* ? *P. incisa* ♀ × *sachalinensis*"; nom.
- P. stipulacea** Maximowicz in Bull. Acad. Sci. St. Pétersb. **29**: (in Mém. Biol. **11**: 689) (1883).—Koehne in Sargent, Pl. Wilson. **1**: 235, 258 (1912).
- P. apetala** (Sieb. & Zucc.) Franchet & Savatier, Enum. Pl. Jap. **2**: 329 [1878?].—Koehne in Sargent, Pl. Wilson. **1**: 261 (1912); in Mitt. Deutsch. Dendr. Ges. **1917**(26): 52, fig. 12 [1918], p. p.—Wilson, Cherries Jap. 60 (1916), p. p.  
*Cerasedos apetala* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **3**: 744, t. 5, fig. 2, 11–8 (1843), sphalm. "*Ceroseidos*"; **4**, 2: 122 (Fl. Jap. Fam. Nat. **1**: 14 (1845)).  
*Prunus ceraseidos* Maximowicz in Bull. Acad. Sci. St. Pétersb. **29**: 103 (in Mém. Biol. **11**: 698) (1883), p. p.
- P. latidentata** Koehne in Sargent, Pl. Wilson. **1**: 217 (1912).
- P. crataegifolia** Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **60**: 153 (Pl. Nov. Sin. Forts. **22**: 2) (1923); Symb. Sin. **7**: 533, fig. 19 (1933).
- P. mugus** Handel-Mazzetti in op. cit. 152 (2) (1923); op. cit. 532 (1933).
- P. nipponica** Matsumura in Bot. Mag. Tokyo, **15**: 99 (1901).—Koehne in Sargent, Pl. Wilson. **1**: 259 (1912); in Mitt. Deutsch. Dendr. Ges. **1917**(26): 50, fig. 11 [1918].—Wilson, Cherries Japan, 22 (1916).  
*Prunus Ceraseidos* Maximowicz in Bull. Acad. Sci. St. Pétersb. **19**: 103 (in Mém. Biol. **11**: 698) (1883), p. p.  
*Prunus incisa* sensu Matsumura, List Pl. Nikko, 50 (1894).—Shirasawa, Icon. Ess. For. Jap. **2**: t. 28, fig. 20–30 (1908).—Non Thunberg (1784).  
*Prunus apetala* var. *typica* Schneider, Ill. Handb. Laubh. **1**: 608 (1906).  
*Prunus Miqueliana* sensu Koidzumi in Bot. Mag. Tokyo, **23**: 184 (1909), non Maximowicz (1883).  
*Prunus iwagiensis* Koehne in Sargent, Pl. Wilson. **1**: 259 (1912).  
*Prunus nikkoensis* Koehne in op. cit. 260 (1912).  
*Prunus nipponica* var. *iwagiensis* Koidzumi in Bot. Mag. Tokyo, **29**: 314 (1915).
- P. nipponica** var. *kurilensis* (Miyabe) Wilson, Cherries Japan, 24 (1916).

- Prunus Ceraseidos* var. *kurilensis* Miyabe in Mem. Boston Soc. Nat. Hist. **4**: 226 (Fl. Kuril. Isl.) (1890).  
*Prunus apetala* var. *iwozana* Schneider, Ill. Handb. Laubh. **1**: 608 (1906).  
*Prunus incisa* var. *kurilensis* Koidzumi in Bot. Mag. Tokyo, **23**: 184 (1909).  
*Prunus kurilensis* Miyabe ex Takeda in Bot. Mag. Tokyo, **24**: 11 (1910).—Koehne in Sargent, Pl. Wilson. **1**: 260 (1912).—Miyabe & Miyaki, Fl. Saghal. **117**, t. 6, fig. 1–4 (1915).  
*Prunus nipponica* var. *pubescens* Koidzumi in Bot. Mag. Tokyo, **29**: 314 (1915).  
*Prunus apetala* sensu Koehne in Mitt. Deutsch. Dendr. Ges. **1917**(25): 52 [1918], p. p., non Franchet & Savatier [1878].
- P. lobulata** Koehne in Sargent, Pl. Wilson. **1**: 220 (1912).
- P. glyptocarya** Koehne in op. cit. 219 (1912).
- P. pleuroptera** Koehne in op. cit. 221 (1912).
- P. subhirtella** Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 91 (Prol. Fl. Jap. 23. 1866) (1865).—Koehne in Sargent, Pl. Wilson. **1**: 255 (1912); in Mitt. Deutsch. Dendr. Ges. **1917**(26): 41, fig. 8 [1918].  
*Prunus subhirtella* f. *oblongifolia* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 91 (Prol. Fl. Jap. 23. 1866) (1865).  
*Prunus Miqueliana* Maximowicz in Bull. Acad. Sci. St. Pétersb. **29**: 98 (in Mém. Biol. **11**: 692) (1883), p. p.  
*Prunus incisa* sensu Maximowicz in op. cit. 99 (l. c. 692) (1883), p. p., non Thunberg (1784).  
*Prunus pendula* var. *ascendens* sensu Rehder in Möller's Deutsch. Gärt.-Zeit. **15**: 320, fig. (1900) non Makino (1893).  
*Prunus Herincquiana* var. *ascendens* Schneider, Ill. Handb. Laubh. **1**: 608 (1906).  
*Prunus itosakra* β. *subhirtella* Koidzumi in Bot. Mag. Tokyo, **23**: 181 (1909).  
*Prunus subhirtella* var. *glabra* Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 261 (1913).
- P. subhirtella** var. *ascendens* (Mak.) Wilson, Cherries Japan, 10, t. 3 (1916).  
*Cerasus Herincquiana* Lavallée, Arb. Segrez. Icon. **117**, t. 35 (1885), p. p.  
*Prunus pendula* var. *ascendens* Makino in Bot. Mag. Tokyo, **7**: 103 (1893).  
*Prunus Herincquiana* Späth, Kat. **124**(1907–8): 115 (1907).—Koehne in Mitt. Deutsch. Dendr. Ges. **1909**(18): 175 [1910?]; **1917**(126): 45, fig. 8a<sup>2</sup>, b<sup>2</sup>, d<sup>2</sup> [1918].  
*Prunus Itosakura* sensu Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 259 (1913), non Siebold (1830).  
*Prunus oblongifolia* Maximowicz ex Schneider, Ill. Handb. Laubh. **1**: 608 (1906), pro syn.  
*Prunus Itosakura* α. *ascendens* Makino in Bot. Mag. Tokyo, **22**: 114 (1908), exclud. syn. nonnull.—Naki, Fl. Sylv. Kor. **5**: 30, t. 17 (1916).  
*Prunus itosakra* γ. *ascendens* Koidzumi in Bot. Mag. Tokyo, **23**: 181 (1909), p. p.  
*Prunus microlepis* Koehne in Sargent, Pl. Wilson. **1**: 256 (1912).  
*Prunus microlepis* var. *ternata* Koehne, l. c. (1912).  
*Prunus Herincquiana* f. *erecta* Koehne in Repert. Sp. Nov. Reg. Veg. **11**: 269 (1912).  
*Prunus pendula* f. *microlepis* Koehne in Mitt. Deutsch. Dendr. Ges. **1917**(26): 48, fig. 9d<sup>2</sup>, b<sup>2</sup>, d<sup>2</sup> [1918].  
*Prunus aequinoctialis* Miyoshi in Bot. Mag. Tokyo, **34**: 162, fig. 1 (1920).

- P. subhirtella** var. **pendula** (Maxim.) Tanaka, Useful Pl. Jap. n. ed. 153, fig. 620 (1895).—Wilson, Cherries Japan, 7, t. 2 (1916).
- Prunus Itosakura* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12,1: 68 (Syn. Pl. Oecon. Jap.) (1830), nom. subnud.
- Cerasus pendula flore roseo* Siebold, Cat. Raison. 31 (1863), nom., non *C. p.* Liegel (1841).
- Cerasus pendula rosea* Dombroin in Floral Mag. 10: t. 536 (1871), non *C. p.* Liegel (1841).
- Cerasus Pseudo-cerasus* var. **pendula** Lavallée, Arb. Segrez. 73 (1877).—Tanaka, Useful Pl. Jap. 70, fig. 620 (1891) "*pendule*".
- Cerasus Sieboldii pendula fl. roseo* Hort. ex Lavallée, Arb. Segrez. 73 (1877), pro syn.
- Cerasus japonica pendula* Parsons in Gard. Monthly (Meehan), 21: 69 (1879), nom. subnud.
- Cerasus Spachiana* Lavallée ex H. O[tto] in Hamburg. Gart.- & Blumenzeit. 35: 57 (1879).
- Prunus pendula* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 98 (in Mém. Biol. 11: 690) (1883).—Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 47 [1918].—Non Desfontaines (1815), nom.
- Prunus cerasus pendula fl. roseo* hort. ex Späth, Kat. 62: 86 (1885).
- Prunus Miqueliana* ? Sargent in Gard. & For. 1: 196, fig. 37 (1888), non Maximowicz (1883).
- Prunus japonica pendula* hort. ex Koehne, Deutsche Dendr. 307 (1893), pro syn.
- Prunus pendula* var. *Itosakura* Rehder in Möller's Deutsch. Gärtn.-Zeit. 15: 320 (1900), exclud. syn.
- Prunus pendula* (f.) *diffusa* et (f.) *typica* Zabel in Beissner et al., Handb. Laubh.-Ben. 242 (1903), nom.
- Cerasus japonica* hort. gall. ex Zabel, l. c. (1903), pro syn.
- Prunus Herincquiana* Schneider, Ill. Handb. Laubh. 1: 608 (1906), exclud. syn.
- Prunus itosakra a. pendula* Koidzumi in Bot. Mag. Tokyo, 23: 180 (1909).
- ?*Prunus taiwaniana* Hayata in Jour. Coll. Sci. Tokyo, 30,1: 87 (1911).
- ?*Prunus Heringiana* f. *dependens* Koehne in Repert. Sp. Nov. Reg. Veg. 11: 269 (1912).
- Prunus Itosakura* var. **pendula** Matsumura, Ind. Fl. Jap. 2,2: 216 (1912).
- Prunus aequinoctialis* var. **pendula** Miyoshi in Bot. Mag. Tokyo, 34: 165 (1920).
- P. subhirtella** "Yae-shidare-higan" (Russell) Rehder, Man. Cult. Trees Shrubs, ed. 2, 470 (1940).
- ?*Prunus Cerasus Chealii pendula* (J. Cheel & Son) in Gard. Chron. ser. 3, 57: 214 (1915); in Jour. Hort. Soc. Lond. 41: lxiii, fig. 59 (1915).
- Prunus subhirtella* var. "Yae-shidare-higan" P. Russell in Nat. Hort. Mag. 18: 65, fig. (1939).
- P. subhirtella** var. **autumnalis** Makino in Bot. Mag. Tokyo, 22: 117 (1908).—Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 261 (1913).—Wilson, Cherries Japan, 12 (1916).
- Prunus subhirtella* var. *Fukubana* Makino in Bot. Mag. Tokyo, 22: 118 (1908) "*P. Itosakura* var. *ascendens* × *subhirtella*."—Koehne in Sargent, Pl. Wilson. 1: 259 (1912).
- Prunus itosakra* γ. *ascendens* subv. *amabilis* Koidzumi in Bot. Mag. Tokyo, 23: 181 (1909).
- Prunus autumnalis* Koehne in Sargent, Pl. Wilson. 1: 259 (1912).
- Prunus Miqueliana* sensu R. Clarke in Garden, 76: 628, fig. (1912), non Maximowicz (1883).
- Prunus Makinoana* Koehne in Repert. Sp. Nov. Reg. Veg. 11: 271 (1912).
- Prunus microlepis* var. *Smithii* Koehne ex Bean in Kew Bull. 1914: 51 (1914).
- Prunus microlepis* sensu Bean, Trees Shrubs Brit. Isl. 2: 243 (1914), non Koehne (1912).
- Prunus subhirtella* var. *pleniflora* Koidzumi msc. ex Wilson, Cherries Japan, 12 (1916).
- Prunus subhirtella* var. *Fukubana* f. *autumnalis* et f. *Smithii* Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 44, fig. 8f-i [1918].
- P. campanulata** Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 103 (in Mém. Biol. 11: 698) (1883).—Wilson, Cherries Japan, 17 (1916).—Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 40 [1918].
- Prunus puddum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 90 (Prol. Fl. Jap. 22. 1866) (1865), non *Cerasus p.* Wallich (1831).
- Prunus Pseudo-cerasus* var. W. J. B[ean] in Garden, 56: 300, t. 1244 (1899), *P. (Cerasus) pendula* in tab.
- Prunus cerasoides* sensu Koidzumi in Bot. Mag. Tokyo, 23: 181 (1909), p. p.; non D. Don (1825).
- Prunus cerasoides* var. *campanulata* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 264, fig. 2 (1910).
- P. cerasoides** D. Don, Prodr. Fl. Nepal. 239 (1825).—Koehne in Sargent, Pl. Wilson. 1: 253 (1912).
- Prunus silvatica* Roxburgh, Hort. Bengal. app. (Cat. Pl. Descr. Roxb. 1813) 92 (1814), nom.; Fl. Ind. [ed. 2] 2: 501 (1832).
- Cerasus Phoshia* Hamilton ex D. Don, Fl. Nepal. 239 (1825), pro syn.
- Cerasus Puddum* Seringe in De Candolle, Prodr. 2: 537 (1825).—Wallich, Pl. As. Rar. 2: 37, t. 143 (1831).
- Microcerasus phoshia* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 93 (1847).
- Prunus Puddum* Roxburgh ex Brandis, Forest Fl. Brit. Ind. 194 (1874).—Hooker f., Fl. Brit. Ind. 2: 314 (1878).—Non Miquel (1865).
- P. rufa** Hooker f., Fl. Brit. Ind. 2: 314 (1878), p. p. typica. —Schneider, Ill. Handb. Laubh. 1: 609, fig. 339n-n<sup>1</sup>, 340l (1906).—Koehne in Sargent, Pl. Wilson. 1: 254 (1912).
- Cerasus rufa* Wallich, Num. List, no. 721 [1829], nom.
- Prunus rufa* Steudel, Nomencl. Bot. ed. 2, 2: 44 (1841), nom. subnud.
- P. trichantha** Koehne in Sargent, Pl. Wilson. 1: 254 (1912).
- P. serrula** Franchet, Pl. Delavay. 196 [1890].—Koehne in Sargent, Pl. Wilson. 1: 253 (1912).
- Prunus puddum* var. *tibetica* Batalin in Act. Hort. Petrop. 14: 168 (1895).
- Prunus cerasoides* var. *tibetica* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 54 (1905).
- Prunus serrula* var. *tibetica* Koehne in Sargent, Pl. Wilson. 1: 213 (1912).
- P. concinna** Koehne in op. cit. 210 (1912).
- P. Conradinae** Koehne in op. cit. 211 (1912).
- Prunus avium* sensu Franchet, Pl. Delavay. 197 [1890], non Linnaeus (1753), ex Cardot in Notul. Syst. Mus. Hist. Nat. Paris, 4: 30 (1920), pro syn.
- P. Conradinae** f. **sempilena** (Ingram), grad. nov.
- Prunus Conradinae semiplena* Ingram in Gard. Chron. ser. 3, 77: 217, fig. 87 (1925).

**Prunus** (continued)

- P. Helenae** Koehne in Sargent, Pl. Wilson. 1: 212 (1912). — Schneider, Ill. Handb. Laubh. 2: 983 (1912).  
*Prunus rufoides* var. *glabrifolia* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 56 (1905).
- P. Sprengeri** Pampanini in Nuov. Giorn. Bot. Ital. 18: 230 (1911). — Koehne in Sargent, Pl. Wilson. 1: 252 (1912). — Cf. Cardot in Notul. Syst. Mus. Hist. Nat. Paris, 4: 31 (1920).
- P. yedoensis** [*P. serrulata* var. *Lannesiana* × *subhirtella*] Matsumura in Bot. Mag. Tokyo, 15: 100 (1901). — Wilson, Cherries Japan, 15, t. 4 (1916) "*P. subhirtella ascendens* × *Lannesiana*." — Nakai, Fl. Sylv. Kor. 5: 25, t. 8 (1916). — Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 38, fig. 7 [1918] "*P. Herincquiana* × *Lannesiana albida*".  
*Prunus paracerasus* Koehne in Repert. Sp. Nov. Reg. Veg. 7: 133 (1909).  
*Prunus pseudocerasus yoshino* h. jap. ex Späth, Cat. 121 (1906-7): 115 (1906). "*P. Pseudocerasus* × *serrulata* Koehne."
- P. yedoensis** f. *perpendens* Wilson in Jour. Arnold Arb. 5: 238 (1924).  
 ?*Prunus yedoensis pendula* Ingram in Jour. Hort. Soc. Lond. 54: 174 (1929).
- P. yedoensis** f. *nudiflora* (Koehne), grad. nov.  
*Prunus yedoensis* var. *nudiflora* Koehne in Repert. Sp. Nov. Reg. Veg. 10: 507 (1912). — Wilson, Cherries Japan, 15 (1916), pro syn.
- P. yedoensis** f. *Taizanfukun* (Koidz.) Wilson, Cherries Japan [Suppl.]i (1916).  
*Prunus donarium* subsp. *speciosa* var. *nobilis* f. *Taizanfukun* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 276 (1913).  
*Prunus fruticosa* Miy. f. *ambigua* Miyoshi in Jour. Coll. Sci. Tokyo, 34,1: 142, t. 5, fig. 9, t. 16, fig. 70 (1916).  
*Prunus serrulata* var. *pubescens* f. *taizanfukun* Wilson, Cherries Japan, 35 (1916).
- P. Sargentii** Rehder in Mitt. Deutsch. Dendr. Ges. 1908 (17): 159 (1908); in Repert. Sp. Nov. Reg. Veg. 8: 344 (1910). — Koehne in Sargent, Pl. Wilson. 1: 249 (1912). — Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, 2: 45, t. 53 (1927). — C. Ingram in Gard. Chron. ser. 3, 108: 124, fig. 51 (1940).  
*Prunus Puddum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 90 (Prol. Fl. Jap. 22) (1865), p. p.  
*Prunus Pseudo-Cerasus* var. *sachalinensis* Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12,2: 124 (Reise Amur. Sachal.) (1868).  
*Prunus Pseudo-Cerasus* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 101 (in Mém. Biol. 11: 695) (1883), p. p. — Sargent in Gard. & For. 10: 462, fig. 58 (1897). — Non Lindley (1826).  
*Prunus Pseudo-Cerasus a. spontanea* Makino in Icon. Fl. Jap. 1,1: t. 1-2 (1900), non Maximowicz (1883).  
*Prunus pseudocerasus* sensu Komarov in Act. Hort. Petrop. 22: 545 (Fl. Mandsh. II.) (1904), non Lindley (1825).  
*Prunus pseudo-Cerasus* var. *β. borealis* Makino in Bot. Mag. Tokyo, 22: 99 (1908), exclud. syn. Stapf.  
*Prunus serrulata β. borealis* Makino in op. cit. 23: 75 (1909).
- Prunus jamasakura a. elegans c. compta* Koidzumi in Bot. Mag. Tokyo, 25: 186 (1911).  
*Prunus jamasakura γ. borealis* Koidzumi in op. cit. 187 (1911).  
*Prunus jamasakura γ. borealis f. hortensis* in op. cit. 188 (1911).  
*Prunus sachalinensis* Koidzumi in Bot. Mag. Tokyo, 26: 32 (1912). — Nakai, Fl. Sylv. Kor. 5: 24, t. 7 (1915).  
*Prunus Jamasakura* var. *spontanea* Matsumura, Ind. Pl. Jap. 2,2: 217 (1912).  
*Prunus donarium* subsp. *sachalinensis* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 276, fig. 8 (1913).  
*Prunus donarium* subsp. *sachalinensis* var. *compta* Koidzumi, l. c., fig. 9 (1913).  
*Prunus serrulata* var. *sachalinensis* Wilson, Cherries Jap. 35 (1916).  
*Prunus sachalinensis* f. *typica* et f. *albida* Miyoshi in Jour. Coll. Sci. Tokyo, 34,1: 78, 80 (1916).  
*Cerasus sachalinensis* Komarov & Klobukova-Alisova, Key Pl. Far East Reg. U. S. S. R. 657 (1932). — Pojar-kova in Komarov, Fl. S. S. S. R. 10: 552 (1941).  
*Prunus serrulata* var. *sachalinensis* f. *albida* et f. *typica* Nemoto, Nippon Shokob. Soran Hoi (Fl. Jap. Suppl.) 337, 339 (1936).
- P. Juddii** (*P. Sargentii* ♀ × *yedoensis*) E. Anderson in Jour. Arnold Arb. 16: 358 (1935).
- P. serrulata** Lindley in Trans. Hort. Soc. Lond. 7: 238 [1828]. — Wilson, Cherries Japan, 26 (1916). — Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 14 [1918].  
*Cerasus serrulata* G. Don ex Loudon, Hort. Brit. 480 (1830); Arb. Brit. 2: 701, fig. 406 (1838). — G. Don, Gen. Hist. Dichlam. Pl. 2: 514 (1832).  
*Cerasus serrulata fl. pleno* Kirchner in Petzold & Kirchner, Arb. Muscav. 258 (1864).  
*Cerasus Sieboldii alba plena* hort. ex Carrière in Rev. Hort. 1875: 400 (1875).  
*Cerasus serratifolia* Carrière in Rev. Hort. 1877: 389, t., fig. 2 (1877).  
*Cerasus Pseudocerasus chinensis fl. albo pleno* Anon. in Wien. Ill. Gart.-Zeit. 1880: 467 (1880), nom. subnud.  
*Prunus serratifolia* Booth ex Salomon, Deutsche Winterh. Bäume Sträuch. 203 (1884), pro syn.  
*Prunus pseudocerasus* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 221 (1887), p. p.; non Lindley (1826).  
*Prunus serrulata* f. *albo plena* Schneider, Ill. Handb. Laubh. 1: 611 (1906).  
*Prunus serrulata* f. *mucronata* Koehne in Mitt. Deutsch. Dendr. Ges. 1909(18): 170 [1910?], syn. exclud.
- P. serrulata** var. *spontanea* (Maxim.) Wilson, Cherries Japan, 28 (1916), pl. chin. exclud. — Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 16 [1918].  
*Prunus Cerasus β. flore simplici* Thunberg, Fl. Jap. 201 (1784), p. p.  
*Prunus jamasakura* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12,1: 68 (Syn. Pl. Oecon. Jap.) (1830), nom.  
*Prunus puddum* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 90 (Prol. Fl. Jap. 22) (1865), p. p.; non *Cerasus p. Wallich* (1831).  
*Cerasus montana* Siebold ex Miquel, l. c. (1865), pro syn.  
*Prunus Pseudocerasus* sensu Gray in Perry, Narr. Exped. China Jap. 2: 310 (1856); in Mem. Am. Acad. Arts Sci. n. ser., 6: 386 (1857), p. p.; non Lindley (1825).  
*Prunus pseudocerasus* var. *spontanea* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 102 (in Mém. Biol. 11: 697) (1883), p. p. typ.



- Prunus serrulata* var. *Ungerii* Sprenger in Gartenwelt, **10**: 89 (1905).
- Prunus serratifolia* var. *Nageri* Sprenger in Bull. Soc. Tosc.ortic. **11**: 178 (1906), err. typogr. pro "*Ungerii*".
- Prunus pseudo-Cerasus* var. *a. Jamasakura* subvar. *glabra* Makino in Bot. Mag. Tokyo, **22**: 93 (1908).
- Prunus pseudo-cerasus* a. *typica* Koidzumi in Bot. Mag. Tokyo, **23**: 182 (1909), p. p.; non *P. pseudocerasus* Lindley (1825).
- Prunus Jamasakura* a. *elegans* a. *glabra* Koidzumi in op. cit. **25**: 185 (1911).
- Prunus tenuiflora* Koehne in Sargent, Pl. Wilson. **1**: 209 (1912), p. p.
- Prunus Jamasakura* var. *typica* Matsumura, Ind. Pl. Jap. **2,2**: 217 (1912).
- Prunus donarium* subsp. *elegans* var. *glabra* Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 266, fig. 3 (1913).
- Prunus mutabilis* Miyoshi in Jour. Coll. Sci. Tokyo, **34,1**: 35 (1916).
- Prunus Mume* var. *crasse glandulosa* Miquel in herb. ex Koehne in Sargent, Pl. Wilson. **1**: 249 (1912), pro syn. sub *P. Sargentii*; in Mitt. Deutsch. Dendr. Ges. **1917** (26): 17 [1918].
- P. serrulata** var. *hupehensis* (Ingram) Ingram in Gard. Chron. ser. 3, **115**: 117 (1944); in Jour. Hort. Soc. Lond. **69**: 128 (1944).
- Prunus tenuiflora* Koehne in Sargent, Pl. Wilson. **1**: 209 (1912), p. p.
- Prunus serrulata* var. *spontanea* Wilson, Cherries Jap. **28** (1916) p. p. quoad pl. chin.
- Prunus hupehensis* Ingram in Gard. Chron. ser. 3, **82**: 148 (1927).
- P. serrulata** var. *pubescens* (Makino) Wilson, Cherries Japan, **31** (1916).—Nakai, Fl. Sylv. Kor. **5**: 28, t. 11 (1916).—Koehne in Mitt. Deutsch. Dendr. Ges. **1917** (26): 19, fig. 4a-e [1918].
- Prunus pseudo-Cerasus* var. *Sieboldi* sensu Matsumura in Bot. Mag. Tokyo, **15**: 101 (1901), non Maximowicz (1883).
- Prunus pseudo-Cerasus* var. *a. Jamasakura* subvar. *b. pubescens* Makino in Bot. Mag. Tokyo, **22**: 98 (1908).
- Prunus Jamasakura* a. *elegans* b. *pubescens* Koidzumi in Bot. Mag. Tokyo, **25**: 185 (1911).
- Prunus Jamasakura* var. *pubescens* Nakai in Jour. Coll. Sci. Tokyo, **31**: 482 (Fl. Kor. II.) (1911).
- Prunus tenuiflora* Koehne in Sargent, Pl. Wilson. **1**: 209 (1912), p. p.
- Prunus Veitchii* Koehne in op. cit. 257 (1912).
- Prunus tenuiflora* var. *pubescens* Koehne in Repert. Sp. Nov. Reg. Veg. **11**: 268 (1912).
- Prunus donarium* subsp. *elegans* var. *pubescens* Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 269, fig. 5 (1913).
- Prunus quelpaertensis* Nakai in Repert. Sp. Nov. Reg. Veg. **13**: 276 (1914); Fl. Sylv. Kor. **5**: 25, t. 9 (1916).
- Prunus tenuiflora* f. *Nebelii* Koehne in Bot. Centralbl. Beibl. **37,2**: 136, t. 6B (1919).
- P. serrulata** var. *Lannesiana* (Carr.) Makino in Jour. Jap. Bot. **5**: 13, 45 (1928).
- Cerasus Lannesiana* Carrière in Rev. Hort. **1872**: 198 (1872); **1873**: 351, t. (1873).
- Prunus Pseudo-Cerasus* β. *hortensis* "fl. simpliciter carneo" Maximowicz in Bull. Acad. Sci. St. Pétersb. **29**: 102 (in Mém. Biol. **11**: 697) (1883).
- Prunus pseudo-cerasus* ["fl. simple"] Tanaka, Useful Pl. Jap. fig. 542 (1889); [Text] 134 (1895); Cont. Indic. **70** (1902).
- Prunus serrulata* sensu Koehne, Deutsche Dendr. **308** (1893), non Lindley [1828].
- Prunus pseudocerasus* (f.) *hortensis* Dippel, Handb. Laubh. **3**: 620 (1893).
- Prunus Pseudo-Cerasus* sensu Stapf in Bot. Mag. **131**: t. 8012 (1905), exclud. syn. plur.
- Prunus pseudo-cerasus* var. *serrulata* subvar. *glabra* Makino in Bot. Mag. Tokyo, **22**: 102 (1908).
- Prunus serrulata* f. *Lannesiana* Koehne in Mitt. Deutsch. Dendr. Ges. **1909**(18): 167 [1910?].
- Prunus serrulata* a. *serrulata* f. *lannesiana* Makino in Bot. Mag. Tokyo, **23**: 74 (1909).
- Prunus pseudo-cerasus* β. *spontanea* subvar. *hortensis* Koidzumi in Bot. Mag. Tokyo, **22**: 183 (1909), p. p.
- Prunus Jamasakura* β. *speciosa* var. *nobilis* Koidzumi in Bot. Mag. Tokyo, **25**: 187 (1911), p. p.
- Prunus donarium* subsp. *speciosa* var. *nobilis* Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 272 (1913), p. p.
- Prunus Lannesiana* Wilson, Cherries Japan, **43** (1916).—Koehne in Mitt. Deutsch. Dendr. Ges. **1917**(26): 25, fig. 6a<sup>1</sup>-e<sup>1</sup> [1918].
- P. serrulata** f. *albida* Makino in Bot. Mag. Tokyo, **23**: 74 (1909) "*a. serrulata* f. *a.*"—Koehne in Sargent, Pl. Wilson. **1**: 247 (1912).
- Prunus cerasus* β. *flore simpliciter* Thunberg, Fl. Jap. **201** (1784), p. p.
- Prunus Pseudo-Cerasus* a. Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. Münch. **4,2**: 123 (Fl. Jap. Fam. Nat. **1**: 15) (1845), non Lindley (1825).
- Prunus Pseudo-cerasus* sensu Gray in Perry, Narr. Exped. China Jap. **2**: 310 (1856), p. p.; in Mem. Am. Acad. Arts Sci. n. ser., **6**: 386 (1857), p. p.; non Lindley (1825).
- Prunus Pseudo-Cerasus* β. *hortensis* Maximowicz in Bull. Acad. Sci. St. Petersb. **29**: 102 (in Mém. Biol. **11**: 697) (1883).
- Prunus pseudo-Cerasus* γ. *serrulata* subvar. *Sieboldi* f. *albida* Makino in Bot. Mag. Tokyo, **22**: 102 (1908).
- Prunus serrulata* a. *serrulata* f. *albida* et f. *longipes* Makino in op. cit. **23**: 74, 75 (1909).
- Prunus serrulata* f. *yoshino* h. ex Koehne in Mitt. Deutsch. Dendr. Ges. **1909**(28): 167 [1910?].
- Prunus Pseudo-cerasus* *yoshino* hort. ex Koehne, l. c. [1910?], pro syn.—Kache in Gartenwelt, **16**: 353 (1912).
- Prunus Jamasakura* β. *speciosa* Koidzumi in Bot. Mag. Tokyo, **25**: 186 (1911).
- Prunus Jamasakura* β. *speciosa* var. *nobilis* l. *serrulata* Koidzumi in op. cit. 187 (1911).
- Prunus serrulata* var. *albida* subv. a. *hortualis* Makino in Bot. Mag. Tokyo, **26**: 114, fig. 9 (1912).
- Prunus serrulata* var. *albida* subvar. b. *speciosa* Makino in op. cit. 117, fig. 10, 11 (1912).—Koehne in Repert. Sp. Nov. Reg. Veg. **11**: 268 (1912). "*P. s. f. speciosa*".
- Prunus donarium* subsp. *speciosa* Koidzumi in Jour. Coll. Sci. Tokyo, **34,2**: 271, fig. 7 (1913).
- Prunus donarium* subsp. *speciosa* var. *nobilis* Koidzumi in op. cit. 272 (1913), p. p.
- Prunus Lannesiana* f. *albida* Wilson, Cherries Japan, **43** (1916).—Koehne in Mitt. Deutsch. Dendr. Ges. **1917** (26): 28 [1918].
- Prunus mutabilis* f. *speciosa* Miyoshi in Jour. Coll. Sci. Tokyo, **34,1**: 42 (1916).
- Prunus serrulata* f. *longipes* Miyoshi in op. cit. 107 (1916).—Anon. in Jour. Hort. Soc. Lond. **67**: 147, fig. 50 (1942).
- Prunus Lannesiana* f. *speciosa* Koehne, l. c. (1918).

***Prunus serrulata* f. *albida*** (continued)

*Prunus speciosa* Ingram in Jour. Hort. Soc. Lond. **50**: 80 (1925).

*Prunus serrulata* "Oshima-zakura" Russell in U. S. Dept. Agric. Circ. **313**: 35, fig. 13 (Orient. Fl. Cherries) (1934).

*Prunus Lannesiana* f. *longipes* (Miyoshi) Nemoto, Nippon-Shokubutsu-Soran-Hoi (Fl. Jap. Suppl.) 329 (1936).

**P. serrulata** "KIKU-SHIDARE-ZAKURA" [hort. Jap.] ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 472 (1940).\*  
? *Prunus serrulata* var. *pendula* Bean, Trees Shrubs Brit. Isl. **2**: 252 (1914).

*Prunus serrulata* "Kiku-shidare" Russell in op. cit. 27, fig. 9 (1934).

**P. serrulata** "KIKU-ZAKURA" [hort. Jap.] ex Rehder, l. c. (1940), non "Kikuzakura" Miyoshi (1916).

*Prunus serrulata* f. *shidare-zakura* Koehne in Mitt. Deutsch. Dendr. Ges. **1909**(18): 170 [1910?], non *Shidare-zakura* hort. Jap. ex Wilson, op. cit. 27 (1916), pro syn. = *P. subhirtella* var. *pendula*.

*Prunus serrulata* f. *rosea* (Carr.) Wilson, op. cit. 27 (1916).

? *Prunus* "Kiku-zakura" Russell in op. cit. 67 (1934), nom.

**P. serrulata** "FUGENZO" [hort. Jap.] ex Russell in op. cit. 45, fig. 19 (1934).

*Cerasus pseudo-cerasus* "James Veitch" Anon. in Gartenfl. **51**: 497 (1902).

*Prunus Pseudo-cerasus* var. "James Veitch" Veitch, Hortus Veitchii, 372 (1906).

*Prunus pseudo-Cerasus* γ. *serrulata* subvar. *glabra* f. *Fugenzo* Makino in Bot. Mag. Tokyo, **22**: 102 (1908).

*Prunus serrulata* a. *serrulata* f. *Fugenzo* Makino in Bot. Mag. Tokyo, **23**: 73 (1909).

*Prunus serrulata* f. *classica* Miyoshi [Pl. World Jap.] 98 (1910); in Jour. Coll. Sci. Tokyo, **34**, 1: 123, t. 3, fig. 5, t. 18, fig. 78 (1916).

*Prunus serrulata* var. *sachalinensis* f. *fugenzo* Wilson, op. cit. 39 (1916).

**P. serrulata** "SHIRO-FUGEN" [hort. jap.] ex Russell in op. cit. 57, fig. 28 (1934).

*Prunus serrulata* var. *sachalinensis* f. *albo-rosea* (Makino) Wilson, op. cit. 38 (1916).

**P. serrulata** "HISAKURA" [hort. jap.] ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 472 (1940).

*Prunus serrulata* f. *hisakura* Koehne in Gartenfl. **51**: 2, t. 1494, fig. b (1902).

*Prunus serrulata* var. *sachalinensis* f. *hisakura* Wilson, op. cit. 39 (1916).

*Prunus Lannesiana* f. *hisakura* Koehne in op. cit. 30 (1918).

**P. serrulata** "HORINJI" [hort. jap.] ex Russell in op. cit. 49 (1934).

\*) The Japanese names of the clonal garden forms of *P. serrulata* enumerated here and appended to the binomial should not be considered as forming combinations with that binomial; this is indicated by their citation in quotation marks and by being printed in a different type. The first eight clonal names belong to typical *P. serrulata* while "Amanogawa" and the following belong to *P. s.* var. *Lannesiana*. For a discussion of the question of the nomenclature of clones, see Jour. Arnold Arboretum, **10**: 65-67 (1929). By several authors, however, the clonal names have been treated as forming combinations with the botanical names; these combinations are cited here as synonyms and the references given under the name of the author followed by "op. cit." refer to the following publications of the respective authors: Wilson, Cherries Japan (1916); Miyoshi in Jour. Coll. Sci. Tokyo, **34**, 1: 175 pp., 23 t. (1916); Koehne in Mitt. Deutsch. Dendr. Ges. **1917**(26): 1-65 [1918]; Russell in U. S. Dept. Agric. Circ. **313** (Orient. Fl. Cherries) (1934). See also Ingram in Jour. Hort. Soc. Lond. **50**: 73-99 (1925); **54**: 159-180 (1929).

*Cerasus Juliana* fl. *roseo pleno* Carrière in Rev. Hort. **1874**: 20 (1874); **1875**: 400, t. (1875).

? *Cerasus Pseudocerasus chinensis* fl. *roseo pleno* (Siebold) Anon. in Wien. Ill. Garten-Zeit. **5**: 467 (1880), nom. subnud.

*Prunus donarium* subsp. *speciosa* var. *nobilis* f. *horinji* Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 274 (1913).

*Prunus serrulata* f. *decora* Miyoshi in Jour. Coll. Sci. Tokyo, **34**, 1: 110, t. 15, fig. 60 (1916, March 10).

*Prunus serrulata* var. *sachalinensis* f. *horinji* Wilson, op. cit. 40 (1916, March 30).

**P. serrulata** "SEKIYAMA" [hort. jap.] ex Wilson, op. cit. 41 (1916) "*P. serrulata* var. *sachalinensis* f. s.—Its Japanese name is Kanzan or Kwanzan."

*Prunus donarium* subsp. *speciosa* var. *nobilis* f. *sekiyama* Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 276 (1913).

*Prunus serrulata* "Kwanzan" Russell in op. cit. 51, fig. 24 (1934).

**P. serrulata** "SHOGETSU" [hort. jap.] ex Russell in op. cit. 57, fig. 29 (1934).

*Prunus serrulata* f. *superba* Miyoshi in op. cit. 105, t. 16, fig. 69 (1916, March 10).

*Prunus* "Shogetsu" Miyoshi in op. cit. (1916), pro syn. jap.

*Prunus serrulata* var. *sachalinensis* f. *shogetsu* Wilson, op. cit. 41 (1916, March 30).

*Prunus serrulata* var. *sachalinensis* f. *superba* Wilson, op. cit. Suppl. i (1916, Aug.).

**P. serrulata** "AMANOGAWA" [hort. jap.] ex Russell in op. cit. 27, fig. 10 (1934).

*Prunus serrulata* f. *erecta* Miyoshi in op. cit. 135, 150, t. 5, fig. 10, t. 20, fig. 87 (1916, March 10).

*Prunus* "Amanogawa" Miyoshi in op. cit. 135 (1916), pro syn. jap.

*Prunus Lannesiana* f. *amanogawa* Wilson, op. cit. (1916, March 30).

*Prunus Lannesiana* f. *erecta* Wilson, op. cit. Suppl. iii (1916, Aug.).

**P. serrulata** "JO-NIOI" [hort. jap.] ex Russell in op. cit. 32 (1934).

*Prunus serrulata* f. *affinis* Miyoshi in op. cit. 134, 149 (1916).

*Prunus* "Jo-nioi" Miyoshi in op. cit. 134 (1916), pro syn. jap.

*Prunus Lannesiana* f. *jonioi* Wilson, op. cit. 49 (1916, March 30).

*Prunus Lannesiana* f. *affinis* Wilson, op. cit. Suppl. iii (1916, Aug.).

**P. serrulata** "SIROTAE" [hort. jap.] ex Russell in op. cit. 40, fig. 17 (1934) "Shirotae".

*Prunus serrulata* f. *albida* Miyoshi [Pl. World Jap.] 85 (1910); in Jour. Coll. Sci. Tokyo, **34**, 1: 93, t. 10, fig. 38 (1916); non Makino (1909).

*Prunus donarium* subsp. *speciosa* var. *nobilis* f. *Sirotae* Koidzumi in Jour. Coll. Sci. Tokyo, **34**, 2: 275 (1913).

*Prunus Lannesiana* f. *sirotae* Wilson, op. cit. 40, fig. 17 (1916).

**P. serrulata** "YAYE-OSHIMA" [hort. jap.] ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 473 (1940).

*Prunus donarium* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**, 1: 68 (Syn. Pl. Oec. Jap.) (1830), nom.

*Prunus jamasakura* β. *speciosa* var. *nobilis* 2. *donarium* Koidzumi in Bot. Mag. Tokyo, **25**: 187 (1911).

- Prunus Lannesiana* f. *donarium* Wilson, op. cit. 46 (1916).  
— Koehne in op. cit. 37 [1918].
- Prunus Lannesiana* "Yaye-oshima" [hort. jap.] ex Wilson, l. c. (1916), pro syn.
- P. serrulata** "Ukon" [hort. jap.] ex Russell in op. cit. 30 (1934).
- Prunus serrulata* f. *grandiflora* A. Wagner in Gartenfl. 52: 169, t. 1513, fig. A (1903).
- Prunus serrulata* a. *serrulata* f. *viridiflora* Makino in Bot. Mag. Tokyo, 23: 74 (1909).
- Prunus Pseudo-cerasus* *Ukon* hort. ex Koehne in Mitt. Deutsch. Dendr. Ges. 1909(18): 168 [1910?], pro syn.
- Prunus serrulata* f. *luteo-virens* Miyoshi, [Pl. World Japan] 100 (1910); in Jour. Coll. Sci. Tokyo, 34,1: 124, t. 21, fig. 88 (1916).
- Prunus pseudo-cerasus* f. *virescens* Koehne in Sargent, Pl. Wilson. 1: 246 (1912).
- Prunus donarium* subsp. *speciosa* var. *nobilis* f. *Ukon* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 276 (1913).
- Prunus Lannesiana* f. *grandiflora* Wilson, op. cit. 55 (1916). — Koehne in op. cit. 29 (1918).
- P. serrulata** "HATA-ZAKURA" [hort. jap.] ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 473 (1940).
- Prunus serrulata* f. *vexillipetala* Miyoshi [Pl. World Jap.] 86 (1910); in Jour. Coll. Sci. Tokyo, 34,1: 99, t. 10, fig. 39 (1916).
- Prunus donarium* subsp. *speciosa* var. *nobilis* f. *Hata-zakura* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 273 (1913).
- Prunus Lannesiana* f. *hata-zakura* Wilson, op. cit. 49 (1916).
- P. serrulata** "FUKUROKUJU" [hort. jap.] ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 473 (1940).
- Prunus serrulata* f. *contorta* Miyoshi in Jour. Coll. Sci. Tokyo, 34,1: 103, t. 4, fig. 8, t. 15, fig. 63 (1916).
- Prunus* "Fukurokuju" Miyoshi in op. cit. 104 (1916), pro syn. jap.
- Prunus Lannesiana* f. *contorta* Wilson, op. cit. Suppl. ii (1916).
- Prunus Lannesiana* f. *fukurokuju* Wilson, op. cit. 48 (1916).
- P. serrulata** "BOTAN-ZAKURA" [hort. jap.] ex Russell in op. cit. 45 (1934).
- Prunus serrulata* f. *Moutan* Miyoshi in op. cit. 101, t. 11, fig. 43 (1916).
- Prunus* "Botan" Miyoshi, l. c. (1916), pro syn. jap.
- Prunus Lannesiana* f. *botan-zakura* Wilson, op. cit. 53 (1916).
- Prunus Lannesiana* f. *moutan* Wilson, op. cit. Suppl. iii (1916).
- P. serrulata** "OCHICHIMA" [hort. jap.] ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 473 (1940).
- Prunus serrulata* f. *ochichima* Koehne in Mitt. Deutsch. Dendr. Ges. 1909(18): 169 [1910?].
- Prunus Lannesiana* f. *Ochichima* Wilson, op. cit. 54 (1916).
- P. serrulata** "OJOCHIN" [hort. jap.] ex Russell in op. cit. 35, fig. 14 (1934).
- Prunus serrulata* f. *bullata* Miyoshi [Pl. World Jap.] 86 (1910); in op. cit. 98, t. 11, fig. 42 (1916).
- Prunus donarium* subsp. *speciosa* var. *nobilis* f. *ojochin* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 276 (1913).
- Prunus Lannesiana* f. *ojochin* Wilson, op. cit. 55 (1916).
- P. Sieboldii** (Carr.) Wittmack in Gartenfl. 51: 272 (1902).  
— Wilson, Cherries Japan, 57, t. 8 (1916). — Koehne in Mitt. Deutsch. Dendr. Ges. 1917(26): 10, fig. 2 [1918]. — Russell in U. S. Dept. Agric. Circ. 313: 24, fig. 8 (Or. Fl. Cherries) (1934).
- Cerasus pseudocerasus flore pleno roseo* Carrière in Rev. Hort. 1864: 216 (1864).
- Cerasus Sieboldii* Verlot in Rev. Hort. 1866: 279 (1866), nom. subnud. — Carrière in Rev. Hort. 1866: 371, t. (1866); in op. cit. 1875: 400 (1875) "Sieboldii."
- Prunus pseudocerasus* K. Koch, Dendr. 1: 107 (1869), quoad syn. *C. Sieboldii* Carr.
- Cerasus hortensis flore roseo pleno* Lavallée, Arb. Segrez. 73 (1877), pro syn.
- Prunus Pseudo-Cerasus*  $\gamma$ . *Sieboldii* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 102 (in Mém. Biol. 11: 697) (1883), exclud. syn. *C. paniculata* Edw. — Koehne in Sargent, Pl. Wilson. 1: 245 (1912) "f."; exclud. syn.
- Prunus pseudocerasus* fl. *roseo pleno* h. ex Späth, Kat. 73: 109 (1885).
- Cerasus Wattererii* Lavallée, Icon. Arb. Segrez. 119 (1885), pro syn. — Bean in Gard. Chron. ser. 3, 17: 618 (1895) "Watereri."
- Prunus Pseudo-cerasus* f. *Watereri* Koehne in Gartenfl. 51: 2, t. 1494, fig. a (1902).
- Prunus Pseudo-cerasus* var.  $\gamma$ . *serrulata* subvar. *Sieboldii* Makino in Bot. Mag. Tokyo, 22: 102 (1908).
- Prunus serrulata* a. *serrulata* f. *Sieboldii* Makino in Bot. Mag. Tokyo, 23: 74 (1909).
- Prunus serrulata* a. *serrulata* f. *Wattererii* Makino in op. cit. 75 (1909).
- Prunus pseudo-cerasus* a. *typica* subvar. *Sieboldii* Koidzumi in Bot. Mag. Tokyo, 23: 182 (1909), p. p.
- Prunus Koidzumii* Makino in op. cit. 26: 144, fig. 12 (1912).
- Prunus Jamasakura* var. *typica* subvar. *Sieboldii* Matsumura, Ind. Pl. Jap. 2,2: 217 (1912).
- Prunus Sieboldii* f. *Watereri* Koehne in Repert. Sp. Nov. Reg. Veg. 11: 267 (1912).
- Prunus pseudocerasus roseo-plena* Späth, Kat. 154: 113 (1912).
- Prunus donarium* subsp. *elegans* var. *pubescens* subvar. *Sieboldii* Koidzumi in Jour. Coll. Sci. Tokyo, 34,2: 170 (1913).
- Prunus donarium* subsp. *fortis* Koidzumi in op. cit. 278 (1913).
- Prunus fortis* Koidzumi, l. c. (1913), pro syn.
- Prunus serrulata* f. *mollis* Miyoshi in Jour. Coll. Sci. Tokyo, 34,1: 115 t. 18, fig. 79 (1916).
- Prunus Sieboldii* f. *yokichi* Wilson, Cherries Japan, 59 (1916).
- Prunus Sieboldii* f. *mollis* Wilson, op. cit. Suppl. iii (1916).
- Sect. 3. LOBOPETALUM (Koehne) Rehder, Man. Cult. Trees Shrubs, 471 (1927).
- Prunus* subgen. *Cerasus* sect. *Cremastosepalum* subsect. *Lobopetalum* Koehne in Sargent, Pl. Wilson. 1: 227, 231 (1912); in Mitt. Deutsch. Dendr. Ges. 1917(26): 2, 7 [1918].
- Prunus* subgen. *Cerasus* sect. *Pseudocerasus* subsect. *Conradinia* Koehne in op. cit. 227, 252 (1912), quoad *P. pauciflora*.
- P. cantabrigiensis** Stapf in Bot. Mag. 152: t. 9129 (1928).
- Prunus Pseudocerasus* sensu Koidzumi in Bot. Mag. Tokyo, 25: 188 (1911); in Jour. Coll. Sci. Tokyo, 34,2: 279, fig. 11, 12 (1913); non Lindley (1826).
- P. pseudo-cerasus** Lindley in Trans. Hort. Soc. Lond. 6: 90 (1826); in Bot. Reg. 31(Misc.): 39 (1845). —

**Prunus pseudo-cerasus** (continued)

Koehne in Repert. Sp. Nov. Reg. Veg. **11**: 270 (1912); in Mitt. Deutsch. Dendr. Ges. **1917**(26): 7, fig. 1a-e [1918]. — Rehder in Jour. Arnold Arb. **5**: 221 (1924). — Ingram in Jour. Hort. Soc. Lond. **68**: 307 (1943).

*Prunus paniculata* Ker in Bot. Reg. **10**: t. 800 (1824), exclud. descr.; non Thunberg (1784).

*Cerasus paniculata* sensu Seringe in De Candolle, Prodr. **2**: 539 (1825), non Loiseleur [1812].

*Prunus pauciflora* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 97 (Enum. Pl. Chin. Bor. 23. 1833) (1835).

*Prunus puddum* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 90 (Prol. Fl. Jap. **22**: 1866) (1865), p. p.

*Prunus Cerasus* sensu Debeaux in Act. Soc. Linn. Bordeaux, **33**: 42 (Fl. Tientsin, 19) (1879). — Gilg in Bot. Jahrb. **34**, Beibl. **74**: 41 (1904). — Non Linnaeus (1753).

*Prunus pendula* sensu Gilg in Bot. Jahrb. **34**, Beibl. **74**: 41 (1904), non Maximowicz (1883).

**P. Dielsiana** Schneider in Repert. Sp. Nov. Reg. Veg. **1**: 68 (1905). — Koehne in Sargent, Pl. Wilson. **1**: 243 (1912).

*Prunus szechuanica* var. seu *P. Dielsiana* seu *P. szechuanica* var. *Dielsiana* Schneider, l. c. (1905), nom. provis.

**P. cyclamina** Koehne in Sargent, Pl. Wilson. **1**: 207 (1912).

**P. involucrata** Koehne in Sargent, Pl. Wilson. **1**: 206 (1912); **3**: 432 (1917), pro syn.; in Mitt. Deutsch. Dendr. Ges. **1917**(26): 8, fig. 1 c<sup>2</sup>, d<sup>2</sup>, e<sup>2</sup>, [1918], pro syn.

Sect. 4. EUCERASUS Koehne, Deutsche Dendr. 306 (1893). — Schneider, Ill. Handb. Laubh. **1**: 611 (1906), sensu latiore.

*Prunus* subgen. *Cerasus* sect. *Cremastosepalum* subsect. *Eucerasus* Koehne in Sargent, Pl. Wilson. **1**: 226 (1912).

*Cerasus* subgen. *Typocerasus* sect. *Eucerasus* Poiarkova in Komarov, Fl. S. S. S. R. **10**: 556 (1941).

**P. avium** Linnaeus, Fl. Suec. ed. 2, 165 (1755). — Koch, Syn. Fl. Germ. Helv. 206 (1837). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 151 (1906).

*Prunus Cerasus* i. *avium* Linnaeus, Sp. Pl. 474 (1753) includ.  $\delta$ ,  $\epsilon$ ,  $\kappa$ ,  $\lambda$ .

*Prunus Cerasa* Crantz, Stirp. Austr. fasc. **2**: 58 (1763); ed. 2, **1**: 94 (1769); p. p.

*Cerasus nigra* Miller, Gard. Dict. ed. 8, C. no. 2 (1768).

*Prunus-Cerasus Avium* Weston, Bot. Univ. **1**: 224 (1770).

*Prunus-Cerasus sylvestris* Weston, Fl. Angl. **27** (1775).

*Cerasus avium* Moench, Meth. Pl. 672 (1794). — Poiarkova in Komarov, Fl. S. S. S. R. **10**: 556 (1941).

*Cerasus dulcis* G. Gaertner et al., Oekon.-tech. Fl. Wetterau, **2**: 181 (1800). — Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1414 (1803).

*Druparia avium* [Clairville], Man. Herb. Suisse, 159 (1811).

*Cerasus avium* a. *sylvestris*, b. *sativa* a. *melanocarpa* et  *$\beta$ . erythrocarpa* Dierbach in Mag. Pharm. **20**: 30-31 (Uebers. Heidelb. Wildw. Pfl.) (1827).

*Prunus avium* var. *microcarpa* Martius, Consp. Reg. Veg. **36** (1835), nom. subnud.

?*Cerasus avium* var. *amara* D. Sosnovski in Trav. Inst. Bot. Tbilissi, **1**: 69, fig. 11, 12 (Trudy Tbiliss. Bot. Inst. Akad. Nauk S. S. S. R. Gruz. Filial) (1934).

*Cerasus avium* var. *dulcis* D. Sosnovski, l. c. fig. 13, 14 (1934).

**P. avium** f. *asplenifolia* (Kirchn.) Schneider, Ill. Handb. Laubh. **1**: 616 (1906).

*Prunus avium* 3. *asplenifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 254 (1864). — Jäger, Ziergeh. 392 (1865) "var." — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 152 (1906) "lus."

*Prunus* [vel] *Cerasus avium heterophylla* hort. ex Ascherson & Graebner, l. c. (1906), pro syn.

**P. avium** f. *salicifolia* Schneider, Ill. Handb. Laubh. **1**: 616 (1906).

*Prunus avium* (f.) *salicifolia* hort. ex Dippel, Handb. Laubh. **3**: 615 (1893), nom. — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 152 (1906) "*P. a.* i. c. s."

*Cerasus avium salicifolia* hort. ex Dippel, l. c. (1893), pro syn.

*Prunus* vel *Cerasus avium angustifolia* hort. ex Dippel, l. c. (1893), pro syn.

**P. avium** f. *mamillaris* (Ser.) Rehder in Jour. Arnold Arb. **27**: 171 (1946).

*Cerasus decumana* M. D. L. [Mordant de Launay] in Bon Jard. **1808**: 103 (1808). — Seringe in De Candolle, Prodr. **2**: 536 (1825), pro syn.

*Cerasus nicotianaefolia* Mordant de Launay, l. c. (1808) "*nicotinaefolia*", pro syn. — Hort. ex Seringe, l. c. (1825), pro syn.

*Prunus macrophylla* Poiret, Encycl. Méth. Bot. Suppl. **4**: 584 (1816).

*Cerasus duracina*  $\gamma$ . *mamillaris* Seringe in De Candolle, Prodr. **2**: 536 (1825).

*Cerasus bigarella rostrata* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., **2**: C. no. 13; t. 279, fasc. 47 [1828].

*Prunus nicotianaefolia* Loiseleur ex Steudel, Nomencl. Bot. ed. 2, **2**: 403 (1841), pro syn.

*Cerasus avium grandifolia* C. de Vos, Handb. Boom. Heest. ed. 2, 40 (1887).

*Prunus avium* f. *decumana* Schneider, Ill. Handb. Laubh. **1**: 616 (1906, May). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 152 (1906, Nov.) "*P. a.* v. i. b. d."

**P. avium** f. *plena* [West.] Schneider, Ill. Handb. Laubh. **1**: 616 (1906, May). — Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 152 (1906, Nov.) "monstr."

?*Prunus-Cerasus avium* 14. *sylvestris plena* et 16. *plena* Weston, Bot. Univ. **1**: 225 (1700).

*Prunus-Cerasus sylvestris* 2. *plena* Weston, Fl. Angl. **27** (1775).

*Cerasus avium*  $\delta$ . *multiplax* Seringe in De Candolle, Prodr. **2**: 535 (1825).

*Cerasus avium* 4. *flore pleno* Kirchner in Petzold & Kirchner, Arb. Muscav. 254 (1864).

**P. avium** f. *pendula* [Seringe] Schneider, Ill. Handb. Laubh. **1**: 616 (1906).

*Cerasus Juliana*  $\gamma$ . *pendula* Seringe in De Candolle, Prodr. **2**: 536 (1825).

*Cerasus avium* 5. *pendula* Kirchner in Petzold & Kirchner, Arb. Muscav. 254 (1864).

*Prunus avium* var. *pendula* Jäger, Ziergeh. 392 (1865).

**P. avium** f. *fastigiata* (Poit. & Turp.) Rehder in Jour. Arnold Arb. **26**: 475 (1945).

*Cerasus avium fastigiata* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. **2**: C. no. 5; t. 298, fasc. 50 ? [1828]. — Poiteau, Pomol. Franç. **4**: C. no. 3; p. 185\*, t. 298 [1838-]46).

*Prunus* vel *Cerasus avium pyramidalis* Hort. ex Dippel, Handb. Laubh. **3**: 615 (1893), nom. altern.

- Prunus avium* lus. *pyramidalis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 152 (1906).
- P. avium** f. *nana* (Bean) grad. nov.
- Prunus avium* var. *nana* Bean, Trees Shrubs Brit. Isl. 2: 230 (1914).
- P. avium** var. *Juliana* (L.) Koch, Syn. Fl. Germ. Helv. 206 (1837) "β."
- Prunus Cerasus* e. *juliana* Linnaeus, Sp. Pl. 474 (1753).
- Prunus nigra* Ehrhart, Beitr. Naturk. 5: 161, no. 73 (1790), nom.; non Aiton (1789).
- Prunus nigricans* Ehrhart, op. cit., 7: 126 (1792).
- Cerasus nigricans* Borkhausen in Archiv für Bot. (Roemer) 1,2: 38 (1797).
- Cerasus Juliana* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 482 (1805).
- Cerasus Juliana* a. *erythrocarpa* et β. *ochroleuca* Dierbach in Mag. Pharm. 20: 33 (Uebers. Heidelb. Wildw. Pfl.) (1827).
- Prunus Bigarella* a. *Juliana* Dumortier, Florula Belg. 91 (1827).
- Prunus iuliana* Gaudin, Fl. Helv. 3: 308 (1828).
- Cerasus tenera nigra* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 2: C. no. 6; t. 330, fasc. 55 ? [1829].
- Prunus avium* var. *macrocarpae*: *Juliana* Martius, Consp. Reg. Veg. 36 (1835), p. p.
- P. avium** var. *duracina* (L.) Koch, Syn. Fl. Germ. Helv. 206 (1837) "γ."
- Prunus Cerasus* λ. *duracina* Linnaeus, Sp. Pl. 475 (1753).
- Prunus varia* a. *rubella* et β. *albida* Ehrhart, Beitr. Naturk. 7: 127–8 (1792).
- Cerasus varia* Borkhausen in Archiv für Bot. (Roemer) 1,2: 38 (1797).
- Cerasus duracina* De Candolle in Lamarck & De Candolle, Fl. Franç., ed. 3, 4: 483 (1805).
- Cerasus bigarella communis* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: C. no. 8; t. 40, fasc. 7 ? [1807 ?].
- Cerasus bigarella magna* Poiteau & Turpin in op. cit. C. no. 10; t. 47, fasc. 17 [1810].
- Cerasus bigarella francofurtensis* Poiteau & Turpin in op. cit. C. no. 12; t. 138, fasc. 24 [1811].
- Prunus duracina* Sweet, Hort. Brit. 134 [1826]. — Gaudin, Fl. Helv. 3: 308 (1828).
- Cerasus bigarella amarella* Poiteau & Turpin in op. cit. C. no. 11, t. 251, fasc. 42 [1827].
- Prunus Bigarella* β. *duracina* Dumortier, Florula Belg. 91 (1827).
- Cerasus duracina* a. *melanocarpa*, β. *erythrocarpa*, γ. *ochroleuca* (p. 32) Dierbach in Mag. Pharm. 20: 31–32 (Uebers. Heidelb. Wildw. Pfl.) (1827).
- Cerasus bigarella rocmontis* Poiteau & Turpin in op. cit. C. no. 9; t. 370, fasc. 62 [1830].
- Prunus Duracina* a. *melanocarpa* et β. *erythrocarpa* et γ. *ochroleucocarpa* Reichenbach, Fl. Germ. Excurs. 2: 643 (1832).
- Prunus avium* var. *macrocarpae*: *duracina* Martius, Consp. Reg. Veg. 36 (1835), p. p.
- P. avium** var. *actiana* (L.) Schneider, Ill. Handb. Laubh. 1: 616 (1906).
- Prunus Cerasus* ζ. *actiana* Linnaeus, Sp. Pl. 474 (1753).
- Cerasus avium* a. *sylvestris* Seringe in De Candolle, Prodr. 2: 535 (1825). — Kirschleger, Fl. Alsace, 1: 210 (1942).
- Prunus avium* var. *sylvestris* Martens & Kemmler, Fl. Würtemb. ed. 2, 155 (1865).
- P. Gondouini** (Poit. & Turpin) [*P. avium* × *Cerasus*] Rehder in Jour. Arnold Arb. 27: 171 (1946).
- Cerasus sativa multifera* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 2: C. no. 28; t. 3, fasc. 1 [1807].
- Cerasus Gondouini* Poiteau & Turpin in op. cit. C. no. 29; t. 66, fasc. 11 [1808] "*C. Gondouini*". — Poiteau, Pomol. Franç. 2: C. no. 27; p. 127, t. 66 (18[38–]46).
- Cerasus regalis praecox* Poiteau & Turpin in op. cit. C. no. 26; t. 123, fasc. 21 [1811].
- Cerasus anglica praecox* Poiteau & Turpin in op. cit. C. no. 27; t. 132, fasc. 22 ? [1811].
- Cerasus regalis communis* et *C. r. serotina* Poiteau & Turpin in op. cit. C. no. 24 et 25; t. 196 et p. 197, fasc. 33 [1826].
- ?*Cerasus effusa* Host, Fl. Austr. 2: 6 (1831).
- Prunus Cerasus* δ. *Aproniana* Schübler & Martens, Fl. Würtemb. 313 (1834).
- Cerasus caproniana* κ. *regalis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 74 (1847).
- Prunus aproniana* Beck, Fl. Nieder-Öster. 820 (1892).
- Prunus avium* var. *regalis* Bailey, Cycl. Am. Hort. [3]: 1453 (1901).
- Prunus caproniana* sensu Zabel in Beissner et al., Handb. Laubh.-Ben. 240 (1903), p. p.; vix Gaudin (1828).
- Prunus effusa* (Host) Schneider, Ill. Handb. Laubh. 1: 616 (1906, May).
- Prunus Cerasus* × *avium* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 153 (1906, Nov.).
- Prunus avium* × *Cerasus* Hedrick, Cherries New York, 31, t. (1915).
- P. Fontanesiana** (*P. avium* × *Mahaleb*) (Spach) Schneider, Ill. Handb. Laubh. 1: 617 (1906).
- Cerasus Fontanesiana* Spach, Hist. Nat. Vég. Phan. 1: 410 (1834).
- Prunus graeca* Desfontaines ex Steudel, Nomencl. Bot. ed. 2, 2: 403 (1841).
- Prunus Mahaleb cerasifolia* Hort. ex Schneider, Ill. Handb. Laubh. 1: 617 (1906), pro syn.
- P. zumbra** (*P. avium* × [*pensylvanica* × *pumila* ?]) Rosendahl & Butters, Trees Shrubs Minnesota, 227 (1928).
- P. Cerasus** Linnaeus, Sp. Pl. 474 (1753), p. p. typica. — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 147 (1906).
- Cerasus vulgaris* Miller, Gard. Dict. ed. 8, C. no. 1 (1768). — Poiarkova in Komarov, Fl. S. S. S. R. 10: 559 (1941).
- Cerasus hortensis* Miller, Gard. Dict., ed. 8, C. no. 3 (1768).
- Cerasus acida* G. Gärtner et al., Fl. Wetterau, 2: 185 (1800), vix Borkhausen (1797).
- Cerasus brevipes* Poiteau & Turpin in Duhamel, Traité Arb. Fruit., nouv. éd., 2: C. no. 17; t. 57, fasc. 10 ? [1808].
- Cerasus officinarum* Poiteau & Turpin in op. cit. C. no. 16; t. 91, fasc. 16 ? [1809].
- Cerasus communis* Poiteau & Turpin in op. cit. C. no. 14; t. 109, fasc. 19 [1810].
- Druparia cerasus* [Clairville], Man. Herb. Suisse, 159 (1811).
- ?*Cerasus recta* Liegel in Ann. Obstkunde, 2: 199 (1827).
- Cerasus prospera* Poiteau & Turpin in op. cit. C. no. 15; t. 263, fasc. 44 [1828 ?].
- Cerasus longipes* Poiteau & Turpin in op. cit. C. no. 20; t. 286, fasc. 48 ? [1829].

**Prunus Cerasus** (continued)

- Cerasus conglobata* Poiteau & Turpin in op. cit. *C.* no. 18; t. 346, fasc. 58 ? [1830] = *C. hortensis* Miller (1768).
- Cerasus peracida* Poiteau & Turpin in op. cit. *C.* no. 19; t. 374, fasc. 63 [1830].
- Cerasus officinalis* Poiteau & Turpin ex Poiteau, *Pomol. Franç.* 2: *C.* no. 14; p., t. 91 (18[38–]46) = *C. officinarum* Poit. & Turp. [1809].
- Cerasus cerasus* Eaton & Wright in Eaton, [Man.] *N. Am. Bot.* ed. 8, 189 (1840).
- Prunus recta* K. Koch, *Deutsch. Obstgeh.* 165 (1876).
- Prunus Cerasus* var. *typica* Schneider, *Ill. Handb. Laubh.* 1: 615 (1906).
- Prunus cerasus* subsp. *P. eu-cerasus* Ascherson & Graebner, *Syn. Mitteleur. Fl.* 6,2: 147 (1906).
- P. Cerasus f. plena** (L.) Rehder in *Jour. Arnold Arb.* 3: 30 (1921).
- Prunus Cerasus* γ. *plena* Linnaeus, *Sp. Pl.* 474 (1753).
- Prunus-Cerasus Cerasus* 4. *plena* Weston, *Bot. Univ.* 1: 224 (1770).
- Cerasus caproniana* ε. *multiplex* Seringe in De Candolle, *Prodr.* 2: 537 (1825).
- Prunus Cerasus* β. *flore pleno* Sweet, *Hort. Brit.* 134 (1830).
- Cerasus vulgaris* 3. *flore pleno* Hort. ex Loudon, *Arb. Brit.* 2: 694 (1838).
- Cerasus austera* β. *multiplex* Roemer, *Fam. Nat. Reg. Veg. Syn.* 3: 75 (1847).
- Cerasus acida* 3. *flore pleno* Kirchner in Petzold & Kirchner, *Arb. Muscav.* 252 (1864).
- Prunus Cerasus fl. albo pleno* Hartwig, *Ill. Gehölzb.* 287 (1892).
- Prunus Cerasus* f. *semitplena* Schneider, *Ill. Handb. Laubh.* 1: 616 (1906).—Voss in Putlitz & Meyer, *Landlex.* 6: 347 (1912) "subsp. *vulgaris* f. s."
- P. Cerasus f. Rhexii** [Kirchn.] Voss, *Vilmor. Blumengärt.* 1: 233 [1894].—Bailey, *Cycl. Am. Hort.* [3]: 1454 (1901) "var."—Rehder in *Jour. Arnold Arb.* 3: 31 (1921).
- Cerasus acida* γ. *plena* Roemer, *Fam. Nat. Reg. Veg. Syn.* 3: 65 (1847).
- Cerasus acida* 5. *Rhexii* Kirchner in Petzold & Kirchner, *Arb. Muscav.* 252 (1864).
- Cerasus avium fl. pl. serotino* Booth's *Cat. ex Kirchner*, l. c. (1864), pro syn.
- Cerasus Rhexii* Hort. ex Kirchner, l. c. (1864), pro syn.
- Prunus Cerasus* var. *Rhenii* Jäger, *Ziergeh.* 394 (1865), err. typogr.
- Cerasus Caproniana ranunculiflora* Van Houtte in *Fl. des Serr.* 17: t. 1805 (1868).
- Cerasus vulgaris Rhexii* Hartwig & Rümpler, *Bäume & Sträuch.* 145 (1875).
- Prunus Cerasus Rhexii plena* Jäger in Jäger & Beissner, *Ziergeh.* ed. 2, 266 (1884).
- Prunus Cerasus Caproniana ranunculifera* Jäger, l. c. (1884), sphalm. pro *ranunculiflora* ?
- Prunus Cerasus Rhexii flore pleno* Wittmack in *Deutsch. Garten-Zeit.* [1]: 224, fig. (1886).
- Prunus Cerasus flore albo pleno Rhexii* Hartwig, *Ill. Gehölzb.* 287 (1892).
- Prunus Cerasus f. ranunculiflora* Voss, *Vilmor. Blumengärt.* 1: 33 (1894).
- Prunus caproniana serotina fl. pleno* Zabel in Beissner et al., *Handb. Laubh.-Ben.* 240 (1903).
- Prunus Cerasus* subsp. *vulgaris f. plena* Loisel. ex Voss

in Putlitz & Meyer, *Landlex.* 6: 347 (1914), exclud. syn.; non *P. C.* var. *plena* Linnaeus (1753).

- P. Cerasus f. persiciflora** [Seringe] Voss, *Vilmor. Blumengärt.* 1: 233 [1894].
- Cerasus Caproniana* θ. *persiciflora* Seringe in De Candolle, *Prodr.* 2: 537 (1825).
- Prunus Cerasus* var. *persiciflora* Jäger, *Ziergeh.* 394 (1865).
- Cerasus Caproniana flore roseo pleno* Van Houtte in *Fl. des Serr.* 21: 141, t. 2238/9 (1875).
- P. Cerasus f. salicifolia** (Jäg.), grad. nov.
- Prunus Cerasus* var. *salicifolia* Jäger, *Ziergeh.* 394 (1865).
- Prunus caproniana* (f.) *salicifolia* hort. ex Zabel in Beissner et al., *Handb. Laubh.-Ben.* 240 (1903).
- P. Cerasus f. umbraculifera** (Jäg.), grad. nov.
- Prunus Cerasus* var. *umbraculifera* Jäger in Jäger & Beissner, *Ziergeh.* ed. 2, 266 (1884).
- ?*Prunus Cerasus globosa* Späth, *Haupt-Preisverz.* 69: 4 (1887).—Schneider, *Ill. Handb. Laubh.* 1: 616 (1906) "f. gl."
- ?*Prunus Cerasus* (f.) a. *dumosa* Dippel, *Handb. Laubh.* 3: 613 (1893).
- P. Cerasus** var. *frutescens* Neilreich, *Fl. Wien*, 635 (1846), p. p. typ.—Schneider, *Ill. Handb. Laubh.* 1: 615 (1906).—Rehder, *Man. Cult. Trees Shrubs*, ed. 2, 474 (1940) "f."
- ?*Prunus Cerasus* var. *pumila* C. F. Ludwig, *Neu. Wilde Baumz.* 36 (1783), nom.
- ?*Prunus pendula* Desfontaines, *Tabl. École Bot. Jard.*, ed. 2, 272 (1915), nom.
- Cerasus acida* Dumortier, *Florula Belg.* 91 (1827), nom.
- Cerasus pendula* Liegel in *Ann. Obstkunde*, 2: 199 (1827), an *C. pendula* Sweet, *Hort. Brit.* 485 (1827), nom.?
- Cerasus collina* Lejeune & Courtois, *Comp. Fl. Belg.* 2: 130 (1831).—Poiarkova in Komarov, *Fl. S. S. S. R.* 10: 561 (1941).
- ?*Cerasus pumila* Poiteau & Turpin in Duhamel, *Traité Arb. Fruit.*, nouv. éd. 2: *C.* no. 21; t. 192, fasc. 32 ? [1826], non Michaux (1803).
- ?*Cerasus nana* Poiteau & Turpin in Poiteau, *Pomol. Franç.* 2: *C.* no. 19; p. 174\*, t. 192 (18[38–]46), non *Prunus nana* Duroi (1772), nec Stokes (1812).
- Prunus acida* sensu K. Koch, *Dendr.* 1: 112 (1869), non Ehrhart (1792).
- Prunus pendula* K. Koch, *Deutsch. Obstgeh.* 167 (1876).
- Prunus Cerasus* β. *pendula* [Focke in] Koch, *Syn. Deutsch. Schweiz. Fl.* ed. 3 (Hallier), 1: 729 (1892).
- Prunus cerasus* subsp. β. *P. acida* sensu Ascherson & Graebner, *Syn. Mitteleur. Fl.* 6,2: 149 (1906), non *P. a.* Ehrhart (1792).
- Prunus Cerasus* var. *humilis* Bean, *Trees Shrubs Brit. Isl.* 2: 232 (1914).
- P. Cerasus** var. *Marasca* (Host) Viviani, *Fl. Dalmat.* 3: 258 (1852).—Schneider, *Ill. Handb. Laubh.* 1: 615 (1908) "f."
- Cerasus Marasca* Host, *Fl. Austr.* 2: 6 (1831).
- Prunus Marasca* Reichenbach, *Fl. Germ. Excurs.* 644 (1832).
- Prunus intermedia* f. *Marasca* Zabel in Beissner et al., *Handb. Laubh.-Ben.* 239 (1903).
- P. Cerasus** var. *semperflorens* (Ehrh.) Koch, *Syn. Fl. Germ. Helv.* 207 (1837) "δ."—Schneider, *Ill. Handb. Laubh.* 1: 616 (1906) "f."
- Prunus semperflorens* Ehrhart, *Beitr. Naturk.* 7: 132 (1792).

- Prunus serotina* Roth, Catalect. Bot. 1: 58 (1797), non Ehrhart (1788).
- Cerasus semperflorens* Borkhausen in Archiv. für Bot. (Römer) 1,2: 38 (1797).—De Candolle in Lamarck & De Candolle, Fl. Franç., ed. 3, 4: 481 (1805).
- Prunus intermedia* (f.) *sempervlorens* Zabel in Beissner et al., Handb. Laubh.-Ben. 239 (1903).
- Cerasus serotina* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 2: C. no. 23; t. 12, fasc. 2 [1807].
- P. *Cerasus* var. *austera*** Linnaeus, Sp. Pl. 474 (1753) "η."—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 148 (1906) "*P. C.* subsp. *A. P. eucerasus* t. a."
- Prunus austera* Ehrhart, Beitr. Naturk. 7: 129 (1792).
- Cerasus austera* Borkhausen in Archiv für Bot. (Römer) 1,2: 38 (1797).
- ?*Cerasus Caproniana* a. *melanocarpa* Dierbach in Mag. Pharm. 20: 33 (Uebers. Heidelb. Wildw. Pfl.) (1827).
- ?*Cerasus Chamaecerasus* β. *sativa* Dierbach in op. cit. 36 (1827).
- ?*Prunus Chamaecerasus* β. *sativa* Reichenbach, Fl. Germ. Excurs. 2: 643 (1832).
- Prunus intermedia* (f.) *sativa* Zabel in Beissner et al., Handb. Laubh.-Ben. 239 (1903).
- P. *Cerasus* var. *Caproniana*** Linnaeus, Sp. Pl. 474 (1753) "a."
- Cerasus vulgaris* Miller, Gard. Dict. ed. 8, C. no. 1 (1768), p. p.—Poiarkova in Komarov, Fl. S. S. S. R. 10: 559 (1941).
- Prunus acida* Ehrhart, Beitr. Naturk. 7: 130 (1792).
- Cerasus acida* Borkhausen in Archiv für Bot. (Römer) 1,2: 38 (1797).
- Cerasus Caproniana* Seringe in De Candolle, Prodr. 2: 536 (1825), p. p.
- Cerasus Caproniana* a. *Montmorencyana* Seringe, l. c. (1825).
- Cerasus Caproniana* β. *erythrocarpa* Dierbach in Mag. Pharm. 20: 34 (Uebers. Heidelb. Wildw. Pfl.) (1827).
- Prunus Caproniana* Gaudin, Fl. Helv. 3: 307 (1828).
- Prunus Cerasus* δ. *Aproniana* Schübler & Martens, Fl. Würtemb. 313 (1834).
- Prunus Cerasus* a. *acida* Koch, Syn. Fl. Germ. Helv. 206 (1837).
- Prunus vitrea* K. Koch, Deutsch. Obstgeh. 164 (1876).
- P. *eminens*** (*P. Cerasus* × *fruticosa*) Beck, Fl. Nieder-Öster. 821 (1892).
- Cerasus intermedia* Host, Fl. Austr. 2: 6 (1831), non Poiret (1804).
- Prunus Cerasus* var. *frutescens* Neilreich, Fl. Wien, 635 (1846), p. p.
- ?*P. reflexa* hort. ex Bailey, Cycl. Am. Hort. [3]: 1451 (1901), sub *P. fruticosa* var. *pendula*; non Walpers (1843).
- P. *fruticosa*** Pallas, Fl. Ross. 1: 19 (1784).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 146 (1906).
- Prunus Cerasus* β. *pumila* Linnaeus, Sp. Pl. 474 (1753).
- Cerasus pumila* Pallas, Reise Russ. Reich. 1: 153 (1771), nom.—Borkhausen in Archiv. für Bot. (Römer) 1,2: 38 (1797).—Non *P. pumila* L. (1767).
- Prunus Chamaecerasus* Jacquin, Coll. Bot. 1: 133 (1786).
- Prunus Chamaecerasus* β. *P. fruticosa* Willdenow, Sp. Pl. 2: 990 (1799).
- Prunus pumila* sensu Georgi, Geog.-Phys. Naturh. Beschr. Russ. Reich. 3,4: 1004 (1800), nom.—Fritsch, Exkursionsfl. Oester. 307 (1897), non Linnaeus (1767).
- Prunus intermedia* Poiret, Encycl. Méth. Bot. 5: 674 (1804).
- Cerasus Chamaecerasus* Loiseleur in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel], 5: 29 [1812].
- Cerasus Chamaecerasus* a. *silvestris* Dierbach in Mag. Pharm. 20: 36 (Uebers. Heidelb. Wildw. Pfl.) (1827).
- Cerasus humilis* Host, Fl. Austr. 2: 7 (1831).
- Prunus fruticosa* a. *typica* Beck, Fl. Nieder-Öster. 821 (1892).
- Cerasus sibirica* hort. ex Bailey, Cycl. Am. Hort. [3]: 1541 (1901).
- Cerasus fruticosa* Woronov in Bull. Appl. Bot. (Pl. Breed.) 14,3: 52 (1925).—Poiarkova in Komarov, Fl. S. S. S. R. 10: 558, t. 36, fig. 1 (1941).
- P. *fruticosa* f. *pendula*** Dippel, Handb. Laubh. 3: 615 (1893) "(f.)"—Schneider, Ill. Handb. Laubh. 1: 614 (1906) "var."
- Prunus Chamaecerasus* (f.) *salicifolia* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 239 (1903).
- Prunus Chamaecerasus pendula* Behnisch in Möller's Deutsch. Gärt.-Zeit. 20: 504, fig. (1905).—Beketovsky & Shelinto in Jour. Bot. U. R. S. S. 30: 77, fig. 10-13 (1945) "*P. Ch.* var. *p.* Dipp. fol. var."
- P. *Mitjurinii*** (*P. Cerasus* + *P. fruticosa* × *Maackii*) Hjelmqvist in Fysiogr. Sällsk. Handl. n. ser., 55,7: 24, fig. 5(p. 19) (1944). Cf. *Cerapadus* [*Cerasus* × *Padus*] Mitchurin, Itogi Shestid. Rabot, 407 (1936).
- Sect. 5. **MAHALEB** Koehne, Deutsche Dendr. 305, 306 (1893) "*P.* subgen. *M. Cerasus* sect. *M.*"; in Sargent, Pl. Wilson. 1: 226 (1912) "*P.* subgen. *M. Cerasus* grex *Typocerasus* sect. *Cremastosepalum* subsect. *M.*"
- Cerasus* subgen. *Typocerasus* sect. *Mahaleb* Poiarkova in Komarov, Fl. S. S. S. R. 10: 550 (1941), p. p.
- Prunus* sect. *Padus* a. *Mahaleb* [Focke in] Koch, Syn. Deutsch. Schweiz. Fl. ed. 3 (Hallier), 1: 730 (1892).
- P. *Mahaleb*** Linnaeus, Sp. Pl. 474 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 156 (1906).
- Cerasus Mahaleb* Miller, Dict. Gard. ed. 8, C. no. 4 (1768).—Poiarkova in Komarov, Fl. S. S. S. R. 10: 551 (1941).
- Padus Mahaleb* Borkhausen in Archiv für Bot. (Römer) 1,2: 38 (1797); Theor.-prakt. Handb. Forstbot. 2: 1434 (1803).
- Druparia mahaleb* [Clairville], Man. Herb. Suisse, 159 (1811).
- Prunus mahaleb* a. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 156 (1906).
- P. *Mahaleb* f. *xanthocarpa*** (Roem.) Rehder in Jour. Arnold Arb. 3: 31 (1921).
- Cerasus Mahaleb* 2. *fr. flavo* Hort. ex Loudon, Arb. Brit. 2: 707 (1838).
- Cerasus Mahaleb* a. *xanthocarpa* J. M. Roemer, Fam. Reg. Veg. Syn. 3: 80 (1847).
- Prunus Mahaleb* var. *fr. luteo* Jäger, Ziergeh. 398 (1865).
- ?*Cerasus Mahaleb* var. *fructu albo* Lavallée, Arb. Segrez. 75 (1877), nom.
- ?*Prunus Mahaleb* var. *fructu albo* Mouillefert, Arb. Arbriss. 1: 449 (1892).
- Prunus Mahaleb* var. *chrysocarpa* [Nicholson] in Kew Hand-list Trees Shrubs, 1: 143 (1894), nom.—Schneider, Ill. Handb. Laubh. 1: 617 (1906) "f."
- P. *Mahaleb* f. *pendula*** Dippel, Handb. Laubh. 3: 621 (1893) "(f.)"—Schneider, Ill. Handb. Laubh. 1: 617 (1906) "f."—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 157 (1906) "lus."—Bean, Trees Shrubs Brit. Isl. 2: 242 (1914) "var."



**Prunus** (continued)

- P. Mahaleb** f. *monstrosa* (Kirchn.) Schneider, Ill. Handb. Laubh. 1: 617 (1906).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 157 (1906) "lus."  
*Cerasus Mahaleb* 3. *monstrosa* Kirchner in Petzold & Kirchner, Arb. Muscav. 258 (1864).  
 ?*Prunus Mahaleb* f. *globosa* Dieck, Haupt-Cat. Zösch, 58 (1885).—Dippel, Handb. Laubh. 3: 621 (1893).  
 ?*Prunus Mahaleb* (f.) *compacta* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 243 (1903), nom.—Späth ex Schneider, Ill. Handb. Laubh. 1: 617 (1906) "f.", nom.—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 157 (1906) "*P. m. 2. c.*"
- P. pensylvanica** Linnaeus f., Suppl. Pl. 252 (1781).—Sargent, Silva N. Am. 4: 35, t. 156 (1892) "*pennsylvanica*".  
*Prunus-Cerasus montana* Marshall, Arbust. Am. 113 (1785).  
*Prunus lanceolata* Willdenow, Berlin. Baumz. 240, t. 3, fig. 3 (1796).  
*Cerasus borealis* Michaux, Fl. Bor. Am. 1: 286 (1803).  
*Prunus borealis* Poiret, Encycl. Méth. Bot. 5: 674 (1804).  
*Prunus persicifolia* Desfontaines, Hist. Arb. Arbriss. 2: 205 (1809).  
*Cerasus Persicifolia* Loiseleur in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 5: 9 [1812].  
*Cerasus Pensylvanica* Loiseleur, l. c. [1812].
- P. pensylvanica** var. *saximontana* Rehder in Mitt. Deutsch. Dendr. Ges. 1908(17): 160 [1908] "*pennsylvanica*"; Man. Cult. Trees Shrubs, ed. 2, 476 (1940).
- P. emarginata** (Hook.) Eaton, Man. Bot. N. St., ed. 7, 463 (1836).—Walpers, Repert. Bot. Syst. 2: 9 (1843).—Sargent, Silva N. Am. 4: 37 (1892), p. p. exclud. tab.—W. F. Wight in U. S. Dept. Agric. Bull. 179: 62 (1915).—Jepson, Fl. Calif. 2: 225 (1936).  
*Cerasus emarginata* Douglas ex Hooker, Fl. Bor.-Am. 1: 169 [1834].
- P. emarginata** var. *mollis* (Hook.) Brewer & Watson, Bot. Calif. 1: 167 (1876).—Sargent, Silva N. Am. 4: 39, t. 157 (1892).  
*Cerasus mollis* Douglas ex Hooker, Fl. Bor.-Am. 1: 164 [1834].  
*Prunus mollis* Walpers, Repert. Bot. Syst. 2: 9 (1843), non Torrey (1824).  
*Cerasus erecta* Presl, Epimel. Bot. 194 (1849).  
*Prunus erecta* Walpers, Ann. Bot. Syst. 3: 854 (1852).  
*Cerasus Pattoniana* Carrière in Rev. Hort. 1872: 135, fig. 17 (1872).  
*Prunus emarginata* sensu Sargent, l. c. t. 157 (1892), p. p.; non (Hook.) Eaton (1836).  
*Prunus emarginata villosa* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 240 (Nomencl. Arb. Fl. U. S.) (1897).—W. F. Wight in U. S. Dept. Agric. Bull. 179: 64 (Native Am. Sp. Prunus) (1915).  
*Cerasus prunifolia* Greene in Proc. Biol. Soc. Washington, 18: 57 (1905).  
*Prunus prunifolia* (Greene) Shafer in Britton, N. Am. Trees, 500, fig. 460 (1908).  
*Prunus emarginata erecta* Piper in Piper & Beattie, Fl. N. W. Coast, 199 (1915).
- Sect. 6. PHYLLOCERASUS (Koehne) Rehder, Man. Cult. Trees Shrubs, 473 (1927).  
*Prunus* subgen. *Cerasus* sect. *Cremastosepalum* subsect. *Phyllocerasus* Koehne in Sargent, Pl. Wilson. 1: 229 (1912).
- P. pilosiuscula** (Schneid.) Koehne in Sargent, Pl. Wilson.

- 1: 202 (1912).—Stapf in Bot. Mag. 153: t. 9192 (1927), exclud. syn. *P. polytricha* Koehne.  
*Prunus tatsienensis* var. *pilosiuscula* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 66 (1905).  
*Prunus pilosiuscula* var. *media* Koehne in Sargent, Pl. Wilson. 1: 204 (1912).  
*Prunus venusta* Koehne in op. cit. 239 (1912).
- P. litigiosa** Schneider in Repert. Sp. Nov. Reg. Veg. 1: 65 (1905).—Stapf in Bot. Mag. 153: t. 9192, p. [2] (1930).  
*Prunus variabilis* Koehne in Sargent, Pl. Wilson. 1: 201 (1912).  
*Prunus pilosiuscula* var. *barbata* Koehne in op. cit. 203 (1912).  
*Prunus Rehderiana* Koehne in op. cit. 205 (1912).  
*Prunus litigiosa* var. *abbreviata* Koehne in op. cit. 205 (1912).
- P. polytricha** Koehne in op. cit. 204 (1912).
- P. tatsienensis** Batalin in Act. Hort. Petrop. 14: 322 (1897).
- Sect. 7. PHYLLOMAHALEB (Koehne) Rehder, Man. Cult. Trees Shrubs, 474 (1927).  
*Prunus* subgen. *Cerasus* sect. *Cremastosepalum* subsect. *Phyllomahaleb* Koehne in Sargent, Pl. Wilson. 1: 226, 238 (1912).  
*Cerasus* subgen. *Typocerasus* sect. *Mahaleb* ser. *Maximowiczianae* Poiarkova in Komarov, Fl. S. S. S. R. 10: 550 (1941).
- P. Maximowiczii** Ruprecht in Bull. Phys. Math. Cl. Acad. Sci. St. Pétersb. 15: 131 (1857).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 104 (in Mém. Biol. 11: 700) (1883).—Nakai, Fl. Sylv. Kor. 5: 20, t. 5 (1916).  
*Cerasus Maximowiczii* Komarov in Komarov & Klobukova-Alisova, Key Pl. Far East Reg. U. S. S. R. 657 (1932).—Poiarkova in Komarov, Fl. S. S. S. R. 10: 550, t. 35, fig. 1 (1941).
- P. conadenia** Koehne in Sargent, Pl. Wilson. 1: 197 (1912).
- P. pleiocerasus** Koehne in Sargent, Pl. Wilson. 1: 198 (1912).—Stapf in Bot. Mag. 153: t. 9192, p. [2] (1930).  
*Prunus tatsienensis* var. *stenadenia* Koehne in Sargent, Pl. Wilson. 1: 201 (1912).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 476 (1940).
- P. macradenia** Koehne in op. cit. 199 (1912).
- P. discadenia** Koehne in op. cit. 200 (1912).
- Subgen. rv. PADUS (Moench) Focke in Nat. Pflanzenfam. III. 3: 54 (1888), p. p. typ.  
*Padus* Miller, Garden Dict. ed. 8 (1768), p. p.—Moench, Meth. Pl. 671 (1794), p. p.—Borkhausen in Archiv für Bot. (Roemer) 1,2: 38 (1797), p. p.—Komarov, Fl. S. S. S. R. 10: 575 (1941).  
*Cerasus* sect. *Padus*, S. F. Gray, Nat. Arr. Brit. Pl. 2: 589 (1821).  
*Prunus rotte Padi* Mertens & Koch in Röhring, Deutschl. Fl. ed. [3] 3: 405 (1831).—Koch, Syn. Fl. Germ. Helv. 207 (1837) "sect."  
*Prunus* sect. *Laurocerasus* Benth. & Hooker f., Gen. Pl. 1: 610 (1865), p. p.  
*Prunus* subgen. *Padus* sect. *Eupadus* Koehne, Deutsche Dendr. 303 (1893); in Verh. Bot. Ver. Brandenb. 52: (1910. Abh.) 107 (1911) "subgen. *P.* sect. *Gymnopadus* subsect. *Eupadus* ser. *Pachypodium* et ser. *Leptopodium* et ser. *Grayopadus*".

- Prunus* subgen. *Padus* sect. *Calycopadus* subsect. *Capollinia* et subsect. *Calycinia* Koehne, l. c. (1910).
- Prunus* subgen. *Padus* sect. *Gymnopadus* ser. *Maackiopadus* Koehne, l. c. (1910).
- Prunus* subgen. *Pseudopadus* Nakai, Fl. Sylv. Kor. 5: 14 (1916).
- P. serotina** Ehrhart, Beitr. Naturk. 3: 20 (1788).—Sargent, Silva N. Am. 4: 45, t. 159 (1892).—Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 1, t. [1907].
- Prunus virginiana* Linnaeus, Sp. Pl. 473 (1753), p. p. quoad syn. plur.
- ?*Prunus-Cerasus virginiana* Weston, Bot. Univ. 1: 225 (1770).—Marshall, Arbust. Am. 112 (1785).
- Padus virginiana* Miller, Gard. Dict. ed. 8, P. no. 3 (1768), non *Prunus virginiana* Linnaeus (1753).
- ?*Cerasus canadensis* W. Young, Cat. Arb. Arbust. Am. 5 Am. 5 (1783), nom.
- Padus serotina* Borkhausen in Archiv für Bot. (Römer) 1,2: 38 (1797).—Schneider, Ill. Handb. Laubh. 1: 643, fig. 351t-t<sup>2</sup>, 352e, 353a-f (1906).
- Cerasus virginiana* Michaux, Fl. Bor.-Am. 1: 285 (1803).
- Cerasus serotina* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 3 [1812], non Poiteau & Turpin [1807].
- Prunus serotina* (f.) *typica* Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907].
- P. serotina** f. *pendula* [Otto] Schwerin, l. c. (1906).
- Prunus serotina* var. *pendula* [Otto] in Hamburg. Gart.- & Blumenzeit. 38: 419 (1882, Aug.).—Mietzsch in Ill. Monatsch. Gartenb. 1: 376, t. (1882, Nov.) "*P. s. p.*" —Zabel in Beissner et al., Handb. Laubh.-Ben. 244 (1903) "f.", nom.—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 163 (1907) "lus."
- P. serotina** f. *asplenifolia* (Kirchn.) Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907, Jan.].—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 163 (1907, May) "lus."
- Cerasus serotina* 2. *asplenifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 260 (1864).
- Padus serotina* f. *asplenifolia* Schneider, Ill. Handb. Laubh. 1: 643 (1906).
- P. serotina** f. *cartilaginea* (Lehm.) Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907].—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 163 (1907, May) "lus."
- Prunus cartilaginea* Lehmann in Delect. Sem. Hort. Hamburg. 1833: ? (1833); in Linnaea, 10 (Litt. Ber.): 76 (1836).
- Padus cartilaginea* Roemer, Fam. Nat. Reg. Veg. 3: 86 (1847).
- Cerasus serotina* 3. *cartilaginea* Kirchner in Petzold & Kirchner, Arb. Muscav. 260 (1864).
- Prunus serotina* a. *cartilaginea* Dippel, Handb. Laubh. 3: 645 (1893).
- P. serotina** f. *phelloides* Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907].
- Cerasus virginiana pyramidalis salicifolia* hort. ex Hesse, Kat. (1902) ex Schwerin, l. c. [1907].
- Prunus serotina* (f.) *pyramidalis* Zabel in Beissner et al., Handb. Laubh.-Ben. 244 (1903), nom. subnud.—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 163 (1907) "lus."
- Padus serotina pyramidalis* Schneider ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907].
- Prunus serotina* var. *salicifolia* [Nicholson] in Kew Hand-
- list Trees Shrubs, 1: 144 (1894), nom.—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 6: 1547 (1912), non Koehne (1893).
- P. serotina** var. *montana* (Small) Britton in Mem. Torrey Bot. Club, 5: 357 (1894).
- Cerasus serotina* var. *montana* Small in Mem. Torrey Bot. Club, 4: 114 (1894), vix *Prunus-Cerasus montana* Marshall (1785).
- Prunus serotina neomontana* Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 245 (Nomencl. Arb. Fl. U. S.) (1897).
- Padus serotina neomontana* Small, Fl. Southeast. U. S. 574 (1903).
- Prunus serotina Smallii* Britton, Man. Fl. N. St. Can. 526 (1901).—Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907] "f."
- P. serotina** var. *salicifolia* (Kunth) Koehne, Deutsche Dendr. 305 (1893) "β."
- Prunus salicifolia* Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. 6: 241, t. 563 (1823).
- Prunus capuli* Cavanilles ex Sprengel, Syst. Veg. 2: 477 (1825).—Popenoe & Pachano in Jour. Hered. 13: 51, 7 fig. (1922).
- Cerasus salicifolia* Seringe in De Candolle, Prodr. 2: 540 (1825).
- Cerasus Capuli* Seringe in op. cit. 541 (1825).
- Cerasus Capollin* Mex. ex Seringe in op. cit. 541 (1825), pro syn.
- Prunus capollin* De Candolle ex Zuccarini in Abh. Phys.-Math. Cl. Acad. Wiss. Münch. 2: 345, t. 8 (Pl. Nov. Hort. Monac. 2) (1836).
- Laurocerasus salicifolia* Roemer, Fam. Nat. Veg. Reg. Syn. 3: 89 (1847).
- Padus capollin* Schneider, Ill. Handb. Laubh. 1: 644, fig. 351u-u<sup>2</sup>, 352m (1906).
- Padus salicifolia* Schneider, Ill. Handb. Laubh. 1: 645, fig. 352f (1906).
- P. virens** (Woot. & Standl.) Shreve in Carnegie Inst. Washington Publ. 217: 43 (Veg. Desert Mtn.) (1915).—Standley in Contrib. U. S. Nat. Herb. 23: 340 (1922).
- Prunus salicifolia* var. *acutifolia* S. Watson in Proc. Am. Acad. Arts Sci. 22: 411 (1887).
- Padus virens* Wooton & Standley in Contrib. U. S. Nat. Herb. 16: 133 (1913).
- P. alabamensis** Mohr in Bull. Torrey Bot. Club, 26: 118 (1899).—Sargent, Man. Trees N. Am. 526, fig. 436 (1905).
- Padus Alabamensis* Small, Fl. Southeast. U. S. 574, 1331 (1903).
- Prunus serotina* (f.) *alabamensis* Schwerin in Mitt. Deutsch. Dendr. Ges. 1906(15): 3 [1907].
- P. Cuthbertii** Small in Bull. Torrey Bot. Club, 28: 290 (1901).
- Padus Cuthbertii* Small, Fl. Southeast. U. S. 574, 1331 (1903).
- P. australis** Beadle in Biltmore Bot. Stud. 1: 662 (1901).—Sargent, Man. Trees N. Am. 527, fig. 437 (1905).
- Padus australis* Small, Fl. Southeast. U. S. 574, 1331 (1903).
- P. sericea** (Batal.) Koehne in Sargent, Pl. Wilson. 1: 63 (1911).
- Prunus napaulensis* var. *sericea* Batalin in Act. Hort. Petrop. 14: 169 (1895).

**Prunus sericea** (continued)

- Padus napaulensis* var. *sericea* Schneider, Ill. Handb. Laubh. 1: 639 (1906).
- P. Wilsonii** (Schneid.) Koehne in Sargent, Pl. Wilson. 1: 63 (1911).  
*Padus Wilsonii* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 69 (1905); Ill. Handb. Laubh. 1: 637 (1906), exclud. ram. fruct.
- P. Wilsonii** var. *leiobotrys* Koehne, l. c. (1911).
- P. rufomicans** Koehne in op. cit. 65 (1911).
- P. Padus** Linnaeus, Sp. Pl. 473 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 160 (1906).  
*Padus avium* Miller, Gard. Dict. ed. 8, P. no. 1 (1768).  
*Prunus racemosa* Lamarck, Fl. Franç. 3: 107 (1778).  
*Padus racemosa* Gillibert, Pl. Rar. Comm. Lithuan. 74, no. 310 (in Linnaeus, Syst. Pl. Eur. 1) (1785); in Usteri, Delect. Op. Bot. 2: 409 (1793).—Schneider, Ill. Handb. Laubh. 1: 640, fig. 351a-h, 352a (1906).—Komarov, Fl. S. S. S. R. 10: 576 (1941).  
*Padus germanica* Borkhausen in Archiv für Bot. (Römer) 1,2: 38 (1797).  
*Padus vulgaris* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1426 (1803).  
*Cerasus Padus* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 580 (1805).  
*Drupearia padus* [Clairville], Man. Herb. Suisse, 159 (1811).  
*Cerasus Padus a. vulgaris* Seringe in De Candolle, Prodr. 2: 539 (1825).  
*Prunus Padus a. typica* Koehne, Deutsche Dendr. 304 (1893).  
*Padus racemosa* var. *typica* Schneider, Ill. Handb. Laubh. 1: 640 (1906).  
*Prunus Padus i. typica a. genuina* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 160 (1906).
- P. Padus f. aucubaefolia** [K. Koch] Zabel in Beissner et al., Handb. Laubh.-Ben. 245 (1903) "*aucubifolia*".  
*Prunus Padus β. aucubaefolia* K. Koch in Berlin. Allgem. Gartenzeit. 1857: 258 (1857).—Jäger, Ziergeh. 399 (1865) "var."—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 160 (1906) "monstr. *aucubifolia*".  
*Cerasus Padus 2. aucubaefolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 259 (1864).  
*Padus racemosa f. aucubaefolia* Schneider, Ill. Handb. Laubh. 1: 640 (1906).
- P. Padus f. plena** (Schneid.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 478 (1940).  
*Padus racemosa f. plena* Schneider, Ill. Handb. Laubh. 1: 640 (1906).  
*Prunus Padus* monstr. *plena* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 161 (1907).—Hort. ex Bailey, Stand. Cycl. Hort. 5: 2843 (1916) "var."  
*Prunus Padus flore pleno* Bean, Trees Shrubs Brit. Isl. 2: 246 (1914).
- P. Padus** var. *parviflora* (Ser.) K. Koch, Hort. Dendr. 146 (1853) "κ."—Beck in Reichenbach, Icon. Fl. Germ. 25,2: 15 [1913] "*a. typica f. p.*"  
*Cerasus Padus β. parviflora* Seringe in De Candolle, Prodr. 2: 539 (1925).
- P. Padus f. Watereri** (Bean), grad. nov.  
*Prunus Padus* var. *Watereri* Bean, Trees Shrubs Brit. Isl. 2: 246 (1914).
- P. Padus f. Spaethii** Rehder, Man. Cult. Trees Shrubs, ed. 2, 478 (1940).

*Prunus Padus* var. *Spaethii* Rehder, Man. Cult. Trees Shrubs, 475 (1927).

- P. Padus f. leucocarpos** (Reichenb.) Man. Cult. Trees Shrubs, ed. 2, 478 (1940).  
*Prunus Padus fructu albesciente* Braune, Salzburg. Fl. 2: 23 (1797).  
*Prunus Padus leucocarpos* Reichenbach, Fl. Germ. Excurs. 642 (1832).  
*Padus racemosa f. leucocarpa* Schneider, Ill. Handb. Laubh. 1: 640 (1906).
- P. Padus f. chlorocarpos** [Reichenb.] J. Holmboe in Nyt Mag. Naturvid. 74: 87 (1934) "*chlorocarpa*". cf.  
*Prunus Padus* var. Hoppe in Flora, 1: 477 (1818)  
*Prunus Padus chlorocarpos* Reichenbach, Fl. Germ. Excurs. 642 (1832).  
*Prunus Salzeri* Zdarek in Carinthia, 77(1887): 199 (1887); in Verh. Zool.-Bot. Ges. Wien, 42(1892): 17, t. 1 (1893).
- P. Padus f. pendula** [Hartw. & Rümpl.] Zabel in Beissner, et al., Handb. Laubh.-Ben. 245 (1903) "(f.)"  
*Cerasus Padus* var. *pendula* Hartwig & Rümpler, Bäume Sträuch. 149 (1875).  
*Prunus Padus* var. *pendula* Hartwig, Ill. Gehölzb. 290 (1892).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 160 (1906) "lus."  
*Padus racemosa f. pendula* Schneider, Ill. Handb. Laubh. 1: 640 (1906).
- P. Padus** var. *commutata* Dippel, Handb. Laubh. 3: 647 (1893).  
*Padus racemosa f. commutata* Schneider, Ill. Handb. Laubh. 1: 640 (1906).  
*Prunus Grayana* hort. ex Schneider, l. c. (1906), pro syn.; non Maximowicz (1883).  
*Prunus Regeliana* Zabel in Beissner et al., Handb. Laubh.-Ben. 244 (1903), nom. subnud.  
? *Prunus diversifolia* Koehne in Repert. Sp. Nov. Reg. Veg. 7: 198 (1909).  
*Prunus Fauriei* Lévillé in Repert. Sp. Nov. Reg. Veg. 7: 198 (1909).—Rehder in Jour. Arnold Arb. 13: 320 (1932), pro syn.  
*Prunus Padus* sensu Nakai, Fl. Sylv. Kor. 5: 18, t. 3 (1915), exclud. syn. plur.—Rehder in Jour. Arnold Arb. 5: 222 (1924), p. p.—Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, 2: 51, t. 55 (1927).—Non Linnaeus (1753).
- P. Padus** var. *laxa* Rehder in Jour. Arnold Arb. 2: 123 (1920).
- P. Padus** var. *pubescens* Regel & Tiling in Nouv. Mém. Soc. Nat. Moscou, 11: 79 (Fl. Ajan.) (1858) "β."—Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4,2: 52 (Tent. Fl. Ussur.) (1861) "β."—Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 108 (in Mém. Biol. 11: 706) (1883) "β."  
*Padus racemosa* var. *pubescens* Schneider, Ill. Handb. Laubh. 1: 640 (1906).  
*Padus asiatica* Komarov in Fl. S. S. S. R. 10: 578 (1941).
- P. Vanioti** Lévillé in Bull. Acad. Intern. Géog. Bot. 25: 45 (1915); Cat. Pl. Yun-Nan, 234 (1917).—Rehder in Jour. Arnold Arb. 26: 475 (1945).  
*Prunus pubigera* var. *Prattii* Koehne in Sargent, Pl. Wilson. 1: 68 (1911).  
? *Prunus pubigera* Koehne var. *longifolia* Cardot in Notul. Syst. Mus. Hist. Nat. Paris, 4,1: 24 (1920).

- P. Vanioti** var. **Potanini** (Koehne) Rehder in Jour. Arnold Arb. **26**: 476 (1945).  
*Padus brachypoda* (Batal.) Schneid. var. *pubigera* Schneider in Repert. Sp. Nov. Reg. Veg. **1**: 70 (1905); Ill. Handb. Laubh. **1**: 638 (1906).  
*Prunus pubigera* Koehne in Verh. Bot. Ver. Brandenb. **52**(1910): 106 (1911); in Sargent, Pl. Wilson. **1**: 67 (1911). — Rehder in Jour. Arnold Arb. **13**: 320 (1932); Man. Cult. Trees Shrubs, ed. 2, 478 (1940). — Non Steudel (1841).  
*Prunus pubigera* var. *Potanini* Koehne in Sargent, Pl. Wilson. **1**: 68 (1911); 196 (1912).
- P. Vanioti** var. **obovata** (Koehne) Rehder in Jour. Arnold Arb. **26**: 476 (1945).  
*Prunus pubigera* var. *obovata* Koehne in op. cit. 68 (1911); 196 (1912).
- P. cornuta** (Royle) Steudel, Nomencl. Bot. ed. 2, **2**: 403 (1841). — Sealy in Bot. Mag. **158**: t. 9423 (1935).  
*Cerasus cornuta* Wallich, Num. List, no. 716 [1829], nom. — Royle, Ill. Bot. Himal. 207 [1835], t. 38, fig. 2 [1834].  
*Padus cornuta* Carrière in Rev. Hort. **1869**: 275, fig. 64 (1869). — Schneider, Ill. Handb. Laubh. **1**: 638, fig. 351w-w<sup>2</sup>, 352n (1906).  
*Padus cornuta* var. *typica* Schneider, op. cit. 639 (1906).  
*Padus cornuta* var. *glabra* Fritsch ex Schneider, l. c. (1906).
- P. napaulensis** (Ser.) Steudel, Nomencl. Bot. ed. 2, **2**: 403 (1841).  
*Cerasus napaulensis* Seringe in De Candolle, Prodr. **2**: 540 (1825).  
*Padus napaulensis* Schneider in Repert. Sp. Nov. Reg. Veg. **1**: 68 (1905); Ill. Handb. Laubh. **1**: 639, fig. 351v-v<sup>2</sup>, 352k (1906).  
*Padus napaulensis* var. *typica* Schneider, l. c. (1906).
- P. virginiana** Linnaeus, Sp. Pl. 473 (1753), p. p. exclud. syn. — Willdenow, Berlin. Baumz. 238, t. 5, fig. 1 (1796). — Sargent, Silva N. Am. **4**: 41, t. 158 (1892).  
*Padus rubra* Miller, Gard. Dict. ed. 8, P. no. 2 (1768).  
*Prunus nana* Du Roi, Harbk. Baumz. **2**: 194, t. 4 (1772).  
*Prunus-Cerasus canadensis* Marshall, Arbust. Am. 113 (1785), non Weston (1770).  
*Prunus rubra* Aiton, Hort. Kew. **2**: 162 (1789).  
*Padus oblonga* Moench, Meth. Pl. 671 (1794).  
*Padus virginiana* Borkhausen in Archiv für Bot. (Römer) **12**: 38, (1797). — M. J. Römer, Fam. Nat. Veg. Reg. Syn. **3**: 87 (1847).  
*Padus nana* Borkhausen, l. c. (1797).  
*Prunus serotina* sensu Poiret, Encycl. Méth. Bot. **5**: 665 (1804), non Ehrhart (1788).  
*Cerasus virginiana* Loiseleur in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] **5**: 3 [1812], non Michaux (1803).  
*Prunus hirsutus* Elliott, Sketch Bot. S.-Carol. **1**: 541 (1821).  
*Prunus obovata* Bigelow, Florul. Boston. ed. 2, 192 (1824).  
*Cerasus obovata* L. C. Beck, Bot. N. & Midd. Stat. 97 (1833); ed. 2, 91 (1848), pro syn.  
*Cerasus serotina* sensu Hooker, Fl. Bor.-Am. **1**: 169 [1834], non Loiseleur [1812].  
*Cerasus micrantha* Spach, Hist. Nat. Vég. Phan. **1**: 414 (1834).  
*Cerasus densiflora* Spach, op. cit. 415 (1834).  
*Cerasus fimbriata* Spach, op. cit. 416 (1834).  
*Cerasus hirsutus* Spach, op. cit. 417 (1834).  
*Cerasus virginiana* β. Torrey & Gray, Fl. N. Am. **1**: 410 [1840].  
*Prunus virginalis* Wenderoth in Schrift. Ges. Beförd. Naturw. Marburg, **2**: 253 (1841).  
*Prunus micrantha* (Spach) Steudel, Nomencl. Bot. ed. 2, **2**: 403 (1841).  
*Padus fimbriata* Römer, Fam. Nat. Reg. Veg. Syn. **3**: 84 (1847).  
*Padus densiflora* Römer, l. c. (1847).  
*Padus micrantha* Römer, l. c. (1847).  
*Padus obovata* Römer, op. cit. 86 (1847).  
*Padus hirsuta* Römer, op. cit. 87 (1847).  
*Prunus virginiana* a. *rubra* Dippel, Handb. Laubh. **3**: 643 (1893).  
*Padus virginiana* f. *typica* Schneider, Ill. Handb. Laubh. **1**: 642 (1906).
- P. virginiana** f. **leucocarpa** (S. Wats.) Haynie in Rhodora, **31**: 99 (1929).  
*Prunus virginiana* var. *leucocarpa* S. Watson in Bot. Gaz. **13**: 233 (1888).  
*Padus virginiana* f. *leucocarpa* Schneider, Ill. Handb. Laubh. **1**: 642 (1906).  
*Prunus nana* var. *leucocarpa* [Nash] in Jour. New York Bot. Gard. **20**: 11 (1919), nom.
- P. virginiana** f. **Duerinckii** (Martens), grad. nov.  
*Cerasus Duerinckii* Martens in Select. Sem. Hort. Bot. Lovan. **1840**: [4] (1840); in Bull. Acad. Sci. Belg. **8**, **1**: 68 (1841).  
*Prunus Duerinckii* Walpers, Repert. Bot. Syst. **2**: 10 (1843).  
*Prunus virginiana* subsp. *Duerinckii* Zabel in Beissner, et al., Handb. Laubh.-Ben. 244 (1903), p. p.  
*?Prunus virginiana culta* Zabel, l. c. (1903).  
*Padus virginiana* f. *Duerinckii* Schneider, Ill. Handb. Laubh. **1**: 642 (1906).  
*Prunus Padus rotundifolia* Hort. ex Schneider, l. c. (1906), pro syn.  
*Prunus Padus* var. *latifolia* Hort. ex Ascherson & Graebner, Syn. Mitteleur. Fl. **6**, **2**: 162 (1907), p. p.; pro syn.
- P. virginiana** var. **melanocarpa** (A. Nels.) Sargent in Jour. Arnold Arb. **2**: 117 (1920).  
*Cerasus demissa* var. *melanocarpa* A. Nelson in Bot. Gaz. **34**: 25 (1902).  
*Prunus melanocarpa* Rydberg in Bull. Torrey Bot. Club, **33**: 143 (1906).  
*Prunus demissa* var. *melanocarpa* A. Nelson ex Koehne in Mitt. Deutsch. Dendr. Ges. **1911**(20): 231 (1911).
- P. virginiana** f. **xanthocarpa** Sargent in Jour. Arnold Arb. **2**: 117 (1920) "var. *melanocarpa* f. x." — Rehder in Man. Cult. Trees Shrubs, 476 (1927) "var."
- P. virginiana** var. **demissa** (Torr. & Gray) Torrey in Wilkes, U. S. Explor. Exp. **17**(Bot.): 284 (Phanerog. Pacif. Coast N. Am.) (1874).  
*Cerasus serotina* Hooker, Fl. Bor.-Am. **1**: 169 [1834], p. p.  
*Cerasus demissa* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 411 [1840].  
*Prunus demissa* D. Dietrich, Syn. Pl. **3**: 43 (1843). — Walpers, Repert. Bot. Syst. **2**: 10 (1843, Nov.; pref.). — Koehne in Mitt. Deutsch. Dendr. Ges. **1911**(20): 231 (1911).  
*Padus demissa* Römer, Fam. Nat. Reg. Veg. Syn. **3**: 87 (1847).  
*Padus virginiana* var. *demissa* Schneider, Ill. Handb. Laubh. **1**: 642 (1906).  
*Prunus demissa* var. *Nuttallii* Koehne in Mitt. Deutsch. Dendr. Ges. **1911**(20): 231 (1911).

**Prunus** (continued)

- P. virginiana** f. *pachyrrhachis* (Koehne) Sargent in Jour. Arnold Arb. 2: 116 (1920) "var. *demissa* f."  
*Prunus demissa* var. *Nuttallii* f. *pachyrrhachis* Koehne in Mitt. Deutsch. Dendr. Ges. 1911(20): 234, 236 (1911).  
*Padus valida* Wootton & Standley in Contrib. U. S. Nat. Herb. 16: 134 (1913).  
*Padus calophylla* Wootton & Standley, l. c. (1913).  
*Prunus valida* Rydberg, Fl. Rocky Mts. 451 (1917).
- P. Laucheana** (*P. Padus* × ? *virginiana*) Bolle ex Lauche, Deutsche Dendr. 652 (1880).  
*Prunus rotundifolia* Hort. ex Lauche, l. c. (1880), pro syn.  
*Padus vulgaris rotundifolia* C. de Vos, Handb. Boom. Heest. ed. 2, 129 (1887).  
*Prunus Padus* × *virginiana* Koehne, Deutsche Dendr. 304 (1893).  
*Prunus Padus* var. *rotundifolia* hort. ex Koehne, l. c. (1893), pro syn.  
*Prunus virginiana* subsp. *Duerinckii* Zabel in Beissner et al., Handb. Laubh.-Ben. 244 (1903), p. p.  
*Padus racemosa rotundifolia* hort. ex Zabel, l. c. (1903), pro syn.  
*Padus Laucheana* Schneider, Ill. Handb. Laubh. 1: 640 (1906).  
*Prunus Padus* var. *latifolia* hort. ex Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 162 (1907), pro syn.
- P. bicolor** Koehne in Sargent, Pl. Wilson. 1: 69 (1911).
- P. velutina** Batalin in Act. Hort. Petrop. 14: 186 (1895).  
*Padus velutina* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 69 (1905); Ill. Handb. Laubh. 1: 638, fig. 352p (1906).
- P. Ssiori** F. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12,2: 124 (Reise Amurl.) (1868).—Koehne in Sargent, Pl. Wilson. 1: 72 (1911).  
*Padus Ssiori* Schneider, Ill. Handb. Laubh. 1: 641, fig. 351i-l, 352g (1906).—Komarov, Fl. S. S. S. R. 10: 576 (1941).
- P. Grayana** Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 107 (in Mém. Biol. 11: 704) (1883).—Koehne in Sargent, Pl. Wilson. 1: 69 (1911).—Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, 2: 53, t. 56 (1928).  
*Prunus Padus* var. *japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 92 (Prol. Fl. Jap. 24. 1866) (1865).  
? *Padus acrophylla* Schneider in Repert. Sp. Nov. Reg. Veg. 1: 70 (1905).  
*Padus Grayana* Schneider, Ill. Handb. Laubh. 1: 640, fig. 351m-n<sup>2</sup>, 352b (1906).
- P. Maackii** Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 361 (1857).—Nakai, Fl. Sylv. Kor. 5: 17, t. 2 (1916).  
*Laurocerasus Maackii* Schneider, Ill. Handb. Laubh. 1: 645, fig. 352h-i (1906).  
*Padus Maackii* Komarov in Komarov & Klobukova-Ali-sova, Key Pl. Far East Reg. S. S. S. R. 2: 657 (1932); Fl. S. S. S. R. 10: 579, t. 37, fig. 2 (1941).
- P. Meyeri** (? *P. Maackii* × *Maximowiczii*) Rehder in Jour. Arnold Arb. 2: 122 (1920).
- P. Buergeriana** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 92 (Prol. Fl. Jap. 24. 1866) (1865).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 106 (1883) (in Mém. Biol. 11: 703) (1883).—Nakai, Fl. Sylv. Kor. 5: 15, t. 1 (1916) "*Buergeri*"; exclud. syn. Léveillé.

*Laurocerasus Buergeriana* Schneider, Ill. Handb. Laubh. 1: 646, fig. 354a-c, 355d (1906).

- P. venosa** Koehne in Sargent, Pl. Wilson. 1: 60 (1911).  
*Prunus undulata* Ham. f. *venosa* Koehne in Bot. Jahrb. 52: 285 (1915).

**P. stellipila** Koehne in Sargent, Pl. Wilson. 1: 61 (1911).

**P. perulata** Koehne, l. c. (1911).

Subgen. v. **LAUROCERASUS** [Seringe] Rehder, Man. Cult. Trees Shrubs, 478 (1927).

*Prunus-Lauro-Cerasus* Weston, Bot. Univ. 1: 225 (1770).

*Chimanthus Rafinesque*, Fl. Ludovic. 26 (1817), nom. subnud.

*Cerasus* sect. II. (*Laurocerasus*) §. II. *Lauro-cerasi* Seringe in De Candolle, Prodr. 2: 540 (1825).

*Prunus* c. *Cerasus* β. *Padus* b. *Laurocerasi* Endlicher, Gen. Pl. 1251 (1840).

*Laurocerasus* Römer, Fam. Nat. Reg. Veg. Syn. 3: 89 (1847).—Schneider, Ill. Handb. Laubh. 1: 645 (1906), exclud. sp. 1 et 2.—Komarov, Fl. S. S. S. R. 10: 579 (1941).

*Prunus* sect. *Laurocerasus* Benth. & Hooker f., Gen. Pl. 1: 610 (1865), p. p.—Koehne, Deutsche Dendr. 303 (1893) "subgen. *Padus* sect. *L.*"; *P. Maackii* exclud.

*Prunus* subgen. *Padus* sect. *Gymnopadus* subsect. *Lauro-cerasus* Koehne in Verh. Bot. Ver. Brandenb. 52: 107 (1910).

- P. lusitanica** Linnaeus, Sp. Pl. 473 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 164 (1907).

*Padus lusitanica* Miller, Gard. Dict. ed. 8, P. no. 5 (1768).

*Prunus-Lauro-Cerasus lusitanica* Weston, Bot. Univ. 1: 226 (1770).

*Padus eglandulosa* Moench, Meth. Pl. 672 (1794).

*Cerasus lusitanica* Loiseleur in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 5: 5 [1812].

*Laurocerasus lusitanica* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 92 (1847).—Schneider, Ill. Handb. Laubh. 1: 646, fig. 354d-e, 355a (1906).

- P. lusitanica** f. *variegata* (Schneid.), grad. nov.

*Prunus lusitanica* var. *fol. variegatis* Jäger, Ziergeh. 398 (1865).

*Prunus lusitanica* (f.) *variegata* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903), nom.—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 165 (1907) "monstr."—Bean, Trees Shrubs Brit. Isl. 2: 241 (1914) "var."

*Laurocerasus lusitanica* f. *variegata* et f. *marginata* Schneider, Ill. Handb. Laubh. 646 (1906).

*Prunus lusitanica* monstr. *marginata* Ascherson & Graebner, l. c. (1907).

- P. lusitanica** f. *angustifolia* Dippel, Handb. Laubh. 3: 649 (1893) "(f.)"—Graebner in Mitt. Deutsch. Dendr. Ges. 1907(16): 259, t. [1908].

- P. lusitanica** f. *myrtifolia* [Mouillef.] hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "(f.)".

*Prunus lusitanica* var. *myrtifolia* Mouillefert, Arb. Arbriss. 1: 455 (1892).—Pucci in Bull. Soc. Tosc.ortic. 22: 40, t. 2 (1897).

*Prunus lusitanica* var. *pyramidalis* hort. ex Zabel, l. c. (1903), pro syn.

- P. Laurocerasus** Linnaeus, Sp. Pl. 474 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 164 (1907).

*Padus Laurocerasus* Miller, Gard. Dict. ed. 8, P. no. 4 (1768).

- Prunus-Lauro-Cerasus Lauro-cerasus* Weston, Bot. Univ. 1: 225 (1770).
- Cerasus Laurocerasus* Loiseleur in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 5: 6 [1812].
- Laurocerasus officinalis* Roemer, Fam. Nat. Reg. Veg. Syn. 3: 91 (1847). — Komarov, Fl. S. S. R. 10: 580, t. 37, fig. 3 (1941).
- Laurocerasus vulgaris* Carrière in Rev. Hort. 1863: 90 (1863); 1877: 160 (1877).
- P. *Laurocerasus* f. *variegata*** [Bailey] Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903).
- Cerasus Laurocerasus* δ. *variegata* Hort. ex K. Koch, Hort. Dendr. 147 (1853), nom.
- Prunus Laurocerasus* var. *variegata* Bailey, Cycl. Am. Hort. [3]: 1455 (1901).
- P. *Laurocerasus* f. *caucasica*** [Kirchn.] Zabel, l. c. (1903) "f."
- Cerasus Laurocerasus* 3. *caucasica* Kirchner in Petzold & Kirchner, Arb. Muscav. 261 (1864).
- Prunus Lauro-Cerasus* var. *caucasica* Jäger, Ziergeh. 309 (1865). — Bean, Trees Shrubs Brit. Isl. 2: 240 (1914).
- Cerasus caucasica* Talou in Hort. Franc. 1865: 175 (1865).
- P. *Laurocerasus* f. *colchica*** [Jäg.] Zabel in Beissner, Handb. Laubh.-Ben. 246 (1903) "f."
- Cerasus Laurocerasus* γ. *colchica* Hort. ex K. Koch, Hort. Dendr. 147 (1853), nom.
- Prunus Laurocerasus* var. *colchica* Jäger, Ziergeh. 398 (1865), nom. — Anon. in Gard. Chron. ser. 3, 5: 621, fig. 106A (1889). — Bean, Trees Shrubs Brit. Isl. 2: 240 (1914).
- Cerasus Laurocerasus* var. *rotundifolia* sensu T. in Garden, 28: 405, fig. (1885), vix f. *rotundifolia* Zabel.
- P. *Laurocerasus* f. *serbica*** (Pančič) Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "(f.)".
- Prunus Laurocerasus* var. *serbica* Pančič, Kirshlorbeer Serb. 8 pp. (1877). — Bierbach in Gartenwelt, 2: 160 (1898).
- Laurocerasus serbica* Pančič ex Schneider, Ill. Handb. Laubh. 1: 647 (1906), pro syn.
- P. *Laurocerasus* f. *latifolia*** [Bailey] Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "f."
- Laurocerasus macrophyllus* Briot in Rev. Hort. 1869: 180 (1869).
- Lauro-Cerasus Bertini* Carrière in Rev. Hort. 1885: 18 (1885).
- Lauro-Cerasus macrophylla* hort. ex Carrière, l. c. (1885), pro syn.
- Prunus Laurocerasus* var. *latifolia* [Nicholson] in Kew Hand-list Trees Shrubs, 1: 145 (1894), nom. — Bailey, Cycl. Am. Hort. [3]: 1155 (1901).
- Prunus Laurocerasus* var. *Bertini* Bailey, l. c. (1901).
- Prunus Laurocerasus* (f.) *latifolia Bertinii* Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903).
- P. *Laurocerasus* f. *magnoliaefolia*** (Bean), grad. nov.
- Prunus Laurocerasus* var. *magnoliaefolia* Bean, Trees Shrubs Brit. Isl. 2: 240 (1914).
- P. *Laurocerasus* f. *camelliaefolia*** [Bailey] Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "(f.) *camelliaefolia*".
- Prunus Laurocerasus* var. *camelliaefolia* Bailey, Cycl. Am. Hort. [3]: 1455 (1901).
- P. *Laurocerasus* f. *rotundifolia*** [Verlot] Zabel, l. c. (1903).
- Laurocerasus vulgaris rotundifolia* Verlot in Rev. Hort. 1866: 280 (1866).
- Laurocerasus rotundifolia* Clemenceau in Rev. Hort. 1868: 360 (1868).
- Prunus laurocerasus rotundifolia* hort. ex Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 164 (1910?).
- Prunus laurocerasus caucasica rotundifolia* Anon. in Gard. Chron. ser. 3, 5: 620, fig. 105B (1889).
- P. *Laurocerasus* f. *Otini*** [Carr.] Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "(f.) *Otinii*".
- Laurocerasus Otini* Carrière in Rev. Hort. 1873: 240 (1873); 1877: 159 (1877) "*Ottini*".
- Prunus Laurocerasus* var. *Ottinii* Bean, Trees Shrubs Brit. Isl. 2: 240 (1914).
- P. *Laurocerasus* f. *angustifolia*** [Loud.] Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "(f.)".
- Cerasus Laurocerasus* var. *angustifolia* Loudon, Arb. Brit. 2: 716 (1838).
- Cerasus Laurocerasus* β. *capensis* Hort. ex K. Koch, Hort. Dendr. 147 (1853), nom.
- Laurocerasus vulgaris angustifolia* Carrière in Rev. Hort. 1863: 90, fig. 13 (1863).
- ?*Prunus Lauro-Cerasus* var. *longifolia* Jäger, Ziergeh. 309 (1865).
- Laurocerasus longifolia* Verlot in Rev. Hort. 1866: 280 (1866).
- Prunus Lauro-Cerasus* var. *salicifolia* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 270 (1884).
- Laurocerasus lanceolata* Carrière in Rev. Hort. 1885: 18 (1885).
- P. *Laurocerasus* f. *parvifolia*** (Alpha in Garden), grad. nov.
- ?*Cerasus Laurocerasus* var. *Pumilio* Lindley in Jour. Hort. Soc. Lond. 7: 281 (1852).
- Laurocerasus microphylla* Carrière in Rev. Hort. 1873: 240 (1873).
- Cerasus Lauro-Cerasus parvifolia* Alpha in Garden, 21: 134 (1882).
- Prunus Lauro-Cerasus* var. *microphylla* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 270 (1884). — Dippel, Handb. Laubh. 3: 649 (1893) "*P. Laurocerasus* (f.) *m.*".
- Prunus Laurocerasus* var. *angustifolia* sensu Anon. in Gard. Chron. ser. 3, 5: 620, fig. 106c (1889), non Loudon (1838).
- Prunus Laurocerasus* var. *parvifolia* Bean, Trees Shrubs Brit. Isl. 2: 241 (1914).
- P. *Laurocerasus* f. *compacta*** (Bean), grad. nov.
- ?*Cerasus Laurocerasus* var. *Pumilio* Lindley in Jour. Hort. Soc. Lond. 7: 281 (1852).
- Prunus Laurocerasus* var. *compacta* Bean, Trees Shrubs Brit. Isl. 2: 240 (1914).
- P. *Laurocerasus* f. *Fiesseriana*** Hegi, Ill. Fl. Mittel-Eur. 4, 2: 1062 [1923].
- Prunus lauricerasus Fiesserana* Schwerin in Mitt. Deutsch. Dendr. Ges. 1921(31): 322 (1921). — Friebe in Möller's Deutsch. Gärtn.-Zeit. 40: 52, fig. (1925) "*P. Laurocerasus Fiesseriana*". — Zavelberg in Gartenwelt, 37: 638, fig. (1933) "*P. L. Fiesseriana*".
- P. *Laurocerasus* f. *schipkaënsis*** (Späth) Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903) "(f.)" — Hegi, Ill. Fl. Mittel-Eur. 4, 2: 1062 [1923].
- Prunus Lauro-Cerasus* var. *Schipkaënsis* Späth (1889–90) ex Späth, Haupt-Preis-Verz. no. 79 (1890–1): 3 (1890). — Dippel, Handb. Laubh. 3: 649 (1893) "*P. Laurocerasus Schipkaënsis*".

**Prunus Laurocerasus f. schipkaensis** (continued)

*Prunus Lauro-Cerasus* var. *Schipkaensis* Mischeana Späth, op. cit. no. 104 (1899–1900): 112 (1899).

*Laurocerasus officinalis* var. *schipkaensis* (Späth) Schneider, Ill. Handb. Laubh. 1: 646 (1906); Register 59 (1912).

*Laurocerasus officinalis* var. *schipkaensis* f. *Mischeana* (Späth) Schneider, l. c. (1906).

*Laurocerasus schipkaensis* Morel in Rev. Hort. 1920: 80 (1920).

**P. Laurocerasus f. Zabeliana** (Späth), grad. nov.

*Prunus Lauro-Cerasus* var. *Schipkaensis Zabeliana* Späth (1898–99) ex Späth, Haupt-Preis-Verz. no. 104 (1899–1900): 112 (1899).—Anon. in Gartenwelt 5: 178, fig. (1901).

*Laurocerasus officinalis* var. *schipkaensis* f. *Zabeliana* (Späth) Schneider, Ill. Handb. Laubh. 1: 646, fig. 355b (1906).

*Prunus Laurocerasus* var. *Zabeliana* Bean, Trees Shrubs Brit. Isl. 2: 241 (1914).

FORMAE DUBIAE: *P. Laurocerasus* f. *Benardii*, f. *pyramidalis*, f. *versailensis* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 246 (1903), nom. nuda.

**P. caroliniana** (Mill.) Aiton, Hort. Kew. 2: 163 (1789).—Sargent, Silva N. Am. 4: 92, t. 160 (1892).

*Padus Caroliniana* Miller, Gard. Dict. ed. 8, no. 6 (1768).—Schneider, Ill. Handb. Laubh. 1: 650, fig. 354l-n, 355g (1906) "*P. c.*"

*Padus Carolina* Du Roi, Harbk. Baumz. 2: 198 (1772).

*Prunus-Lauro-Cerasus serratifolia* Marshall, Arbust. Am. 114 (1785).

*Prunus Lusitanica* sensu Walter, Fl. Carol. 146 (1787), non Linnaeus (1753).

*Prunus Lusitanica* β. *serratifolia* Castiglioni, Viagg. St. Uniti, 2: 340 (1790).

*Cerasus caroliniana* Michaux, Fl. Bor. Am. 1: 285 (1803).

*Prunus sempervirens* Willdenow, Enum. Pl. Hort. Berol. Suppl. 33 (1813), nom.

?*Bumelia serrata* Pursh, Fl. Am. Sept. 1: 155 (1814).

?*Achras serrata* Poirer, Encycl. Méth. Suppl. 5: 36 (1817).

*Chimanthus amygdalina* Rafinesque, Fl. Ludovic. 26 (1817).

*Laurocerasus caroliniana* Roemer, Fam. Nat. Syst. 3: 90 (1847).

**OSMARONIA** Greene in Pittonia, 2: 189 (1891).—Rydberg in N. Am. Fl. 22: 482 (1918).

*Nuttallia* Torrey & Gray ex Hooker & Arnott, Bot. Beechey Voy. Suppl. 336, t. 82 [1840].—Torrey & Gray, Fl. N. Am. 1: 412 [1840, June].—Bentham & Hooker f., Gen. Pl. 1: 611 (1865).—Non Rafinesque (1818), nec De Candolle (1821), nec Barton (1822).

**O. cerasiformis** (Torr. & Gray) Greene in Pittonia, 2: 191 (1891).—Rydberg in N. Am. Fl. 22: 482 (1918).

*Nuttallia cerasiformis* Torrey & Gray ex Hooker & Arnott, Bot. Beechey Voy. Suppl. 336, t. 82 [1838 or 1840?].—Torrey & Gray, Fl. N. Am. 1: 413 [1840, June].

?*Exochorda Davidiana* Baillon, Adansonia 9: 149 (1869).

*Osmaronia obtusa* Greene in Pittonia, 5: 310 (1905).

*Osmaronia bracteosa* Greene, l. c. (1905).

*Osmaronia demissa* Greene, l. c. (1905).

*Osmaronia laurina* Greene in op. cit. 311 (1905).

*Nuttallia Davidiana* (Baill.) A. B. Jackson in Index Kew. 2: 320 (1895).—Greene, Leaf. Bot. Obs. 1: 110 (1905), pro syn.

**PRINSEPIA** Royle, Ill. Pl. Himal. 206, t. 38, fig. 1 [1835].—Bentham & Hooker f., Gen. Pl. 1: 611 (1865).

*Plagiospermum* Oliver in Hooker's Icon. Pl. 16: t. 1526 (1886).

**P. sinensis** (Oliv.) Oliver ex Bean in Kew Bull. 1909: 354 (1909).—Rehder in Sargent, Pl. Wilson. 2: 345 (1915).—Nakai, Fl. Sylv. Kor. 5: 44, t. 27 (1916).—Komarov, Fl. S. S. S. R. 10: 583, t. 37, fig. 1 (1941).

*Plagiospermum sinense* Oliver in Hooker's Icon. Pl. 16: t. 1526 (1886).

*Prinsepia chinensis* Oliver ex Komarov in Komarov & Klobukova-Alisova, Key Pl. Far East Reg. U. S. S. R. 2: 658 (1932).

**P. uniflora** Batalin in Act. Hort. Petrop. 12: 167 (1892); in Gartenfl. 42: 331 (1892).—Rehder in Sargent, Pl. Wilson. 2: 345 (1915).**P. uniflora** var. *serrata* Rehder in Jour. Arnold Arb. 22: 575 (1941).**P. utilis** Royle, Ill. Bot. Himal. 206, t. 38, fig. 1 [1839].—Rehder in Sargent, Pl. Wilson. 2: 345 (1916).Fam. **LEGUMINOSAE**

LEGUMINOSAE P. F. Gmelin, Otia Bot. 57, 174 (1760).

—B. Jussieu, Ordin. Nat. in Hort. Trianon, 1759, lxxix in A. Jussieu, Gen. Pl. (1789); A. Jussieu, op. cit. 345 (1789).—Bentham & Hooker f., Gen. Pl. 1: 434–600 (1865).—Taubert in Nat. Pflanzenfam. III. 3: 70–388, fig. (18[91–]94).—NOM. CONSERV. ALTERN.; cf. Sprague, Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 64 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).  
*Papilionaceae* Horaninov, Prim. Lin. Syst. Nat. 87 (1834).  
*Leguminaceae* Loudon, Arb. Brit. 2: 561 (1838).

*Fabaceae* Lindley, Veg. Kingd. 544 (1846); ed. 3, 544 (1853).

Subfam. I. MIMOSOIDEAE Taubert in Nat. Pflanzenfam. III. 3: 99 (1891).

*Lomentaceae* Linnaeus, Philos. Bot. ed. 2, 38 (1763), p. p.; nom. subnud.

*Mimoseae* R. Brown in Flinders, Voy. Terra Austral. 2 (App.): 551 (1814).

*Leguminosae* trib. *Mimoseae* Lindley, Introd. Nat. Syst. Bot. 89 (1830).

*Papilionaceae* d. *Mimoseae* Horaninov, Prim. Lin. Syst. Nat. 87 (1834), nom. subnud.

*Mimosaceae* Reichenbach, Handb. Nat. Pflanzensyst. 227 (1837).

*Leguminiferae* Syme, Engl. Bot. ed. 3, 3: t.-p., p. 1 (1864), sphalm. "*Legumeniferae*" in p. 1.

**ALBIZZIA** Durazzini in Magazz. Toscan. 3,4(vol. 12): 14 (1772) "*Albizia*".—Bentham & Hooker f., Gen. Pl. 1: 596 [1865].

*Sericandra* Rafinesque, Sylva Tellur. 119 (1838), p. p. typ. Typus: *A. Julibrissin* Durazz.

**A. Julibrissin** Durazzini in Magazz. Toscan. 3,4(vol. 12): 11, t. (1772) "*Julibrissin Albizia*" (p. 11), "*Albizia I.*" (in tab.).—Bentham in Trans. Linn. Soc. Lond. 30: 568 (1875).—Rehder in Jour. Arnold Arb. 7: 151 (1926).

*Mimosa Linlirizin* Buc'hoz, Pl. Nouv. Decouv. 25, t. 23 (1779), sphalm.?

*Mimosa arborea* sensu Thunberg, Fl. Jap. 229 (1784).—Non Linnaeus (1753).

*Mimosa Julibrissin* Scopoli, Delic. Fl. Insub. 1: 18, t. 8 (1786).



- Acacia Linlibrissin* Buc'hoz, Nouv. Traité Phys. Econ. **3**: 1, t. 1 (1789).
- Mimosa speciosa* Thunberg in Trans. Linn. Soc. Lond. **2**: 336 (1794); non Jacquin (1784).
- Acacia Julibrissin* Willdenow, Sp. Pl. **4**: 2: 1065 [1806].
- Acacia Nemu* Willdenow, l. c. [1806].
- Mimosa nemu* Poirlet, Encycl. Méth. Bot. Suppl. **1**: 69 (1810).
- Sericandra Julibrissin* Rafinesque, Sylva Tellur. **119** (1838).
- Albizzia Nemu* Benth in Lond. Jour. Bot. **1**: 527 (1842).
- Feuilléea Julibrissin* Kuntze, Rev. Gen. Pl. **1**: 188 (1891).
- A. Julibrissin f. rosea** (Carr.), grad. nov.
- Albizzia rosea* Carrière in Rev. Hort. **1870**: 490, t. [1871].
- Acacia Nemu* sensu Van Houtte in Fl. des Serr. **21**: t. 2199 (1875), vix Willdenow [1806].
- Albizzia Julibrissin rosea* Mouillefert, Traité Arb. Arbriss. **1**: 686 [1894].—Rehder in Bailey, Stand. Cycl. Hort. **1**: 244 (1914) "var."
- A. Kalkora** (Roxb.) Prain in Jour. As. Soc. Bengal, **66**: 511 (1897); Novic. Ind. 345 (1905).—Rehder in Jour. Arnold Arb. **7**: 152 (1926).
- Mimosa Kalkora* Roxburgh, Hort. Bengal. **40** (1814), nom.; Fl. Ind. [ed. 2] **2**: 547 (1832).
- Acacia macrophylla* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 135 (Enum. Pl. Chin. Bor. 61. 1833) (1835).
- Albizzia Lebbeke* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 216 (1897), non Benth (1844).
- Acacia Lebbeke* sensu Bretschneider, Hist. Eur. Bot. Discov. China, 332 (1898), non Willdenow [1806].
- Subfam. II. CAESALPINIOIDEAE Taubert in Nat. Pflanzenfam. III. **3**: 125 [1892].
- Lomentaceae** Linnaeus, Philos. Bot. ed. 2, 38 (1763), p. p.; nom. subnud.
- Leguminosae** ord. **Lomentaceae** vel **Caesalpineae** R. Brown in Flinders, Voy. Terra Austral. **2**(App. 3): 551 (1814), nom. altern.
- Leguminosae** trib. **Cassieae** Bronn, Form. Pl. Legum. **130** (1822).
- Leguminosae** trib. **Ceraceae** Bronn, op. cit. **131** [1822].
- Cassieae** Reichenbach, Consp. Reg. Veg. **153** (1828), nom. subnud.
- Cassiaceae** Link, Handb. Erkenn. Gew. **2**: 135 (1831).
- Papilionaceae** b. **Cassieae** Horaninov, Prim. Lin. Syst. Nat. **87** (1834), nom. subnud.
- Leguminosae** subord. **Caesalpinieae** Benth in Hooker Jour. Bot. **2**: 73 (1840).—Gray, Introd. Struct. Syst. Bot. ed. 5, 413 (1858) "**Caesalpineae**".—Presl, Wseob. Rostlin. **1**: 439 (1846) "**L.** subfam. **C.**"
- Caesalpinieae** Klotzsch & Garcke, Bot. Ergeb. Reise Prinz Waldemar, 157 (1862).
- CERCIS** Linnaeus, Sp. Pl. **374** (1753); Gen. Pl. ed. 5, 176, no. 458 (1754).—Benth & Hooker f., Gen. Pl. **1**: 576 (1865).—Chapman, Fl. S. U. S. **114** (1860), err. "**Cercis**", corr. in ind. p. 606.
- Siliquastrum* Adanson, Fam. Pl. **2**: 317 (1763).
- Typus: *C. Siliquastrum* L.
- C. Siliquastrum** Linnaeus, Sp. Pl. **374** (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**: 2: 178 (1907).
- Siliquastrum orbiculatum* Moench, Meth. Pl. **54** (1794).
- Cercis florida* Salisbury, Prodr. Stirp. Chap. Allert. **327** (1796).
- C. Siliquastrum f. alba** (West.), grad. nov.
- Cercis siliquastrum* 2. *album* Weston, Bot. Univ. **1**: 47 (1770).—Carrière in Rev. Hort. **1862**: 254 (1862) "*album*".—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**: 2: 178 (1907) "*lus. alba*".
- Cercis Siliquastrum f. albido* Loudon, Arb. Brit. **2**: 658 (1838).
- Cercis siliquastrum f. albida* Schneider, Ill. Handb. Laubh. **2**: 6 (1907).
- C. reniformis** Engelm ex S. Watson in Proc. Am. Acad. Arts Sci. **17**: 348 (1882).—Coulter, Contrib. U. S. Nat. Herb. **2**: 91 (Bot. W. Tex.) (1891).
- Cercis occidentalis* var. Gray in Jour. Boston Soc. Nat. Hist. **6**: 177 (Pl. Lindheim. **2**) (1850).
- Cercis reniformis* Engelm ex Brewer & Watson, Bot. Calif. **1**: 76 (1876), pro syn.
- Cercis occidentalis* var. *texasensis* S. Watson, Bibl. Index N. Amer. Bot. **1**: 209 (1878).
- Cercis Texensis* Sargent in Gard. & For. **4**: 448 (1891); Silva N. Am. **3**: 97, t. 135 (1892).
- Cercis nitida* Greene in Repert. Sp. Nov. Reg. Veg. **11**: 110 (1912).
- Cercis canadensis* var. *texasensis* (S. Wats.) Hopkins in Rhodora, **44**: 203 (1942).
- C. occidentalis** Torrey ex Gray in Jour. Boston Soc. Nat. Hist. **6**: 177 (Pl. Lindheim. **2**) (1850), exclud. var.—Torrey in Wilkes, U. S. Expl. Exped. **17**(Bot.): 283, t. 3 (Phanerog. Pacif. Coast N. Am.) (1874).—Hopkins in Rhodora, **44**: 193 (1942).
- Cercis Siliquastrum* var. Benth, Pl. Hartweg. **307**, 361 [1848, 1857].
- Cercis californica* Torrey ex Benth, Pl. Hartweg. **361** [1857].
- Cercis nephrophylla* Greene in Repert. Sp. Nov. Reg. Veg. **11**: 111 (1912).
- Cercis orbiculata* Greene, l. c. (1912).
- Cercis latissima* Greene, l. c. (1912).
- C. canadensis** Linnaeus, Sp. Pl. **374** (1753).—Sargent, Silva N. Am. **3**: 95, t. 133, 134 (1892).
- Siliquastrum cordatum* Moench, Meth. Pl. **54** (1794).
- Cercis canadensis* var. *pubescens* Pursh, Fl. Am. Sept. **1**: 308 (1814).
- Cercis dilatata* Greene in Repert. Sp. Nov. Reg. Veg. **11**: 110 (1912).
- Cercis canadensis* var. *typica* Hopkins in Rhodora, **44**: 200 (1942).
- C. canadensis f. glabrifolia** Fernald in Rhodora, **38**: 234 (1936).
- Cercis Georgiana* Greene in Repert. Sp. Nov. Reg. Veg. **11**: 110 (1912).
- Cercis ellipsoidea* Greene, l. c. (1912).
- C. canadensis f. alba** Rehder in Mitt. Deutsch. Dendr. Ges. **1907**(16): 72 [1908].—Bean, Trees Shrubs Brit. Isl. **1**: 334 (1914) "var."
- C. canadensis f. plena** [Sudworth] Schneider, Ill. Handb. Laubh. **1**: 5 (1907).—Rehder in Bailey, Stand. Cycl. Hort. **2**: 720 (1914) "var."
- Cercis canadensis plena* Sudworth in U. S. Dept. Agr. For. Serv. Bull. **14**: 253 (Nomencl. Arb. Fl. U. S.) (1897).
- C. chinensis** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 95 (Enum. Pl. Chin. Bor. **21**. 1833) (1835).—Small in Addisonia, **6**: 33, t. 209 (1921).—Li in Bull. Torrey Bot. Club, **71**: 423 (1944).
- Cercis japonica* Siebold ex Planchon in Fl. des Serr. **8**: 269, t. 849 (1853).
- Cercis canadensis* var. *chinensis* Ito in Bot. Mag. Tokyo, **14**: 149 (1900).
- Cercis glabra* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **17**: 393, fig. 9 (1910).

**Cercis** (continued)

- C. racemosa** Oliver in Hooker's Icon. Pl. 19: t. 1894 (1889).  
— Stapf in Bot. Mag. 156: t. 9316 (1933). — Li in Bull. Torrey Bot. Club, 71: 421 (1944).

**GLEDITSIA** Linnaeus, Sp. Pl. 1056 (1753); Gen. Pl. ed. 5, 476, no. 1025 (1754). — Scopoli, Introd. Hist. Nat. 295 (1777) "*Gleditsia*." — Bentham & Hooker f., Gen. Pl. 1: 568 (1865) "*Gleditsia*".

*Asacara* Rafinesque, Neogenyt. 2 (1825); Sylva Tellur. 121 (1838). — Rydberg in N. Am. Fl. 23: 303 (1930).

*Melilobus* Mitchell ex Rafinesque, Sylva Tellur. 121 (1838).

*Caesalpinoides* Kuntze, Rev. Gen. Pl. 1: 166 (1891).

TYPE: *G. triacanthos* L.

**G. triacanthos** Linnaeus, Sp. Pl. 1056 (1753), exclud. var.  $\beta$ . — Miller, Gard. Dict., ed. 8, G. no. 1 (1768) "*triacanthus*". — Sargent, Silva N. Am. 3: 75, t. 125, 126 (1892). — Rydberg in N. Am. Fl. 23: 302 (1930).

*Gleditsia spinosa* Marshall, Arbust. Am. 54 (1785).

*Gleditsia Meliloba* Walter, Fl. Carol. 254 (1788).

*Gleditsia triacanthos a. polysperma* Aiton, Hort. Kew. 3: 444 (1789).

?*Gleditsia triacanthos*  $\gamma$ . *horrida* Aiton, l. c. (1789).

*Gleditsia elegans* Salisbury, Prodr. Stirp. Chap. Allert. 323 (1797).

?*Gleditsia horrida* Salisbury, l. c. (1797).

*Gleditsia polysperma* Stokes, Bot. Mat. Med. 1: 228 (1812).

*Gleditsia heterophylla* Rafinesque, Fl. Ludovic. 99 (1817).

*Melilobus heterophylla* Rafinesque, Sylva Tellur. 121 (1838).

*Caesalpinoides triacanthum* Kuntze, Rev. Gen. Pl. 1: 167 (1891).

*Gleditschia triacanthos c. ferox* (Hort.) Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 184 (1907), non *G. ferox* Desfontaines (1809).

**G. triacanthos f. inermis** (L.). Zabel in Beissner et al., Handb. Laubh.-Ben. 255 (1903) "(f.)." — Schneider, Ill. Handb. Laubh. 2: 12 (1907). — Fassett in Rhodora, 38: 97 (1936).

*Gleditsia inermis* Linnaeus, Syst. Nat. ed. 10, 1313 (1759); Sp. Pl. ed. 2, 2: 1509 (1763); exclud. syn. Plukenet.

*Gleditsia triacanthos*  $\gamma$ . *inermis* (Castiglioni, Viagg. Stat. Unit., 2: 249 (1790). — Willdenow, Berlin. Baumz. ed. 2, 163 (1811) " $\beta$ ." — Pursh, Fl. Am. Sept. 1: 221 (1814) "*Gleditsia*".

*Gleditsia triacanthos*  $\beta$ . *laevis* K. Koch, Hort. Dendr. 226 (1853).

**G. triacanthos f. elegantissima** (Grosdem.), grad. nov.

*Gleditschia inermis elegantissima* Grosdemange in Rev. Hort. n. sér. 5: 512, fig. 199 (1905).

**G. triacanthos f. pendula** (Talou), grad. nov.

*Gleditschia Bujotii* Neumann in Rev. Hort. sér. 2, 4: 205 (1845).

*Gleditschia mimosaeifolia* var. *pendula* Talou in Hort. Franc. 1859: 156 (1859).

?*Gleditschia excelsa pendula* C. de Vos, Handb. Boom. Heest. ed. 2, 81 (1887).

*Gleditschia triacanthos* var. *Bujotii* Rehder in Bailey, Cycl. Am. Hort. [2]: 650 (1900); Man. Cult. Trees Shrubs, ed. 2, 486 (1941) "*Gleditsia*".

*Gleditschia Bujotii pendula* Hort. ex Rehder, l. c. (1900), pro syn.

*Gleditschia triacanthos* lus. *pendula* Hort. ex Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 184 (1907).

**G. triacanthos f. nana** (Loud.), grad. nov.

*Gleditschia sinensis* var. *nana* Loudon, Arb. Brit. 2: 645 (1838). — Dippel, Handb. Laubh. 3: 658 (1893) "*a. nana*." — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 185 (1907) "*B. nana*".

?*Gleditschia micracantha* C. de Vos, Handb. Boom. Heest. ed. 2, 81 (1887).

*Gleditschia ferox* var. *nana* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 650 (1900).

*Gleditschia triacanthos* var. *nana* Hort. Kew. ex Henry in Henry & Elwes, Trees Gt. Brit. Irel. 6: 1518 (1912).

**G. texana** [*G. aquatica*  $\times$  *triacanthos*] Sargent in Bot. Gaz. 31: 1 (1901); Silva, N. Am. 13: 13, t. 627 (1902).

*Gleditschia triacanthos*  $\times$  *inermis* Schneek in Pl. World, 7: 252 (1904).

**G. japonica** Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 54 (Prol. Fl. Jap. 242) (1867) "*Gleditschia*". — Sargent in Gard. & For. 6: 163, fig. 27 (1893).

*Fagara horrida* Thunberg in Trans. Linn. Soc. Lond. 2: 329 (1794).

?*Gleditschia sinensis* var. *purpurea* Loudon, Arb. Brit. 2: 654 (1838).

?*Gymnocladus Williamsii* Hance in Jour. Bot. 22: 336 (1884).

*Caesalpinoides japonicum* Kuntze, Rev. Gen. Pl. 1: 167 (1891).

*Gleditschia horrida* Makino in Bot. Mag. Tokyo, 17: 12 (1903). — Schneider, Ill. Handb. Laubh. 2: 11, fig. 6i-k, 7e-e<sup>3</sup> (1907). — Rehder in Jour. Arnold Arb. 7: 153 (1926). — Non Salisbury (1797), nec Willdenow [1806].

*Gleditschia japonica* var. *purpurea* Rehder in Bailey, Cycl. Am. Hort. [2] 650 (1900).

**G. ferox** Desfontaines, Hist. Arb. Arbriss. 2: 247 (1809). — Spach, Hist. Nat. Vég. Phan. 1: 94 (1834) "*Gleditschia*". — Schneider, Ill. Handb. Laubh. 1: 10, fig. 6d-f (1907).

**G. caspica** Desfontaines, Hist. Arb. Arbriss. 2: 247 (1809). *Gleditschia orientalis* Bosc ex De Candolle, Prodr. 2: 479 (1825), pro syn.

*Gladietia Darwinii* C. de Vos, Handb. Boom. Heest. ed. 2, 80 (1887).

*Caesalpinoides caspium* Kuntze, Rev. Gen. Pl. 1: 187 (1891).

*Gleditschia horrida* var. *caspica* Schneider, Ill. Handb. Laubh. 2: 12, fig. 6l-o, 7d (1907).

*Trianodendrum caspicum* Hort. ex Schneider, l. c. (1907), pro syn.

**G. Delavayi** Franchet, Pl. Delavay. 189 [1890] "*Gleditschia*".

**G. macracantha** Desfontaines, Hist. Arb. Arbriss. 2: 146 (1809). — Craib in Sargent, Pl. Wilson. 2: 90 (1914).

*Gleditschia Fontanesii* Spach, Hist. Nat. Vég. Phan. 1: 95 (1834).

*Caesalpinoides macracanthum* Kuntze, Rev. Gen. Pl. 1: 169 (1891).

**G. sinensis** Lamarck, Encycl. Méth. Bot. 2: 465 [1788]. — Schneider, Ill. Handb. Laubh. 2: 9, fig. 6b-c, 7c-c<sup>2</sup> (1907). — Rehder in Jour. Arnold Arb. 7: 154 (1926).

?*Gleditsia horrida purpurea* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 14[1782 ?], nom. "*purpur.*" — C. F. Ludwig, Neu. Wilde Baumz. 21 (1783), nom. subnud.

*Gleditsia chinensis* Loddiges ex C. F. Ludwig, l. c. (1783), pro syn.

- Gleditschia horrida* Willdenow, Sp. Pl. 4:2: 1098 [1806], non Salisbury (1797).
- Gleditschia xylocarpa* Hance in Jour. Bot. 22: 366 (1884). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 39 (in Mém. Biol. 12: 453) (1886).
- Caesalpinioides sinense* Kuntze, Rev. Gen. Pl. 1: 167 (1891).
- G. heterophylla** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 95 (Enum. Pl. Chin. Bor. 21. 1833) (1835) "*Gleditschia*". — Rehder in Jour. Arnold Arb. 7: 154 (1926). — Chow, Famil. Trees Hopei, 243, fig. 94 (1934).
- Caesalpinioides heterophyllum* Kuntze, Rev. Gen. Pl. 1: 167 (1891).
- G. aquatica** Marshall, Arbust. Am. 54 (1785). — Sargent, Silva N. Am. 3: 79, t. 127, 128 (1892).
- Gleditsia triacanthos* β. Linnaeus, Sp. Pl. 1057 (1753).
- Gleditsia inermis* Miller, Gard. Dict. ed. 8, G. no. 2 (1768). — Schneider, Ill. Handb. Laubh. 2: 13, fig. 7f, 8w-y (1907). — Non Linnaeus (1759).
- Gleditsia caroliniensis* Lamarck, Encycl. Méth. Bot. 2: 461 [1788].
- Gleditsia monosperma* Walter, Fl. Carol. 254 (1788).
- Gleditsia triacanthos* β. *monosperma* Aiton, Hort. Kew. 3: 444 (1789).
- Gleditsia triacanthos* β. *aquatica* Castiglioni, Viagg. Stat. Uniti, 2: 249 (1790).
- Gleditschia triacantha* sensu Gaertner, Fruct. Sem. Pl. 2: 311, t. 146, fig. 3 (1791), non Linnaeus (1753).
- Asacara aquatica* Rafinesque, Sylva Tellur. 121 (1838). — Rydberg in N. Am. Fl. 23: 303 (1930).
- Caesalpinioides monospermum* Kuntze, Rev. Gen. Pl. 1: 167 (1891).
- GYMNOCLADUS** Lamarck, Encycl. Méth. Bot. 1: 773 [1785]. — Bentham & Hooker f., Gen. Pl. 1: 568 (1865).
- Guilandina* Linnaeus, Sp. Pl. 381 (1753); Gen. Pl. ed. 5, 179, no. 464 (1754), p. p.
- Hyperanthera* Vahl, Symb. Bot. 1: 30 (1790), p. p.
- TYPE: *G. canadensis* Lam. = *G. dioica* (L.) K. Koch.
- G. dioica** (L.) K. Koch, Dendr. 1: 5 (1869) "*dioica*". — Sargent, Silva N. Am. 3: 69, t. 123, 124 (1892).
- Guilandina dioica* Linnaeus, Sp. Pl. 381 (1753).
- Gymnocladus canadensis* Lamarck, Encycl. Méth. Bot. 1: 773 [1785]. — Torrey & Gray, Fl. N. Am. 1: 398 [1840].
- Hyperanthera dioica* Vahl, Symb. Bot. 1: 31 (1790).
- G. chinensis** Baillon in Compt. Rend. Assoc. Franç. Avanc. Sci. 3(1874): 418, t. 4 (1875). — Oliver in Hooker's Icon. Pl. 15: 9, t. 1412 (1883). — Chun, Chin. Econ. Trees, 180, fig. 67 (1922).
- CAESALPINIA** Linnaeus, Sp. Pl. 380 (1753); Gen. Pl. ed. 5, 178, no. 463 (1754). — Bentham & Hooker f., Gen. Pl. 1: 565 (1865).
- LECTOTYPUS: *C. brasiliensis* L.
- C. japonica** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4:2: 117 (Fl. Jap. Fam. Nat. 1: 9) (1845). — Schneider, Ill. Handb. Laubh. 2: 15, fig. 13a-c, 14f (1907).
- Caesalpinia crista* sensu Thunberg, Fl. Jap. 179 (1794), non Linnaeus (1753).
- Caesalpinia sepiaria* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 36 (in Mém. Biol. 12: 449) (1886); non Roxburgh (1824) [= *C. decapetala* (Roth) Merrill].
- Subfam. III. LOTOIDEAE (Luerssen) Rehder in Jour. Arnold Arb. 26: 477 (1945).
- Papilionaceae* Scopoli, Fl. Carniol. 522 (1760, pref. June). — Linnaeus, Philos. Bot. 37 (1763), nom. subnud. — Giseke, Praelect. Ord. Nat. Pl. 415 (1792). — Link, Handb. Erkenn. Gew. 2: 143 (1831).
- Leguminosae* ord. *Papilionaceae* R. Brown in Flinders, Voy. Terra Austral. 2(App.): 552 (1814). — De Candolle, Prodr. 2: 94 (1825) "subord. P.". — Lindley, Introd. Nat. Syst. Bot. 89 (1830) "trib. P.". — Bentham & Hooker f., Gen. Pl. 1: 437 (1867) "subord. P.". *Papilionatae* A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 67 (1864).
- Papilionaceae* subfam. *Lotoideae* Luerssen, Grundzüge Bot. 379 (1877); ed. 3, 440 (1881).
- Phaseolaceae* Drude in A. Schenk, Handb. Bot. 3:2: 384 (1887).
- Leguminosae* subfam. *Papilionatae* Taubert in Nat. Pflanzenfam. III. 3: 184 [1892].
- Leguminosae* subfam. *Papilionoideae* Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 500 (1908).
- Trib. 1. SOPHOREAE Bronn, Form. Pl. Legum. 131 (1822). — De Candolle, Prodr. 2: 94 (1825) "subord. *Papilionaceae* trib. S.". — Taubert in Nat. Pflanzenfam. III. 3: 184 [1892].
- Papilionaceae* sect. *Sophoraceae* Link, Handb. Erkenn. Gew. 2: 143 (1831).
- Papilionaceae* 2. *Genisteae* c. *Sophoreae* Reichenbach, Handb. Nat. Pflanzensyst. 226 (1837).
- MAACKIA** Ruprecht & Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 143 (1856). — Takeda in Notes Bot. Gard. Edinb. 8: 99 (1913).
- Buergeria* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 53 (Prol. Fl. Jap. 241) (1867) non Sieb. & Zucc. (1843).
- TYPE: *M. amurensis* Rupr. & Maxim.
- M. amurensis** Ruprecht & Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 128, 143, t. (1856). — Schneider, Ill. Handb. Laubh. 2: 15, fig. 11l-s (1907). — Takeda, Notes Bot. Gard. Edinb. 8: 100, t. 26, fig. 16-27 (1913).
- Cladrastis amurensis* K. Koch, Dendr. 1: 7 (1869).
- Maackia amurensis* var. *typica* Schneider, Ill. Handb. Laubh. 2: 16 (1907).
- ?*Maackia amurensis* var. *stenocarpa* Nakai in Jour. Jap. Bot. 15: 681 (1939).
- M. amurensis** var. *Buergeri* (Maxim.) Schneider, Ill. Handb. 2: 16 (1907). — Takeda in Notes Bot. Gard. Edinb. 8: 100, t. 27, fig. 28-38 (1913) "β."
- Cladrastis amurensis* var. *Buergeri* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 400 (in Mém. Biol. 9: 73) (1873), exclud. syn. Thunberg.
- Cladrastis amurensis* var. *floribunda* Maximowicz ex Franchet & Savatier, Enum. Pl. Jap. 1: 113 [1873]. — Shirasawa, Icon. Ess. For. Jap. 1: 85, t. 50, fig. 1-12 [1899] "*C. amurensis*" in textu; non *Buergeria floribunda* Miq.
- Cladrastis amurensis* β. *Vidalii* Franchet & Savatier, Enum. Pl. Jap. 2: 327 [1878].
- Maackia Buergeri* Tatewaki in Trans. Sapporo Nat. Hist. Soc. 16: 4 (1939).
- M. chinensis** Takeda in Notes Bot. Gard. Edinb. 8: 103 (1913).
- Maackia hupehensis* Takeda in Sargent, Pl. Wilson. 2: 98 (1914).
- Maackia floribunda* var. *pubescens* Koidzumi in Bot. Mag. Tokyo, 38: 98 (1924).

**Maackia chinensis** (continued)

- Maackia floribunda* var. *chinensis* Hatusima in Jour. Jap. Bot. **12**: 875 (1936).
- M. Fauriei** (Lévl.) Takeda in Notes Bot. Gard. Edinb. **8**: 101, t. 27, fig. 39-43 (1913).  
*Cladrastis Fauriei* Léveillé in Repert. Sp. Nov. Reg. Veg. **7**: 230 (1909).  
*Maackia floribunda* sensu Hatusima in Jour. Jap. Bot. **12**: 875 (1936), p. p., vix (Miq.) Takeda (1913).
- M. Tashiroi** (Yatabe) Makino in Bot. Mag. Tokyo, **16**: 34 (1902).—Takeda in Notes Bot. Gard. Edinb. **8**: 102, t. 37, fig. 51-56 (1913).  
*Cladrastis Tashiroi* Yatabe in Bot. Mag. Tokyo, **6**: 345, t. 10 (1892).  
*Maackia floribunda* sensu Hatusima in Jour. Jap. Bot. **12**: 875 (1936), p. p., vix (Miq.) Takeda (1913).
- CLADRASTIS** Rafinesque in Cincinnati Lit. Gaz. **1**: 60 (Neophyt. 1.) (1824, Feb.); Neogenyt. 1 (1825).—Bentham & Hooker f., Gen. Pl. **1**: 554 (1865), exclud. syn. *Maackia*.  
*Sophora* subgen. *Platysprion* Maximowicz in Bull. Acad. Sci. St. Pétersb. **18**: 398 (in Mém. Biol. **9**: 70) (1873).  
*Platysprion* (Maxim.) Maximowicz in Bull. Acad. Sci. St. Pétersb. **22**: 262 (in Mém. Biol. **9**: 657, 1877) (1876).  
TYPUS: *C. fragrans* Raf. = *C. lutea* (Michx.) K. Koch.
- C. lutea** (Michx.) K. Koch, Dendr. **1**: 6 (1869).—Sargent, Silva N. Am. **3**: 57, t. 119, 120 (1892).  
*Sophora kentukea* Dumont de Courset, Bot. Cult., ed. 2, **6**: 56 (1811), descr. incompl.—Sargent, Silva N. Am. **14**: 100 (1902) "*S. Kentukea*"; pro syn.  
*Virgilia lutea* Michaux f., Hist. Arb. For. Am. Sept. **3**: 266 (1813).  
*Cladrastis fragrans* Rafinesque in Cincinnati Lit. Gaz. **1**: 60 (Neophyt. 1.) (1824, Feb.); Neogenyt. 1 (1825).  
*Virgilia alba* Rafinesque in Kentucky Gaz. (1822) ex Rafinesque, l. c. (1824).  
*Virgilia kentukensis* Dumont de Courset ex Rafinesque, Neogenyt. 1 (1825), pro syn.  
*Cladrastis tinctoria* Rafinesque, Med. Fl. **2**: 210 (1830); New Fl. N. Am. **3**: 83 [1838] "(or *albiflora*)".
- C. sinensis** Hemsley in Jour. Linn. Soc. Lond. Bot. **29**: 304 (1892).—Takeda in Notes Bot. Gard. Edinb. **8**: 98, t. 26, fig. 1-6 (1913).
- C. Wilsonii** Takeda in op. cit. 103 (1913); in Sargent, Pl. Wilson. **2**: 97 (1914).—Rehder in Jour. Arnold Arb. **7**: 159 (1926).
- C. platycarpa** (Maxim.) Makino in Bot. Mag. Tokyo, **15**: 62 (1901).—Chun in Sunyatsenia, **2**: 66, t. 17 (1934).  
*Sophora platycarpa* Maximowicz in Bull. Acad. Sci. St. Pétersb. **18**: 398 (in Mém. Biol. **9**: 71) (1873).  
*Platysprion platycarpum* Maximowicz in Bull. Acad. Sci. St. Pétersb. **22**: 262 (in Mém. Biol. **9**: 659, 1877) (1876).
- SOPHORA** Linnaeus, Sp. Pl. 373 (1753); Gen. Pl. ed. 5, 175, no. 456 (1754).—Bentham & Hooker f., Gen. Pl. **1**: 555 (1865).  
*Broussonetia* Ortega, Nov. Rar. Pl. Dec. **5**: 61, t. 5 (1798), non Ventenat (1799), nom. conserv.  
*Edwardsia* Salisbury in Trans. Linn. Soc. Lond. **9**: 298, t. 26 (1808).  
*Patrinia* Rafinesque in Jour. de Phys. Chim. Hist. Nat. **89**: 97 (1819), non Jussieu (1807).

- Vexibia* Rafinesque, Neogenyt. 3 (1825); in Atlantic Jour. (Rafinesque) **1832**: 144 (1832).  
*Radiosa* Reichenbach, Consp. Reg. Veg. 148 (1828).  
*Styphnolobium* H. W. Schott in Wien. Zeitschr. Kunst Litt. **3**: 844 (1830), ex Endlicher in Linnaea, **6** (Litt.-Ber.): 54 (1831).  
*Pseudosphora* Sweet, Hort. Brit. ed. 2, 122 (1830), sine descript.  
*Zanthyrus* Rafinesque, New Fl. N. Am. **3**: 84 [1838].  
*Agastianis* Rafinesque, op. cit. 85 [1838].  
*Dermatophyllum* Scheele in Linnaea, **21**: 458 (1848).  
*Goebelia* Bunge ex Boissier, Fl. Or. **2**: 628 (1872).  
*Keyserlingia* Bunge ex Boissier, op. cit. 629 (1872).  
*Vibexia* Rafin. ex B. D. Jackson in Index Kew. **2**: 1193 (1895), sphalm.  
LECTOTYPUS: *S. tomentosa* L.
- S. japonica** Linnaeus, Mant. Pl. 68 (1767).—Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 202 (1887).—Schneider, Ill. Handb. Laubh. **2**: 19, fig. 10a-k, 12b-d (1907).—Rehder in Jour. Arnold Arb. **13**: 322 (1932).  
*Sophora Ludovicea* XVI Buc'hoz, Pl. Nouv. Decouv. **23**, t. 21 (1779).  
*Styphnolobium japonicum* H. W. Schott in Wien. Zeitschr. Kunst Litt. **3**: 844 (1830), ex Endlicher in Linnaea, **6** (Litt.-Ber.): 55 (1831).  
*Sophora japonica* var. *typica* Schneider, Ill. Handb. Laubh. **2**: 20 (1907).  
*Ormosia Esquirolii* Léveillé, Fl. Kouy-Tchéou, 240 (1914).  
*Sophora Mairei* Léveillé in Bull. Acad. Intern. Géog. Bot. **25**: 48 (1915), non Pampanini (1910).
- S. japonica** f. *pendula* [Sweet] Zabel in Beissner et al., Handb. Laubh.-Ben. 256 (1903) "(f.)".—Rehder in Jour. Arnold Arb. **7**: 156 (1926).  
*Sophora japonica* β. *pendula* Loddiges Cat. ex Sweet, Hort. Brit. 107 (1827).—Camuzet in Ann. Soc. Hort. Paris, **19**: 25 (1836).—Carrière in Rev. Hort. **1861**: 85 (1861) "*S. j. p.*"—Loudon, Arb. Brit. **3**: 564 (1838) "var."—Ascherson & Graebner, Syn. Mitteleur. Fl. **6**: 191 (1907) "lus."  
*Styphnolobium japonicum* 2. *pendulum* Kirchner in Petzold & Kirchner, Arb. Muscav. 366 (1864).—Pépin in Rev. Hort. **1866**: 107 (1866).
- S. japonica** f. *columnaris* Schwerin in Mitt. Deutsch. Dendr. Ges. **1907**(16): 256 [1908] "(f.)"
- S. japonica** f. *violacea* (Carr.) Zabel in Beissner et al., Handb. Laubh.-Ben. 256 (1903).  
*Sophora japonica violacea* Carrière in Rev. Hort. **1865**: 465 (1865).—Schneider, Ill. Handb. Laubh. **2**: 20 (1907) "var."  
*Sophora violacea* Hort. ex Koehne, Deutsche Dendr. 323 (1893).—Dippel, Handb. Laubh. **3**: 663 (1893).—Non Thwaites (1864).  
*Sophora sinensis* Forestier in Rev. Hort. **1899**: 157 (1899).  
*Sophora japonica* (f.) *rubella* Sprenger in Mitt. Deutsch. Dendr. Ges. **1921**(31): 322 (1921).  
? *Sophora japonica* var. *rosea* [Sargent] in Bull. Arnold Arb. n. ser. **12**: 60 (1926).
- S. japonica** var. *pubescens* [Tausch] Bosse, Vollst. Handb. Blumengärt. ed. 2, **3**: 408 (1842).—(Tausch) Lavallée, Arb. Segrez. Enum. 54 (1877).—Rehder in Jour. Arnold Arb. **3**: 32 (1922).  
*Sophora pubescens* Tausch in Flora, **17**: 489 (1834).  
*Styphnolobium japonicum pubescens* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 366 (1864).  
*Sophora japonica* var. *tomentosa* Hort. ex Dieck, Haupt-Kat. Zöschchen Nachtr. **1**: 26 (1887), nom.—Hort. ex

- Zabel in Beissner et al., Handb. Laubh.-Ben. 256 (1903), nom.
- Sophora Korolkowii* Dieck ex Koehne, Deutsche Dendr. 323 (1893), in nota sub *S. japonica*. — Cornu ex Dippel, Handb. Laubh. 3: 662 (1893).
- Sophora violacea* Hort. ex Dippel, Handb. Laubh. 3: 663 (1893), p. p.; non Thwaites (1864).
- Sophora tomentosa* Hort. ex Dippel, l. c. (1893), non Linnaeus (1753).
- Sophora sinensis* Hort. ex Rehder in Möller's Deutsch. Gärt.-Zeit. 13: 184 (1898).
- Sophora japonica* (f.) *chinensis* Hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 256 (1903), nom.
- Sophora chinensis* Hort. ex Zabel, l. c. (1903), pro syn.
- Sophora japonica* (f.) *Korolkowii* Zabel, l. c. (1903), nom. — A. Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 38 (1906) "var."
- S. affinis** Torrey & Gray, Fl. N. Am. 1: 390 [1840]. — Sargent, Silva N. Am. 3: 65, t. 122 (1892).
- Styphnolobium affine* Walpers, Repert. Syst. Bot. 1: 807 (1842).
- S. Davidi** (Franch.) Skeels in U. S. Dept. Agric. Bur. Pl. Indust. Seeds Pl. Imp. Invent. 30: 68, no. 33061 (1913).
- Sophora viciifolia* Hance in Jour. Bot. 19: 209 (1881). — Rehder in Jour. Arnold Arb. 7: 157 (1926). — Non *S. viciaefolia* Salisbury (1796).
- Sophora Moorcroftiana* var. *Davidi* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 253, t. 14 (Pl. David. 1: 101. 1884.) (1885).
- Sophora Moorcroftiana* sensu Kanitz in Magyar. Tudom. Akad. Ertek. Termesz. Kör. 15, 2: 8 (1885); in Math. Naturwiss. Ber. Ungarn. 3: 7 (1885); in Szechenyi, Wiss. Ergeb. Reise Ostas. 2: 695 (1898); non Bentham (1878).
- Sophora Davidii* Komarov ex Pavolini in Nuov. Giorn. Bot. Ital. n. ser. 15: 412 (1908), nom.
- S. Wilsonii** Craib in Sargent, Pl. Wilson. 2: 94 (1914).
- Trib. 2. **PODALYRIEAE** Taubert in Nat. Pflanzenfam. III. 3: 185, 199 [1892].
- Leguminosae* A. *Cytiseae* c. *Podalyrieae* Horaninov, Tetractys Nat. 30 (1843), nom. subnud.
- PIPTANTHUS** D. Don in Sweet, Brit. Flow. Gard. 3: t. 264 [1828]. — Bentham & Hooker f., Gen. Pl. 1: 465 (1865).
- TYPUS: *Thermopsis laburnifolius* D. Don = *P. laburnifolius* (D. Don) Stapf.
- P. concolor** Harrow ex Craib in Gard. Chron. ser. 3, 60: 289 (1916).
- Piptanthus concolor* Harrowii Stapf in Bot. Mag. 154: t. 9234, p. [2] (1931).
- P. concolor** subsp. *yunnanensis* Stapf in op. cit. t. 9234 (1931).
- Piptanthus bicolor* Craib in Gard. Chron. ser. 3, 60: 228 (1916).
- P. tomentosus** Franchet in Rev. Hort. 1887: 474 (1887); Pl. Delavay. 150 [1890].
- P. laburnifolius** (D. Don) Stapf in Bot. Mag. 154: t. 9234, p. [3] (1931).
- Thermopsis laburnifolius* D. Don, Prodr. Fl. Nepal. 239 (1825).
- Baptisia* ? *nepalensis* Hooker, Exot. Fl. 2: t. 131 (1825).
- Thermopsis napaulensis* De Candolle in Ann. Sci. Nat. sér. 1, 4: 98 [1825].
- Thermia laburnifolia* Sprengel, Syst. Veg. 4, 2: 171 (1827).
- Piptanthus nepalensis* Sweet, Brit. Fl. Gard. 3: t. 264 [1828]. — Brandis, Indian Trees, 216 (1906).
- Anagyris indica* Lindley in Trans. Soc. Hort. Lond. 7: 245 [1828].
- Virgilia sericea* Hort. ex Lindley, l. c. [1828], pro syn.
- Anagyris nepalensis* Graham ex Wallich, Num. List, no. 5340 [1832].
- Piptanthus laburnifolius* f. *nepalensis* Stapf in Bot. Mag. 154: t. 9234, p. [3] (1931).
- Trib. 3. **GENISTEAE** Bronn, Form. Pl. Legum. 132 (1822). — Taubert in Nat. Pflanzenfam. III. 3: 185, 213 [1892].
- Cassieae* A. *Genisteae* Reichenbach, Consp. Reg. Veg. 153 (1829), nom. subnud.
- Papilionaceae* 2. *Genisteae* Reichenbach, Handb. Nat. Pflanzensyst. 226 (1837), p. p. typ.
- Papilionaceae* subfam. *Lotoideae* A. *Genisteae* Luerssen, Grundzüge Bot. 379 (1877).
- LUPINUS** Linnaeus, Sp. Pl. 721 (1753); Gen. Pl. ed. 5, 322, no. 774 (1754). — Bentham & Hooker f., Gen. Pl. 1: 480 (1865).
- LECTOTYPUS: *L. albus* L.
- L. arboreus** Sims in Bot. Mag. 18: t. 682 (1803). — Schneider, Ill. Handb. Laubh. 2: 23, fig. 17a-i (1907). — Jepson, Fl. Calif. 2: 254 (1936).
- Lupinus rivularis* Douglas in Bot. Reg. 19: t. 1595 (1833).
- ERINACEA** Adanson, Fam. Pl. 2: 321 (1763). — Link, Handb. Erkenn. Gew. 2: 156 (1831). — Boissier, Voy. Bot. Esp. 2: 145 (1839). — Bentham & Hooker f., Gen. Pl. 1: 483 (1865).
- TYPUS: *Anthyllis Erinacea* L. = *E. Anthyllis* Lk.
- E. Anthyllis** Link, Handb. Erkenn. Gew. 2: 156 (1831).
- Anthyllis Erinacea* Linnaeus, Sp. Pl. 720 (1753).
- Erinacea pungens* Boissier, Voy. Bot. Esp. 2: 145 (1839).
- Erinacea erinacea* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 271 (1907).
- SPARTIUM** Linnaeus, Sp. Pl. 708 (1753), p. p. typ.; Gen. Pl. ed. 5, 317, no. 765 (1754). — Bentham & Hooker f., Gen. Pl. 1: 483 (1865).
- Spartianthus* Link, Enum. Pl. Hort. Berol. 2: 223 (1822).
- TYPUS: *S. junceum* L.
- S. junceum** Linnaeus, Sp. Pl. 708 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 235 (1907).
- Genista juncea* Scopoli, Fl. Carniol. ed. 2, 2: 50 (1772).
- Genista odorata* Moench, Meth. Pl. 144 (1794).
- Spartianthus junceus* Link, Enum. Pl. Hort. Berol. 2: 223 (1822).
- Spartium americanum* Meyen, Reise Erde, 1: 445 (1834).
- Spartium acutifolium* Lindley in Bot. Reg. 23: t. 1974 (1837).
- S. junceum** f. *ochroleucum* (Sprenger), grad. nov.
- Spartium junceum ochroleucum* Sprenger in Mitt. Deutsch. Dendr. Ges. 1913(22): 214, 233 [1914].
- S. junceum** f. *plenum* (West.), grad. nov.
- Spartium junceum* 2. *plenum* Weston, Bot. Univ. 1: 282 (1770).
- Spartium junceum* fl. *pleno* Carrière in Rev. Hort. 1866: 337 (1866).
- GENISTA** Linnaeus, Sp. Pl. 709 (1753), exclud. sp. nonnull.; Gen. Pl. ed. 5, 318, no. 766 (1754). — Bentham & Hooker f., Gen. Pl. 1: 62, 1002 (1865, 1867).

**Genista** (continued)

- Corniola* Adanson, Fam. Pl. 2: 321 (1763).—Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 566 (Bot. Bemerk. 136. 1844) (1845).—K. Koch, Hort. Dendrol. 246 (1853).
- Genistella* Moench, Meth. Pl. 133 (1794).
- Genistoides* Moench, l. c. (1794).
- Scorpius* Moench, op. cit. 134 (1794).
- Voglera* G. Gärtner et al., Oekon.-Tech. Fl. Wetterau, 2: 480 (1800).
- Salzwedelia* G. Gärtner, op. cit. 498 (1800).—Reichenbach, Consp. Reg. Veg. 153 (1828), pro sect. "Salzwedelia."—O. F. Lang in Flora, 26: 770 (1843) "Salzwedelia".
- Retama* Rafinesque, Sylva Tellur. 22 (1838).—Boissier, Voy. Bot. Esp. 2: 143 (1839).
- Euteline* Rafinesque, op. cit. 24 (1838), p. p.
- Cytisanthus* O. F. Lang in Flora, 26: 769 (1843).
- Syspone* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 5 (1843).
- Dendrospartum* Spach, Hist. Nat. Vég. Phan. 3: 152 (1845).
- Drymospartum* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 567 (Bot. Bemerk. 137. 1844) (1845).
- Boelia* Webb, Otia Hisp. 20, t. 15, 16 (1853).
- Asterocytisus* (Koch) Fuss, Fl. Transsilv. 146, 154 (1866).
- Enantiosparton* K. Koch, Dendr. 1: 34 (1869).
- Pterospartum* Willkomm in Willkomm & Lange, Prodr. Fl. Hisp. 3: 440 (1877).
- LECTOTYPUS: *G. tinctoria* L.
- G. horrida** (Vahl) De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 500 (1805).
- Spartium horridum* Vahl, Symb. Bot. 1: 51 (1790).
- Genista lugdunensis* Jordan, Pug. Pl. Nov. 52 (1852).
- Genista cosoniaca* Bernardin ex Gandoger, Fl. Lyonn. 71 (1875).
- G. radiata** (L.) Scopoli, Fl. Carniol. 2: 61 (1772).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 241 (1907).
- Spartium radiatum* Linnaeus, Sp. Pl. 708 (1753).
- Cytisus radiatus* Koch in Röhl. Deutschl. Fl. n. ed., 5: 111 (1839).
- Cytisanthus radiatus* O. F. Lang in Flora, 26: 770 (1843).
- Telinaria radiata* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 565 (Bot. Bemerk. 135. 1844) (1845).
- Asterocytisus radiatus* Schur ex Fuss, Fl. Transsilv. 154 (1866).
- Enantiosparton radiatum* K. Koch, Dendr. 1: 34 (1869).
- G. nyssana** Petrovič in Scrinia Fl. Sel. (Magnier) 8: 154 (1889).
- G. germanica** Linnaeus, Sp. Pl. 710 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 244 (1907).
- Genista villosa* Lamarck, Fl. Franç. 2: 615 (1778).
- Scorpius spinosus* Moench, Meth. Pl. 191 (1794).
- Voglera spinosa* G. Gärtner et al., Oekon.-Tech. Fl. Wetterau, 2: 500 (1800).
- Cytisus germanicus* Visiani, Fl. Dalmat. 3: 268 (1852).
- Euteline germanica* Rafinesque ex B. D. Jackson in Index Kew. 1: 936 (1893), pro syn.
- Genista germanica a. typica* A. Schwarz in Abh. Naturh. Ges. Nürnberg. 18: 160 (Fl. Umgeg. Nürnberg. 6: 1102) (1912).
- G. germanica** var. *inermis* Koch in Röhl. Deutschl. Fl. n. ed., 5: 86 (1839) "β."
- G. sylvestris** Scopoli, Fl. Carniol. ed. 2, 2: 53 (1772).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 243 (1907) "silvestris."
- Genista hispanica* Wulfen in Jacquin, Coll. Bot. 2: 165 (1786), non Linnaeus (1753).
- Cytisus sylvestris* Visiani, Fl. Dalmat. 3: 269 (1852).
- Cytisus sylvestris a. innocua* Visiani, l. c. (1852).
- Cytisus sylvestris a. genuina* Reichenbach, Icon. Fl. Germ. 22: 17, t. 2084, fig. I, II, 1-12 [1869?].
- Genista sylvestris a. typica* Pospichal, Fl. Oester. Küstenl. 2: 346 (1898).
- Genista sylvestris* var. *innocua* Schneider, Ill. Handb. Laubh. 2: 29 (1907, March).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 243 (1907, May) "G. s. a. i."
- G. sylvestris** var. *pungens* (Visiani) Rehder, Man. Cult. Trees Shrubs, 489 (1927).
- Genista dalmatica* Wendland f. in Bartling & Wendland, Beitr. Bot. 2: 74 (1825).—Koch, Syn. Fl. Germ. Helv. 154 (1837); ed. 2, 1: 168 (1843).
- Cytisus sylvestris β. pungens* Visiani, Fl. Dalmat. 3: 269 (1852).
- Genista sylvestris c. dalmatica* Beck in Reichenbach, Icon. Fl. Germ. 22: 17, t. 2085, fig. III, 13 (1903).
- G. anglica** Linnaeus, Sp. Pl. 710 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 246 (1907).
- Genista minor* Lamarck, Fl. Franç. 2: 615 (1778).
- Telinaria anglica* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 566 (Bot. Bemerk. 49) (1844).
- G. anglica** subvar. *subinermis* A. Le Grand, Fl. Anal. Berry, ed. 2, 70 (1887).
- G. hispanica** Linnaeus, Sp. Pl. 711 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 245 (1907).
- Spartium hispanicum* Sprengel, Syst. Veg. 3: 177 (1826).
- G. cinerea** (Vill.) De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 494 (1805).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 251 (1907).
- Spartium cinereum* Villars, Prosp. Hist. Pl. Dauphin. 40 (1779).
- Genista scoparia* Chaix in Villars, Hist. Pl. Dauphin. 1: 343 (Pl. Vapinc.) (1786).—Villars, op. cit. 3: 420 (1789).—Non Lamarck (1778).
- Spartium sphaerocarpon* Lapeyrouse, Hist. Abr. Pl. Pyrén. 402 (1813).
- Genista linifolia* Villar[s], Fl. Delphin. 74 (in Gilibert, Syst. Pl. Eur. 1) (1785), non Linnaeus (1762).
- G. tinctoria** Linnaeus, Sp. Pl. 710 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 255 (1907).—Shishkin in Komarov, Fl. S. S. R. 11: 65 (1945).
- Spartium tinctorium* Roth, Tent. Fl. Germ. 2: 160 (1789).
- Corniola tinctoria* Medicus, Philos. Bot. 1: 203 (1789).
- Genistoides tinctoria* Moench, Meth. Pl. 133 (1794).
- Genista tinctoria a. vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 3, 3: 123 (1845).
- Cytisus tinctorius* Visiani, Fl. Dalmat. 2: 268 (1852).
- Genista tinctoria a. genuina* Pokorný, Pl. Lign. Austr. 394 (1864).
- Genista humifusa* Dicks. ex Nyman, Consp. Fl. Eur. 153 (1878), pro syn.; non Linnaeus (1759), nec Jacquin (1788), nec Villars (1789).
- Genista tinctoria a. typica* Koehne, Deutsche Dendr. 326 (1893).
- Genista polygalifolia* Hort. ex Zabel in Beissner, et al., Handb. Laubh.-Ben. 259 (1903), pro syn.—Rehder in Bailey, Stand. Cycl. Hort. 3: 323 (1915) "polygalae-folia," pro syn.—Non De Candolle (1825).

- Genista sibirica* Hort. ex Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 257 (1907), pro syn.—Rehder in Bailey, Stand. Cycl. Hort. **3**: 323 (1915), pro syn.—Non Linnaeus (1771).
- G. tinctoria** f. *plena* [K. Koch] Schneider, Ill. Handb. Laubh. **2**: 33 (1907).
- Genista sibirica* fl. *pleno* Pépin in Rev. Hort. **1853**: 44 (1853).
- Corniola tinctoria* e. *plena* Hort. ex K. Koch, Hort. Dendr. **247** (1853), nom. subnud.
- Genista tinctoria* fl. *pleno* Carrière in Rev. Hort. **1892**: 320 (1892).
- Genista tinctoria* var. *plena* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**2**]: 632 (1900).
- G. tinctoria** f. *angustata* (Schur), grad. nov.
- Genista tinctoria* b. *angustata* Schur, Enum. Pl. Transsilv. **145** (1856).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 257 (1907) “A. *vulgaria* d. *angustata*”.
- ?*Genista tinctoria* β. *stenophylla* Boissier, Fl. Or. **2**: 43 (1872).
- Genista tinctoria* f. *lanceolata* Hallier in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, **1**: 502 (1892).
- Genista salicifolia* Hort. nonnull. ex Dippel, Handb. Laubh. **3**: 666 (1893), pro syn.
- Genista sibirica* Hort. nonnull. ex Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 257 (1907), pro syn.—Non Linnaeus, Mant. Pl. **2**: 571 (1771).
- Genista tinctoria salicifolia* Hort. ex Ascherson & Graebner, l. c. (1907), pro syn.
- G. tinctoria** f. *latifolia* (DC.), grad. nov.
- Genista tinctoria* β. *latifolia* De Candolle, Fl. Franç. **6**: 547 (1815); Prodr. **2**: 151 (1825).—Rouy in Rouy & Foucaud, Fl. France, **4**: 234 (1897), pro syn. sub *G. Delarbrii*.
- Genista Delarbrii* Lecoq & Lamotte, Cat. Rais. Pl. Centr. France, **125** (1847).—Rouy in op. cit. **236** (1897).
- Genista tinctoria* [var.] f. *Delarbrii* Reichenbach, Icon. Fl. Germ. **22**: 23, t. 2089 (38), fig. v [1867–86].
- Genista tinctoria* var. *platyphylla* F. Gérard in Rev. Bot. Bull. Mens. Soc. Franç. Bot. **8**: (Notes Quelq. Pl. Vosg. 17) (1890).—Schneider, Ill. Handb. Laubh. **2**: 33 (1907) “f.”
- G. tinctoria** var. *hirsuta* De Candolle, Prodr. **2**: 151 (1825) “γ.”—Schneider, l. c. (1907), err. cit. “D.C., Fl. Fr. Suppl. (1815)”.
- ?*Genista tinctoria* β. *G. pratensis* Pollini, Cat. Pl. Hort. Veron. **19** (1812); Fl. Veron. **2**: 457 (1822).—De Candolle, Prodr. **2**: 151 (1825) “δ. *pratensis*”.—Rouy in Rouy & Foucaud, Fl. France, **4**: 235 (1897) “δ. *pratensis*”.
- Genista pubescens* Láng in Syll. Pl. Nov. Soc. Bot. Ratisb. **1**: 181 (1824).
- Genista tinctoria* var. *pubescens* Reichenbach, Fl. Germ. Excurs. **519** (1832).—Lange in Vidensk. Meddel. Naturhist. For. Kjöbenh. ser. 2, **7**: 164 (1866).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 261 (1907).
- Corniola tinctoria* γ. *hirsuta* K. Koch, Hort. Dendr. **247** (1853).
- Genista tinctoria* c. *latifolia* Schur, Enum. Pl. Transsilv. **145** (1866).—Reichenbach, Icon. Fl. Germ. **22**: 23, t. 2539, fig. 1–2 (1867–86) “d.”—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 257 (1907) “A. *vulgaris* b. *latifolia*”.—Non De Candolle (1815).
- G. tinctoria** var. *anxantica* (Ten.) Fiori, Fl. Ital. **2**: 18 (1899).—Schneider, Ill. Handb. Laubh. **2**: 33 (1907).
- Genista anxantica* Tenore, Fl. Napol. Prodr. **1**: xli (1811).
- G. tinctoria** var. *virgata* (Willd.) Koch in Röbling, Deutschl. Fl. n. ed., **5**: 90 (1839).—Schneider, Ill. Handb. Laubh. **1**: 33 (1907).—Turill in Hooker's Icon. Pl. **32**: t. 3154 (1932).
- Genistoides elata* Moench, Meth. Pl. **133** (1794).
- Genista virgata* Willdenow, Berlin. Baumz. ed. 2, **159** (1811), non Lamarck [1788], nec Link (1822), nec Lowe (1868).
- Genista sibirica* sensu Reichenbach, Fl. Germ. Excurs. **519** (1832), non Linnaeus (1771).
- Genista elata* Wenderoth in Linnaea, **15** (Litt.-Ber.): 100 (1840).
- Genista anxantica* sensu Grisebach, Spicil. Fl. Rumel. Bithyn. **1**: 3 (1843), non Tenore (1811).
- Genista elatior* Koch, Syn. Fl. Germ. Helv. ed. 2, **1**: 441 (1843).
- Corniola virgata* Presl in Abh. Böhm. Ges. Wiss. ser. 5, **3**: 566 (Bot. Bemerk. **136**. 1844) (1845).
- Genista tinctoria* var. *elatior* F. Schultz in Archiv. de Fl. **1**: 328 (1864).—Reichenbach, Icon. Fl. Germ. **22**: 22, t. 288, fig. i, ii, 1–5 [1867–86].
- Genista tinctoria* var. *elongata* Rouy in Rouy & Foucaud, Fl. France, **4**: 235 (1897).
- Genista tinctoria* b. *elata* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 261 (1907).
- G. tinctoria** var. *alpestris* Bertoloni, Mant. Pl. Fl. Alp. Apuan. **47** (1832) “δ.”—Schneider, Ill. Handb. Laubh. **2**: 33 (1907).
- Genista tenuifolia* Loiseleur in Jour. de Bot. (Soc. Bot.) **2**: 370 (Notice Pl. Fl. France, **169**. 1810) (1809).
- ?*Genista humilis* Tenore, Fl. Napol. **4**: 99 (1830).
- Genista depressa* Tenore, Fl. Napol. **4**: t. 171, fig. 2 (1838), p. p.; non Bieberstein (1819).
- Genista tinctoria* var. *humilis* Fiori, Fl. Ital. **2**: 18 (1899).
- Genista tinctoria* a.i.a.2.a.2. *tenuifolia* Ascherson & Graebner Syn. Mitteleur. Fl. **6,2**: 259 (1907).
- G. tinctoria** var. *humilior* (Bertol.) Schneider, Ill. Handb. Laubh. **2**: 33 (1907).
- Genista Perreymondi*, Loiseleur, Fl. Gall. **2**: 105 (1807).
- Genista mantica* Pollini, Cat. Ort. Veron. **18** (1814); Fl. Veron. **2**: 458 (1822).
- Genista ovata* var. *humilior* Bertoloni, Fl. Ital. **7**: 354 (1847).
- Genista tinctoria* c. *mantica* Reichenbach, Icon. Fl. Germ. **22**: 23, t. 2088, fig. iv [1867–86].—Wohlfahrt in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, **1**: 502 (1892) “(f.)”.
- Genista tinctoria* subsp. *G. Perreymondi* Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 262 (1907).
- G. ovata** Waldstein & Kitaibel, Pl. Rar. Hung. **1**: 86, t. 84 (1802).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 263 (1907).
- Corniola ovata* Presl in Abh. Böhm. Ges. Wiss. ser. 5, **3**: 566 (1845).
- Genista tinctoria* var. *ovata* F. Schultz in Archiv. de Fl. **1**: 219, 227 (1856).
- Genista ovata* var. *typica* Schneider, Ill. Handb. Laubh. **2**: 35 (1907).
- G. lydia** Boissier, Diagn. Pl. Or. Nov. ser. 1, **2**: 8 (1843); Fl. Or. **2**: 44 (1872).—Bean, Trees Shrubs Brit. Isl. **3**: 177 (1933).—H. S. in Gard. Chron. ser. 3, **120**: 147, fig. 67 (1946).
- Genista lamprophylla* Spach in Ann. Sci. Nat. Bot. sér. 3, **3**: 126 (1845).
- Genista leptophylla* Spach in op. cit. **127** (1845).
- Genista spathulata* Spach in op. cit. **128** (1845).
- Genista caespitosa* K. Koch in Linnaea, **19**: 60 (1847).



**Genista lydia** (continued)

*Genista transsilvanica* Schur, Enum. Pl. Transsilv. 144 (1866).

*Genista tinctoria* subsp. *G. lydia* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 262 (1907).

**G. pilosa** Linnaeus, Sp. Pl. 710 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 265 (1907).

*Genista repens* Lamarck, Fl. Franç. 2: 618 (1778).

*Spartium pilosum* Roth, Tent. Fl. Germ. 2,2: 161 (1779).

*Genistoides tuberculata* Moench, Meth. Pl. 133 (1794).

*Telinaria pilosa* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 566 (Bot. Bemerk. 136. 1844) (1845).

*Cytisus pilosus* Visiani, Fl. Dalmat. 3: 269 (1852).

**G. sericea** Wulfen in Jacquin, Collect. Bot. 2: 167, t. 147 (1788). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 253 (1907).

*Cytisus sericeus* Visiani, Fl. Dalmat. 3: 269 (1852).

**G. januensis** Viviani, Elench. Pl. Hort. Dinegro, 19 (1802). — Rehder in Jour. Arnold Arb. 3: 34 (1921). — Burt in Bot. Mag. 162: t. 9574 (1939).

*Genista triangularis* Kitaibel ex Willdenow, Sp. Pl. 3,2: 939 [1803]. Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 254 (1907).

*Genista scariosa* Viviani in Ann. di Bot. (Viviani), 1,2: 175 (1804). — Boissier, Fl. Or. 2: 43 (1872).

*Genista triquetra* Waldstein & Kitaibel, Pl. Rar. Hung. 2: 165, t. 153 (1805).

*Genista genuensis* Persoon, Syn. Pl. 2: 287 (1807).

*Cytisus triangularis* Visiani, Fl. Dalmat. 3: 268 (1852).

**G. sagittalis** Linnaeus, Sp. Pl. 710 (1753). — Schneider, Ill. Handb. Laubh. 2: 35, fig. 23a-f (1907). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 267 (1907).

*Genista herbacea* Lamarck, Encycl. Méth. Bot. 2: 616 [1788].

*Spartium sagittale* Roth, Tent. Fl. Germ. 1: 302 (1788).

*Genistella racemosa* Moench, Meth. Pl. 133 (1794).

*Saltzwedelia sagittalis* G. Gärtner et al., Oek.-Tech. Fl. Wetterau, 2: 498 (1800).

*Cytisus sagittalis* Koch, Syn. Fl. Germ. Helv. 147 (1837).

*Syspone sagittalis* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 6 (1843).

*Pterospartum sagittale* Willkomm in Willkomm & Lange, Prodr. Fl. Hisp. 3: 440 (1880).

*Euteline sagittalis* Rafinesque ex B. D. Jackson in Index Kew. 1: 936 (1893), pro syn.

**PETTERIA** Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 569 (Bot. Bemerk. 139. 1834) (1835). — Bentham & Hooker f., Gen. Pl. 1: 482 (1865).

*Genista* sect. *Petteria* Briquet, Études Cytis. 123 (1894).

Typus: *Cytisus ramentaceus* Sieber = *P. ramentacea* (Sieber) Presl.

**P. ramentacea** (Sieber) Presl, l. c. (1834). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 269 (1907).

*Cytisus ramentaceus* Sieber in Flora, 5: 242 (1830).

*Cytisus Weldenii* Visiani in Flora, 13: 52 (1830).

*Cytisus fragrans* Welden in Flora, 13: 218 (1830); 15: 528 (1832); non Lamarck (1786).

*Genista Weldeniana* Scheele in Flora, 26: 438 (1843).

*Laburnum fragrans* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 7 (1843).

*Laburnum ramentaceum* K. Koch, Dendr. 1: 20 (1869).

*Genista ramentacea* Briquet, Études Cytis. 123 (1894).

**LABURNUM** Medicus in Vorles. Kurpfälz. Phys.-ökon. Ges. 2: 363 (1787). — Bentham & Hooker f., Gen. Pl. 1: 481 (1865).

*Cytisus* Linnaeus, Sp. Pl. 739 (1753), p. p.

*Podocytisus* Boissier & Heldreich in Boissier, Diagn. Pl. Or. Nov. sér. 1, 9: 7 (1849).

*Laburnum* sect. *Podocytisus* Briquet, Études Cytis. 124 (1894).

**L. anagyroides** Medicus in Vorles. Kurpfälz. Phys.-ökon. Ges. 2: 363 (1787). — Schneider, Ill. Handb. Laubh. 2: 39 (1907).

*Cytisus Laburnum* Linnaeus, Sp. Pl. 739 (1753).

*Laburnum vulgare* Berchtold & Presl, Pflöz. Rostl. 1: 355 (1823), sphalm. *C. vulgare*; 3: 99, t. 8 (1835). — Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 7 (1843).

*Laburnum pendulum* Rafinesque, Sylva Tellur. 24 (1838).

*Laburnum praecox* Fuss, Fl. Transsilv. 151 (1866).

*Cytisus Jacquinianus* Wettstein in Verh. Zool.-Bot. Ges. 40 (Sitzber.): 46 (1890, June), nom.; in Bot. Centralbl. 43: 173 (1890, Aug.), nom.

*Cytisus Laburnum* subsp. *a. Linneanus* Wettstein in Oester. Bot. Zeitschr. 40: 398, 437, t. 4, fig. 7-12, 26, 29 (1890, Nov., Dec.).

*Cytisus Laburnum* subsp. *β. C. Jacquinianus* Wettstein in op. cit. 438, t. 4, fig. 1-6, 25 (1890, Dec.).

*Cytisus laburnum a. typicus* Beck, Fl. Nieder-Öster. 831 (1892).

*Cytisus laburnum β. Jacquinianus* Beck, l. c. (1892).

*Laburnum vulgare a. Linneanum* et *β. Jacquinianum* Koehne, Deutsche Dendr. 325 (1893).

*Laburnum Linneanum* Dieck, Neuheit. Nat.-Arb. Zösch, 1894-5: 18 (1894), nom.

*Laburnum Jacquinianum* Dieck, l. c. (1894), nom.

*Laburnum Laburnum* Voss, Vilmor. Blumengärt. 1: 198 [1894], pro syn. — Dörfler, Herb. Norm. Sched. n. ser. 39: 300, no. 3815 (1899). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 272 (1907).

*Laburnum Laburnum* subsp. *L. Linneanum* Dörfler, l. c. (1899). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 272 (1907).

*Laburnum Laburnum* subsp. *L. Jacquinianum* Dörfler, l. c., no. 3816 (1899). — Ascherson & Graebner, op. cit. 273 (1907).

*Laburnum anagyroides* var. *typicum* Schneider, Ill. Handb. Laubh. 2: 37 (1907).

**L. anagyroides f. aureum** (Van Houtte) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 223 [1916]; in Bailey, Stand. Cycl. Hort. 4: 1763 (1916, Feb. 23) "var." *Cytisus Laburnum aureus* Van Houtte in Fl. des Serr. 20: 145, t. 2247 (1875).

*Laburnum vulgare* (f.) 5. *chrysophyllum* Späth, Cat. 1888/89 ex Dippel, Handb. Laubh. 3: 673 (1893). — Voss, Vilmor. Blumengärt. 1: 198 [1894] "f."

*Laburnum vulgare* var. *aureum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 865 (1900).

*Laburnum anagyroides f. chrysophyllum* Schneider, Ill. Handb. Laubh. 2: 37 (1907).

**L. anagyroides f. bullatum** [Jacques] Schneider, Ill. Handb. Laubh. 2: 37 (1907) "var. *typicum* f. *b.*" — Rehder in Bailey, Stand. Cycl. Hort. 4: 1763 (1916) "var."

*Cytisus laburnum fol. involutis s. crispis* Bosse, Handb. Blumengärt. ed. 2, 1: 645 (1840).

*Cytisus Laburnum* var. *bullatum* Jacques in Jacques & Herincq, Man. Pl. 1: 410 (1847).

*Laburnum vulgare involutum* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 405 (1859). — Nicholson in Garden, 25: 518 (1884) "var." — Bean, Trees Shrubs Brit. Isl. 2: 4 (1914) "var."

- Cytisus Laburnum* 1b. *crispus* Kuntze, Taschen-Fl. Leipzig, 277 (1867).
- Laburnum vulgare* e. *bullatum* K. Koch, Dendr. 1: 17 (1869).
- Laburnum vulgare monstrosum* Hort. ex Nicholson in Garden, 25: 518 (1884), pro syn.
- Cytisus Laburnum* subsp. *C. Jacquinianus* var. *bullatus* Wettstein in Oester. Bot. Zeitschr. 41: 128 (1891).
- Laburnum laburnum* subsp. *L. Jacquinianum* lus. *bullatum* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 274 (1907).
- L. anagyroides f. quercifolium** (Loud.) Schneider, Ill. Handb. Laubh. 2: 37 (1907) "var. *typicum* f. *q.*" — Rehder in Bailey, Stand. Cycl. Hort. 4: 1763 (1916) "var."
- Cytisus Laburnum* var. *quercifolium* Loudon, Arb. Brit. 2: 590 (1838).
- Laburnum vulgare* 12. *quercifolium* Kirchner in Petzold & Kirchner, Arb. Muscav. 399 (1864). — Voss, Vilmor. Blumengärt. 1: 198 [1894] "f."
- Cytisus Laburnum* subsp. *Linnaeanus* var. *quercifolius* Wettstein in Oester. Bot. Zeitschr. 41: 128 (1901).
- Laburnum laburnum* subsp. *L. Jacquinianum* lus. *quercifolium* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 274 (1907).
- L. anagyroides f. sessilifolium** [Jacques] Schneider, Ill. Handb. Laubh. 2: 38 (1907) "var. *Alschingeri* f. *s.*" — Rehder in Bailey, Stand. Cycl. Hort. 4: 1763 (1916) "var. *s.*"
- Cytisus Laburnum* var. *sessilifolium* Jacques in Jacques & Herincq, Man. Pl. 1: 410 (1847). — Wettstein in Oester. Bot. Zeitschr. 41: 128 (1901) "subsp. *Jacquinianus* var. *sessilifolius*".
- Laburnum vulgare sessilifolium* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 405 (1859). — Nicholson in Garden, 25: 519 (1884). — Koehne, Deutsche Dendr. 325 (1893) "*γ. Alschingeri* f. *s.*".
- Laburnum laburnum* subsp. *L. Jacquinianum* b. *sessilifolium* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 274 (1907).
- L. anagyroides f. pendulum** (Bosse), grad. nov.
- Cytisus Laburnum* c) *pendulus* Bosse, Vollst. Handb. Blumengärt. ed. 2, 1: 645 (1840). — Jacques in Jacques & Herincq, Man. Pl. 1: 410 (1847) "var."
- Cytisus Laburnum* subsp. *Linnaeanus* var. *pendulus* Wettstein in Oester. Bot. Zeitschr. 41: 128 (1891).
- Laburnum vulgare* f. *pendulum* Voss, Vilmor. Blumengärt. 1: 198 [1894].
- Laburnum laburnum* subsp. *L. Linneanum* lus. *pendulum* Ascherson & Graebner Syn. Mitteleur. Fl. 6,2: 273 (1907).
- Laburnum anagyroides* var. *pendulum* Rehder in Bailey, Stand. Cycl. Hort. 4: 1763 (1916).
- L. anagyroides f. serotinum** (Bosse) Rehder in Jour. Arnold Arb. 27: 318 (1946).
- Cytisus laburnum* var. f) *serotinus* Bosse, Vollst. Handb. Blumengärt. ed. 2, 1: 645 (1840).
- Laburnum vulgare autumnale* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 405 (1859).
- Cytisus Laburnum* 3b. *autumnalis* Kuntze, Taschen-Fl. Leipzig, 277 (1867).
- Laburnum vulgare* var. *bifera* Lavallée, Arb. Segrez. 59 (1877).
- Laburnum tardiflorum* Hort. ex May in Rev. Hort. 1878: 120 (1878).
- Laburnum vulgare* f. *autumnale* Voss, Vilmor. Blumengärt. 1: 198 [1894].
- Laburnum laburnum* b. *serotinum* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 273 (1907).
- Laburnum vulgare* var. *semperflorens* Bean, Trees Shrubs Brit. Isl. 2: 4 (1914).
- Laburnum anagyroides* var. *autumnale* Rehder in Bailey, Stand. Cycl. Hort. 4: 1763 (1916).
- L. anagyroides var. Alschingeri** (Vis.) Schneider, Ill. Handb. Laubh. 2: 38 (1907).
- Cytisus Alschingeri* Visiani in Sem. Hort. Patav. (1840) ex Linnaea, 15(Litt.-Ber.): 101 (1841), cum descript.; Fl. Dalmat. 3: 262, t. 54 (1852).
- Laburnum Alschingeri* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 405 (1859); Dendr. 1: 18 (1869).
- Laburnum vulgare* β. *Alschingeri* H. G. Reichenbach f., Icon. Fl. Germ. 22: 30, t. 2066, fig. i, ii [1867–86]. — Voss, Vilmor. Blumengärt. 1: 198 [1894] "f."
- Cytisus Laburnum* subsp. *γ. Alschingeri* Wettstein in Oester. Bot. Zeitschr. 41: 127, t. 4, fig. 19–24, 28, 29, 31 (1891).
- Laburnum laburnum* subsp. c. *L. Alschingeri* Dörfner, Herb. Norm. Sched. n. ser. 39: 300, no. 3817 (1899). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 274 (1907).
- L. anagyroides var. Carlieri** (Kirchn.) Schneider, Ill. Handb. Laubh. 2: 38 (1907).
- Laburnum vulgare* 3. *Carlieri* Kirchner in Petzold & Kirchner, Arb. Muscav. 398 (1864).
- Cytisus nigricans* Carlieri Hort. ex Kirchner, l. c. (1864).
- L. Watereri** (*L. alpinum* × *anagyroides*) (Kirchn.) Dippel, Handb. Laubh. 3: 673 (1893).
- Laburnum vulgare intermedium*, *L. v. grandiflorum*, *L. v. Parksii* et *L. v. Watereri* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 405 (1859), nom.
- Laburnum vulgare Watereri* Kirchner in Petzold & Kirchner, Arb. Muscav. 400 (1864). — Nicholson in Garden, 25: 519 (1884) "var." — Voss, Vilmor. Blumengärt. 1: 198 [1894] "f."
- Laburnum vulgare* var. *Parkesi* Nicholson in Garden, 25: 519 (1884).
- Cytisus Watereri* (*C. Laburnum* × *C. alpinus*) Wettstein in Oester. Bot. Zeitschr. 41: 129, t. 4, fig. 13–18, 27, 30 (1891).
- Laburnum vulgare* f. *Vossii* Voss, Vilmor. Blumengärt. 1: 198 [1894], nom. subnud.
- L. alpinum** (Mill.) Berchtold & Presl, Pflanz. Rostl. 3: 99 (1835). — Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 7 (1843). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 275 (1907).
- Cytisus alpinus* Miller, Gard. Dict. ed. 8, C. no. 2 (1768). — Wettstein in Oester. Bot. Zeitschr. 41: 170, t. 4, fig. 19–24, 28, 31 (1891).
- Cytisus Laburnum* sensu Curtis in Bot. Mag. 5: t. 176 [1791]. — Baumgarten, Enum. Fl. Transsilv. 2: 346 (1816). — Non Linnaeus (1753).
- Cytisus angustifolius* Moench, Meth. Pl. 145 (1794).
- Cytisus alpinus* *γ. macrostachys* Endlicher, Cat. Hort. Bot. Vindob. 2: 474 (1842), nom. — Wettstein in Oester. Bot. Zeitschr. 41: 171 (1891) "var."
- Laburnum alpinum* var. *typicum* f. *macrostachys* Schneider, Ill. Handb. Laubh. 2: 39 (1907).
- L. alpinum f. autumnale** (Bean), grad. nov.
- Laburnum alpinum* var. *autumnale* Bean, Trees Shrubs Brit. Isl. 2: 2 (1914).

**Laburnum** (continued)

**L. alpinum** f. **pendulum** (Loud.) Zabel in Beissner et al., Handb. Laubh.-Ben. 261 (1903).—Bean, Trees Shrubs Brit. Isl. 2: 2 (1914) "var."

*Cytisus alpinus* var. 2. *pendulus* Loudon, Arb. Brit. 2: 591 (1838).

**L. caramanicum** (Boiss.) Benth. & Hooker f., Gen. Pl. 1: 481 (1865).—Schneider, Ill. Handb. Laubh. 2: 40, fig. 25h, 26g-n (1907).

*Podocytisus caramanicus* Boissier & Heldreich ex Boissier, Diagn. Pl. Or. sér. 1, 9: 7 (1849).—Boissier, Fl. Or. 2: 35 (1872).

*Cytisus caramanicus* Lavallée, Arb. Segrez. 59 (1877).

**LABURNOCYTISUS** (*Laburnum* + *Cytisus*) Schneider, Ill. Handb. Laubh. 2: 40 (1907).

**L. Adami** (Poit.) (*L. anagyroides* + *C. purpureus*) Schneider, Ill. Handb. Laubh. 2: 40 (1907).

*Cytisus Adami* Poiteau in Ann. Soc. Hort. Paris, 7: 501 (1830).—A. Braun in Abh. Phys. Kl. Akad. Wiss. Berlin, 1853: 30 (1854).—Briquet, Études Cytis. 166 (1894).

*Cytisus Laburnum coccineum* [Hort. ex] Lindley in Bot. Reg. 23: t. 1965 (1837), pro syn.

*Cytisus Laburno-purpureus* Maund, Botanist, 1: t. 7 [1837].

*Cytisus Laburnum* var. *purpurascens* Loudon, Arb. Brit. 2: 590 (1838).

*Laburnum vulgare Adami* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 405 (1859); Dendr. 1: 17 (1869).—Voss, Vilmor. Blumengärt. 1: 198 [1894] "f."

*Laburnum Adamii* Kirchner in Petzold & Kirchner, Arb. Muscav. 396 (1864).

*Laburnum sordidum* Lindley ex K. Koch, Dendr. 1: 17 (1869), pro syn.

*Laburnum variable* Hort. ex Voss, Vilmor. Blumengärt. 1: 198 [1894], pro syn.

*Laburnum laburnum* × *Cytisus purpureus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 340 (1907).

**CALYCOTOME** Link in Neu. Jour. für Bot. (Schrader) 2,2: 50 (1808) "*Calicotome*".—Benth. & Hooker f., Gen. Pl. 1: 481 (1865).

*Calycotomon* Hoffmannsegg, Verz. Pflanzenkult. 45, 166 (1824) "*Calycotomum*" (p. 45).

TYPE: *Spartium villosum* Poir. = *C. villosa* Link.

**C. spinosa** (L.) Link, Enum. Pl. Hort. Berol. 2: 225 (1822).—Schneider, Ill. Handb. Laubh. 2: 60, fig. 36g-m (1907).

*Spartium spinosum* Linnaeus, Sp. Pl. 997 (1753).

*Cytisus spinosus* Lamarck, Fl. Franç. 2: 625 (1778).

*Calycotomon spinosus* Hoffmannsegg, Verz. Pflanzenkult. 45 (1824).

**C. villosa** (Poir.) Link in Neu. Jour. für Bot. (Schrader) 2,2: 51 (1808).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 277 (1907).

*Spartium villosum* Poir., Voy. Barb. 2: 207 (1789).—Vahl, Symb. Bot. 2: 80 (1791).

*Spartium lanigerum* Desfontaines, Fl. Atlant. 2: 135 [1798].

*Cytisus lanigerus* De Candolle in Lamarck & De Candolle, Fl. Franç. 5: 504 (1815).

*Calycotome cretica* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 481 (Bot. Bemerk. 49. 1844) (1845).

*Cytisus Preslii* Nyman, Syll. Fl. Eur. 283 (1855).

*Calycotome spinosa* subsp. *villosa* Rouy in Rouy & Foucaud, Fl. France, 4: 249 (1897).

**ADENOCARPUS** De Candolle in Lamarck & De Candolle, Fl. Franç. 5: 549 (1815).—Benth. & Hooker f., Gen. Pl. 1: 481 (1865).

TYPE: *A. parvifolius* DC. = *A. complicatus* (L.) Gren. & Godr.

**A. decorticans** Boissier in Bibl. Univ. Genève, n. sér., 13: 407 (1838, March); Voy. Bot. Esp. 145, t. 41 (1839).—Rehder in Jour. Arnold Arb. 26: 477 (1945).

*Adenocarpus Boissieri* Webb, Iter Hisp. 52 (1838).

**A. complicatus** (L.) J. Gay ex Grenier & Godron, Fl. France, 1: 364 (1848).—Ascherson & Graebner, Syn. Mitteleur. Fl., 6,2: 279 (1907).

*Spartium complicatum* Linnaeus, Sp. Pl. 709 (1753), p. p. typ.

*Cytisus parvifolius* Lamarck, Encycl. Méth. Bot. 2: 248 (1786).

*Cytisus divaricatus* L'Héritier, Stirp. Nov. 184 [1791].

*Cytisus complicatus* Brotero, Fl. Lusit. 2: 92 (1804).

*Adenocarpus parvifolius* De Candolle in Lamarck & De Candolle, Fl. Franç. 5: 550 (1815).

*Adenocarpus divaricatus* Sweet, Hort. Brit. 112 [1826].—Lowe, Fl. Madeira, 127 (1868).

**CYTISUS** Linnaeus, Sp. Pl. 739 (1753), p. p.; Gen. Pl. ed. 5, 328, no. 785 (1754).—Benth. & Hooker f., Gen. Pl. 1: 484 (1865).—Briquet, Études Cytis. 132 (1894).

*Teline Medicus* in Vorles. Kurpfälz. Phys.-Oekon. Ges. 4: 342 (1789); Phil. Bot. 1: 203 (1789).—Webb in Webb & Berthelot, Phytog. Canar. 2: 34 [1842].

*Nubigena Rafinesque*, Sylva Tellur. 23 (1838).

*Peyssonelia* Boivin ex Webb, op. cit. 35 [1842], pro syn.

*Telinaria* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 479, in nota (Bot. Bemerk. 47. 1844) (1845).

*Chronanthos* (DC.) K. Koch, Hort. Dendr. 248 (1853).

*Pterospartum* Willkomm in Willkomm & Lange, Prodr. Fl. Hisp. 3: 440 (1880).

*Cytothamnus* (*Cytisus* × *Sarothamnus*) Schneider in Silva Tarouca & Schneider, Uns. Freil. Laubgeh. ed. 2, 461, nota 35 (1922), nom. subnud.

LECTOTYPUS: *C. sessilifolius* L. sec. Intern. Rules Bot. Nomencl. ed. 3, 140 (1935); melius *C. supinus* L. (spec. sect. *Eucytisus* Griseb.)

Sect. 1. **SAROTHAMNUS** (Wimm.) Benth. & Hooker f., Gen. Pl. 1: 484 (1865).—Briquet, Études Cytis. 145 (1894).

*Cytisogenista* Ortega, Tab. Bot. 39 (1772) "*Cytisogenista*."—Rothmaler in Repert. Spec. Nov. Reg. Veg. 49: 55 (1940).

*Sarothamnus* Wimmer, Fl. Schles. 278 (1832).

*Verzinum* Rafinesque, Sylva Tellur. 23 (1836).

*Corema* Presl, Wseob. Rostlin. 1: 353 (1846), non D. Don (1827).

**Cytisus scoparius** (L.) Link, Enum. Pl. Hort. Berol. 2: 241 (1822).—Briquet, Études Cytis. 146 (1894).

*Spartium scoparium* Linnaeus, Sp. Pl. 709 (1753).

*Spartium glabrum* Miller, Gard. Dict. ed. 8, S. no. 7 (1768).

*Genista scoparia* Lamarck, Fl. Franç. 2: 619 (1778); Encycl. Méth. Bot. 2: 623 [1788], non Villars (1786).

*Spartium angulosum* Gilibert, Fl. Lithuan. 2: 79 (1781). *Genista hirsuta* Moench, Meth. Pl. 144 (1794).

- Genista angulata* Poiret, Encycl. Méth. Bot. Suppl. 5: 688 (1817).
- Sarothamnus vulgaris* Wimmer, Fl. Schles. 278 (1832).
- Sarothamnus scoparius* Wimmer ex Koch, Syn. Fl. Germ. Helv. 152 (1837).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 289 [1907].
- Genista glabra* Spach in Ann. Sci. Nat. Bot. sér. 3, 3: 157 (1845).
- Corema scoparium* Presl, Wseob. Rostlin. 353 (1846).
- Cytisus scoparius* var. *genuinus* Briquet, Études Cytis. 146 (1894).
- Genista scoparia* a. *vulgaris* Rouy & Foucaud, Fl. France, 4: 204 (1897).
- Sarothamnus scoparius* var. *a. genuinus* f. *aureus* Ulbrich in Naturschätze Heimat, 1: 8 (1920); in Mitt. Deutsch. Dendr. Ges. 1927(38): 134 (1927).
- Cytisogenista scoparia* (L.) et C. s. var. *genuina* (Briq.) Rothmaler in Repert. Spec. Nov. Reg. Veg. 49: 55 (1940).
- C. scoparius** f. *albus* [G. Don] Schneider, III. Handb. Laubh. 2: 42 (1907).
- Cytisus scoparius* β. *albus* G. Don, Gen. Hist. Dichlam. Pl. 2: 155 (1832).—Loudon, Arb. Brit. 2: 595 (1838) "var."—Rehder in Bailey, Stand. Cycl. Hort. 2: 948 (1914), p. p.
- Sarothamnus scoparius* f. *albiflorus* Ulbrich in Naturschätze Heimat, 1: 8 (1920); in Mitt. Deutsch. Dendr. Ges. 1927(38): 134 (1927).—Chevalier in Bull. Soc. Bot. France, 67: 324 (1921) "var."
- C. scoparius** f. *sulphureus* (Goldr.), grad. nov.
- Spartium scoparium* (f.) *ochroleucum* Dippel, Handb. Laubh. 3: 680 (1893), sphalm. "ochroleum"; pro syn.—Kache in Gartenwelt, 19: 57, fig. (1915) "S. s. o."
- Cytisus scoparius* var. *sulphureus* [Nicholson] in Kew Hand-list Trees Shrubs, 1: 117 (1894), nom.—Goldring in Gard. Mag. 44: 580, fig. (1901) "C. s. s."
- Cytisus scoparius* var. *pallidus* Goldring in Garden, 61: 299, fig. (1902).
- Cytisus scoparius* (f.) *ochroleucus* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 263 (1903), nom.—Schwerin ex Ulbrich in Mitt. Dendr. Ges. 1921(31): 134 (1921) "f."
- Sarothamnus scoparius* β. *sulfureus* A. F. Schwarz in Abh. Naturh. Ges. Nürnberg. 18,2: 160 (Phan.- & Gefäßskrypt.-Fl. Umgeg. Nürnberg, 6(Forts. & Nachtr.): 1102) (1912).
- C. scoparius** f. *Andreanus* (Puissant) Zabel in Beissner et al., Handb. Laubh.-Ben. 263 (1903) "(f.)"
- Genista Andreana* Puissant in Rev. Hort. 1886: 372 (1886).
- Sarothamnus scoparius* var. *Andreana* André in Rev. Hort. 1886: 373, in nota (1886).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 291 (1893) "c. a."
- Spartium scoparium* var. *Andreana* Duesberg in Gartenfl. 40: 113, t. 1342 (1891).
- Cytisus scoparius* var. *Andreanus* Dippel, Handb. Laubh. 3: 680 (1893).
- Sarothamnus Andreanus* Chevalier in Bull. Soc. Bot. France, 67: 318 (1921).
- C. scoparius** f. *plenus* Rehder in Jour. Arnold Arb. 3: 34 (1921).
- Cytisus scoparius* 3. *flore pleno* Hort. ex Loudon, Arb. Brit. 2: 595 (1838).
- C. scoparius** var. *prostratus* (C. Bailey) Hanbury ex A. B. Jackson in Gard. Chron. ser. 3, 105: 387, fig. 175 (1939).
- Sarothamnus scoparius* var. *prostratus* C. Bailey in Proc. Manchester Lit. Philos. Soc. 6,6: 49 (1866).
- Cytisus scoparius* var. *pendulus* [Nicholson] in Garden, 42: 189 (1892).—Bean, Trees Shrubs Brit. Isl. 1: 463 (1914).
- Sarothamnus cantabricus* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 263 (1903), pro syn.; non Reichenbach (1869).
- Cytisus grandiflorus* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 948 (1914), pro syn.; non De Candolle (1825).
- Genista prostrata* Hort. ex Rehder, l. c. (1914), pro syn.; non Lamarck [1788].
- Sect. 2. **COROTHAMNUS** (Koch) Nyman, Consp. Fl. Eur. 157 (1878).
- Euteline Rafinesque*, Sylva Tellur. 24 (1838), p. p.
- Genista* sect. *Coroethamnus* Koch in Röhling, Deutschl. Fl. n. ed., 5: 92 (1839).
- Coroethamnus* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 567 (Bot. Bemerk. 137. 1844) (1845).
- Cytisus* sect. *Alburnoides* DC. subsect. *Coroethamnus* Briquet, Étud. Cytis. 158 (1894).
- C. decumbens** (Durande) Spach in Ann. Sci. Nat. Bot. sér. 3, 3: 156 (1845).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 307 (1907).—W. Watson in Bot. Mag. 134: t. 8230 (1908).
- Spartium decumbens* Durande, Fl. Bourgogne, 1: 299 (1782).
- Genista prostrata* Lamarck, Encycl. Méth. Bot. 2: 618 [1788].
- Genista pedunculata* L'Héritier, Stirp. Rar. 184 [1791].
- Genista Halleri* Reyn. ex De Candolle, Prodr. 2: 152 (1825) [L. Reynier, Mém. Serv. Hist. Phys. Nat. Suisse, 1: 211, t. 2 (1788) "Genêt de Haller."].—Briquet, Ét. Cytis. Alp. Marit. 160 (1894), pro syn. sub *C. decumbens*.
- Coroethamnus Halleri* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 567 (Bot. Bemerk. 137. 1844) (1845).
- Cytisus Kitaibelii* Visiani, Fl. Dalmat. 3: 269 (1850), p. p.
- Cytisus decumbens* b. *Halleri* Reichenbach f., Icon. Fl. Germ. Helv. 22: 8, t. 2080, iii, 4–9, iv [1867].
- Genista Kitaibelii* Janka in Természetr. Füzet. 8,2: 60 (1884).
- Cytisus prostratus* Simonkai in Termeszett. Közl. 22: 364 (1888), non Scopoli (1772).
- Euteline decumbens* Rafinesque ex B. D. Jackson, Index Kew. 1: 936 (1893).
- Coroethamnus decumbens* K. Koch, Dendr. 1: 44 (1869), p. p.
- Genista Kitaibelii* Janka in Természetr. Füzet. 8: 62 (1884), p. p.
- Cytisus prostratus* Simonkai in Termeszett. Közl. 22: 364 (1888), non Scopoli (1772).
- C. procumbens** (Willd.) Sprengel, Syst. Veg. 3: 224 (1826).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 306 (1907).
- Genista procumbens* Waldstein & Kitaibel ex Willdenow, Sp. Pl. 3,2: 940 [1803].—Waldstein & Kitaibel, Pl. Rar. Hung. 2: 197, t. 80 (1805).
- Coroethamnus procumbens* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 567 (Bot. Bemerk. 137. 1844) (1845).
- Cytisus Kitaibelii* Visiani, Fl. Dalmat. 3: 269 (1850), p. p.
- Genista profusa* Schur, Enum. Pl. Transsilv. 143 (1866).
- Genista subsecunda* Schur, op. cit. 144 (1866).
- Genista decumbens* c. *procumbens* Reichenbach f., Icon. Fl. Germ. Helv. 22: 8, t. 2076, fig. iii, 6–11 (1867).

**Cytisus procumbens** (continued)

- Corothismus decumbens* K. Koch, Dendr. 1: 44 (1869), p. p.  
*Genista Kitaibelii* Janka in Termeszetr. Füzet. 8: 62 (1884), p. p.
- C. diffusus** (Willd.) Visiani, Fl. Dalmat. 3: 269 (1850).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 309 (1907).  
*Spartium decumbens* sensu Jacquin, Icon. Pl. Rar. 3: 55, t. [1790 ?] non Durande (1782).  
*Genista humifusa* Jacquin, Coll. Bot. 2: 169 (1788), non Linnaeus (1759).  
*Genista diffusa* Willdenow, Sp. Pl. 3,2: 944 [1803].  
*Corothismus diffusus* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 567 (Bot. Bemerk. 137. 1844) (1845).  
*Cytisus diffusus* Visiani, Fl. Dalmat. 3: 269 (1850).  
*Cytisus decumbens* var. *diffusus* Reichenbach f., Icon. Fl. Germ. Helv. 22: 8, t. 2080, fig. i, ii [1867].  
*Cytisus decumbens* var. *humifusus* Cesati et al., Comp. Fl. Ital. 732 (1868).  
*Corothismus decumbens* K. Koch, Dendr. 1: 44 (1869), p. p.  
*Cytisus humifusus* Nyman, Consp. Fl. Eur. 158 (1878).  
*Genista Kitaibelii* Janka in Termeszetr. Füzet. 8: 62 (1884), p. p.  
*Cytisus decumbens* Simonkai in Matern. Természett. Közlem. 22: 364 (1888), non Spach (1845).  
*Genista pedunculata* δ. *glabrata* F. Gérard ex Rouy & Foucaud, Fl. France, 4: 210 (1897).
- Sect. 3. **TRIANTHOCYTISUS** Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 9: (1843).  
*Meiemiaanthera Rafinesque*, Sylva Tellur. 25 (1838).  
*Cytisus* sect. *Eucytisus* Benthams & Hooker f., Gen. Pl. 1: 484 (1867), p. p., non Grisebach (1843).  
*Cytisus* sect. *Emeroides* Ducommun, Taschenb. Schweiz. Bot. 161 (1869).  
*Genista* sect. *Lembotropis* subsect. *Emeroides* Briquet, Études Cytis. 123 (1894).  
*Cytisus* sect. *Alburnoides* DC. subsect. *Meiemiaanthera* Briquet, Études Cytis. 156 (1894).
- C. Ardoini** Fournier in Bull. Soc. Bot. France, 13: 389 (1866).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 305 (1907).  
*Genista Ardoini* Rouy in Rouy & Foucaud, Fl. France, 4: 209 (1897).
- C. kewensis** [*C. Ardoini* × *multiflorus*] Bean in Gard. Chron. ser. 3, 19: 698 (1896) "*C. A.* × *albus*"; Trees Shrubs Brit. Isl. 1: 459 (1914).
- C. Beanii** [*C. Ardoini* × *purgans*] [Nicholson] in Kew, Hand-list Trees Shrubs, ed. 2, 173 (1902) "*C. A.* × *biflorus*", nom. subnud.—Dallimore in Garden, 67: 371 (1905).—Bean, Trees Shrubs Brit. Isl. 1: 457 fig. (1914).
- C. emeriflorus** Reichenbach, Fl. Germ. Excurs. 524 (1832).—Schneider, Ill. Handb. Laubh. 2: 45, fig. 28k, 30l-r (1907).  
*Cytisus glabrescens* Sartorelli, Alb. Indig. Ital. Sup. 282 (1816).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 313 (1907).—Non Schrank (1789).  
*Genista glabrescens* Briquet, Études Cytis. Alp. Marit. 123 (1894).
- Sect. 4. **SPARTOTHAMNUS** (Webb) Schneider, Ill. Handb. Laubh. 2: 43 (1907).  
*Cytisus* sect. *Alburnoides* De Candolle, Mém. Fam. Legum. 6: 213 (1825); Prodr. 2: 153 (1825), p. p.

*Spartocytisus* sect. *Spartothamnus* Webb in Webb & Berthelot, Phytog. Canar. 2,2: 45 [1842].

*Spartotamnus* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 568 (Bot. Bemerk. 138. 1844) (1845), sphalm. pro *Spartothamnus*.

*Drymospartum* Presl in op. cit. 567 (p. 137. 1844) (1845).

*Cytisus* sect. *Alburnoides* subsect. *Spartothamnus* Briquet, Étud. Cytis. 153 (1894).

- C. multiflorus** (Ait.) Sweet, Hort. Brit. 112 (1827).—Briquet, Études Cytis. 154 (1894).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 300 (1907).  
*Genista alba* Lamarck, Encycl. Méth. Bot. 2: 622 [1788], non *C. albus* Hacquet (1790).  
*Spartium multiflorum* Aiton, Hort. Kew. 1: 21 (1789).  
*Spartium dispernum* Moench, Meth. Pl. 130 (1794).  
*Spartium album* Desfontaines, Fl. Atlant. 2: 132 [1798].  
*Cytisus albus* Link, Enum. Hort. Berol. 2: 241 (1822).—Schneider, Ill. Handb. Laubh. 2: 43, fig. 29a-f (1907).—Non Hacquet (1790).  
*Spartotamnus albus* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 568 (Bot. Bemerk. 138. 1844) (1845).  
*Genista multiflora* Spach in Ann. Sci. Nat. Bot. sér. 3, 3: 155 (1845).  
*Sarothamnus parviflorus* Willkomm & Cutanda ex Willkomm in Linnaea, 30: 95 (Pugill. Pl. Nov.) (1859).  
*Spartocytisus albus* K. Koch, Dendr. 1: 31 (1869).  
*Cytisus Linkii* Janka in Termeszetr. Füzet. 8: 70 (1884).  
*Cytisus lusitanicus* Willkomm, Suppl. Prodr. Fl. Hisp. 256 (1893).

- C. multiflorus** f. *incarnatus* (Loddig.), grad. nov.  
*Spartium multiflorum incarnatum* Loddiges, Bot. Cab. 11: t. 1052 (1825).  
*Cytisus albus* var. *incarnatus* Sweet, Hort. Brit. ed. 3, 156 (1839).  
*Cytisus incarnatus* K. Koch, Dendr. 1: 32 (1869), pro syn.—Carrière in Rev. Hort. 1872: 360 (1872).  
*Cytisus multiflorus* b. *incarnatus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 301 (1907).
- C. praecox** [*C. multiflorus* × *purgans*] J. W. B[ean] in Gard. Chron. ser. 3, 21: 301 (1897) "*albus* × *purgans*".—Zabel in Gartenwelt, 3: 219, fig. (1899).—Schneider, Ill. Handb. Laubh. 2: 44 (1907).  
*Genista praecox* Ellacombe in Garden, 21: 311 (1882), nom.  
*Cytisus praecox* Hort. ex Kew Bull. 1892(App. 1.): 24 (1892), nom.  
*Cytisus multiflorus* × *purgans* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 302 (1907).

- C. praecox** f. *albus* (Th. Sm.), grad. nov.  
*Cytisus praecox albus* Th. Smith in Garden, 75: 192, fig. (1911).

- C. praecox** f. *luteus* (Th. Smith), grad. nov.  
*Cytisus praecox luteus* Th. Smith, l. c. (1911).

- C. Dallimorei** (*C. multiflorus* × *scoparius Andreanus*) Rolfe in Gard. Chron. ser. 3, 47: 397 (1910).—Bean in Bot. Mag. 139: t. 8482 (1913).  
*Cyothamnus Dallimorei* Schneider in Silva Tarouca & Schneider, Uns. Freiland-Laubgeh. ed. 2, 174, 461 (1922).

- C. purgans** (L.) Spach in Ann. Sci. Nat. Bot. sér. 3, 3: 156 (1845).—Willkomm in Willkomm & Lange, Prodr. Fl. Hisp. 3: 456 (1880).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 301 (1907).

- Genista purgans* Linnaeus, Syst. Nat. ed. 10, 1157 (1759).  
*Spartium purgans* Linnaeus, Syst. Nat. ed. 12, 2: 474 (1767).  
*Drymospartum purgans* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 568 (Bot. Bemerk. 138. 1844) (1845).  
*Sarothamnus purgans* Godron in Godron & Grenier, Fl. France, 1: 349 (1848).  
*Spartocytisus purgans* Webb ex Willkomm & Lange, Prodr. Fl. Hisp. 3: 457 (1880), pro syn.  
*Cytisus purgans* a. var. *genuina* Briquet, Études Cytis. 155 (1894).  
*Genista purgans* var. *genuina* Rouy & Foucaud, Fl. France, 4: 206 (1897).
- Sect. 5. PHYLLOCYTISUS Koch, Syn. Fl. Germ. Helv. 155 (1837).  
*Lembotropis* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 10 (1843).  
*Cytisophyllum* Lang in Flora, 26: 770 (1843).  
*Cytisus* sect. *Lembotropis* Benth. & Hooker f., Gen. Pl. 1: 484 (1865).  
*Cytisus* sect. *Eucytisus* Benth. l. c. (1865), p. p., non Grisebach, (1843).  
*Phyllocytisus* Fourreau in Ann. Soc. Linn. Lyon, 17: 358 (1868).  
*Cytisus* sect. *Alburnoides* subsect. *Phyllocytisus* Briquet, Études Cytis. 155 (1894).
- C. sessilifolius** Linnaeus, Sp. Pl. 739 (1753). — Briquet, Études Cytis. 156 (1894). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 302 (1907).  
*Cytisus sessilis* Miller, Gard. Dict. ed. 8, C. no. 4 (1768) "sessilibus."  
*Cytisus glaber* β. *Lamarck*, Fl. Franç. 2: 621 (1778).  
*Cytisus Lobelii* Tausch in Flora, 21: 739 (1838).  
*Cytisus Tabernaemontani* Scheele in Flora, 26: 438 (1843).  
*Cytisophyllum sessilifolium* Lang in Flora, 26: 770 (1843).  
*Spartotamnus sessilifolius* Presl in Abh. Böhm. Ges. Wiss. sér. 5, 3: 568 (Bot. Bemerk. 138. 1844) (1845).  
*Phyllocytisus sessilifolius* Fourreau in Ann. Soc. Linn. Lyon, 17: 358 (1868).  
*Spartocytisus sessilifolius* Webb ex K. Koch, Dendr. 1: 22 (1869).
- C. sessilifolius** f. *leucanthus* [Dipp.] Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903) "(f.)"  
*Cytisus Lobelii* Tausch in Flora, 21: 739 (1838).  
*Cytisus sessilifolius leucanthus* hort. ex Dippel, Handb. Laubh. 3: 677 (1893).  
*Cytisus sessilifolius* var. *Lobelii* Koehne, Herb. Dendr. no. 264 ex Schneider, Ill. Handb. Laubh. 2: 46 (1907), pro syn.
- C. nigricans** Linnaeus, Sp. Pl. 739 (1753). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 310 (1907).  
*Cytisus glaber* Lamarck, Fl. Franç. 2: 621 (1778).  
*Cytisus virgatus* Salisbury, Prodr. Stirp. Chap. Allert. 330 (1796).  
*Genista nigricans* Scheele in Flora, 26: 438 (1843).  
*Lembotropis nigricans* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 10 (1843).  
*Cytisus unibracteatus* Lindemann in Bull. Soc. Nat. Moscou, 23,2: 471 (Prodr. Fl. Tschernigov. 28) (1850).  
*Cytisus nigricans* a. *typica* Beck, Fl. Nieder-Öster. 831 (1892).  
*Genista nigricans* a. var. *genuina* Briquet, Études Cytis. 122 (1894).  
*Cytisus nigricans* 1. *genuina* Pospichal, Fl. Oester. Küstenl. 2: 348 (1898).
- C. nigricans** f. *elongatus* [Willd.] Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903) "(f.)"  
*Cytisus nigricans* β. *elongatus* Willdenow, Berlin. Baumz. 93 (1796). — Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 931 (1803) "[var.] *C. elongatus*."  
*Cytisus nigricans longispicata* Hort. ex Carrière in Rev. Hort. 1866: 338 (1866).  
*Cytisus spicatus* hort. ex K. Koch, Dendr. 1: 21 (1869), pro syn.  
*Lembotropis nigricans Carlieri* Carrière in Rev. Hort. 1891: 149, fig. 39 (1891).  
*Cytisus nigricans* β. *comosa* Beck, Fl. Nieder-Öster. 831 (1892).  
*Cytisus nigricans* (f.) *Carlieri* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903).  
*Cytisus longispicatus* hort. ex Zabel, l. c. (1903), pro syn.
- Sect. 6. TUBOCYTISUS De Candolle, Mém. Fam. Légum. 6: 214 (1825); Prodr. 2: 155 (1825). — Benth. in Benth. & Hooker f., Gen. Pl. 1: 484 (1865).  
*Viborgia* Moench, Meth. Pl. 132 (1794).  
*Chamaecytisus* Link, Handb. Erkenn. Gew. 2: 154 (1831).  
*Diadelphus* Rafinesque, Sylva Tellur. 24 (1838), p. p.  
*Aulonix* Rafinesque in op. cit. 25 (1838).  
*Cytisus* sect. 1. *Eucytisus* Grisebach, Spicil. Fl. Rumel. Bithyn. 1: 7 (1843).  
*Tubocytisus* Fourreau in Ann. Soc. Linn. Lyon, 17: 358 (1868).  
*Cytisus* sect. *Wiborgia* Briquet, Études Cytis. 161 (1894).
- C. supinus** Linnaeus, Sp. Pl. 1042 (1753), excl. var. β. — Briquet, Études Cytis. 173 (1894), sensu lato, cum syn. multis. — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 327 (1907).  
*Cytisus capitatus* Scopoli, Fl. Carniol. 2: 70 (1772).  
*Viborgia supina* Moench, Meth. Pl. 132 (1794).  
*Chamaecytisus supinus* Link, Handb. Erkenn. Gew. 2: 155 (1831).  
*Genista supina* Scheele in Flora, 26: 438 (1843).  
*Cytisus Kernerii* Schulzer von Müggenburg, Kanitz & Knapp in Verh. Zool.-Bot. Ges. Wien, 16: 160 (Bish. Bek. Pfl. Slavon.) (1866).  
*Tubocytisus supinus* Fourreau in Ann. Soc. Linn. Lyon, 17: 358 (1868).  
*Cytisus supinus* subsp. *supinus* p. var. *genuinus* Briquet, Études Cytis. 179 (1894).
- C. austriacus** Linnaeus, Sp. Pl. ed. 2, 1041 (1763). — Schneider, Ill. Handb. Laubh. 2: 55, fig. 33i, 34i-o (1907). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 330 (1907).  
*Chamaecytisus austriacus* Link, Handb. Erkenn. Gew. 2: 155 (1831).  
*Genista austriaca* Scheele in Flora, 26: 438 (1843).  
*Cytisus austriacus* var. *argenteus* Neilreich, Fl. Wien, 640 (1846).  
*Cytisus leucanthus* var. *austriaca* Schur in Verh. Siebenbürg. Ver. Naturw. 4(Sert. Fl. Transsilv.): 17, no. 649 (1853).  
*Cytisus argenteus* sensu Dietl in Oester. Bot. Wochenbl. 3: 411 (1853), nom.; non Linnaeus (1753).  
*Cytisus austriacus* var. *luteus* Neilreich, Aufzähl. Ungarn Slavon. Gefässpfl. 330 (1866).  
*Cytisus Kernerii* var. *austriaca* Kanitz in Schulzer von Müggenburg, Kanitz & Knapp in Verh. Zool. Bot. Ges. Wien, 16: 160 (Bish. Bek. Pfl. Slavon.) (1866).  
*Cytisus austriacus* a. *aureus* Reichenbach f., Icon. Fl. Germ. Helv. 22: 12, t. 2078, fig. 1-II, 1-3 [1867?].  
*Viborgia austriaca* Moench ex K. Koch, Dendr. 1: 23 (1869), pro syn.

**Cytisus austriacus** (continued)

- Cytisus supinus* subsp. *austriacus* e. var. *austriacus* Briquet, Études Cytis. 175 (1894).
- C. austriacus** var. **Heuffelii** [Griseb. & Schenk] Schneider, Ill. Handb. Laubh. 2: 55 (1907) "*Heuffeli*."
- Cytisus Heuffelii* Wierzbicki ex Grisebach & Schenk in Arch. Naturgesch. (Wiegmann) 18: 293 (1852). — Podpěra in Verh. Zool.-Bot. Ges. Wien, 52: 645 (1902) "*Heuffeli*".
- Cytisus leucanthus* var. *a. capitata* Schur in Verh. Siebenbürg. Ver. Naturw. 4 (Sert. Fl. Transsilv.): 17, no. 649 (1853); Enum. Pl. Transsilv. 147 (1866), pro syn.
- Cytisus supinus* subsp. *austriacus* η. var. *Heuffelii* Briquet, Études Cytis. 176 (1894).
- C. austriacus** var. **virescens** Kovacs ex Neilreich, Fl. Wien, 640 (1846) "β."
- Cytisus austriacus* a. *latifolia* Schur in Verh. Siebenbürg. Ver. Naturwiss. 4 (Sert. Fl. Transsilv.): 17, no. 648 (1853).
- Cytisus austriacus* × *capitatus* Neilreich, Fl. Nieder-Oester. 938 (1859).
- Cytisus virescens* Kerner, Abhäng. Pflanzengest. 8 (1859).
- Cytisus ambiguus* Schur, Enum. Pl. Transsilv. 147 (1866).
- Cytisus supinus* subsp. *austriacus* ι. var. *virescens* Briquet, Études Cytis. 177 (1894), non *C. s. a. v.* Wimmer & Grabowski (1829).
- Cytisus supinus* var. *Kovacsii* Briquet, op. cit. [203] (1894).
- C. albus** Hacquet, Reise Dac. Sarm. Karp. 1: 49 (1790). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 328 (1907). — Kreczetowicz in Bot. Jour. U. R. S. S. 25: 256 (1940).
- Cytisus leucanthus* Waldstein & Kitaibel, Icon. Descr. Pl. Rar. Hung. 2: 141, t. 132 (1805).
- Chamaecytisus leucanthus* Link, Handb. Erkenn. Gew. 154 (1831).
- Cytisus austriacus* β. *leucanthus* Ledebour, Fl. Ross. 1: 519 [1843].
- Cytisus austriacus* var. *albus* Neilreich, Aufzähl. Ungarn. Slavon. Pfl. 330 (1866).
- ?*Cytisus obvallatus* Schur, Enum. Pl. Transsilv. 147 (1866).
- Cytisus variabilis* sensu Paczoski in Act. Hort. Bot. Univ. Jurjev. 15: 99 (1914), p. p.; non Błocki (1884).
- Cytisus leucanthus* var. *schipkaensis* Dippel, Handb. Laubh. 3: 683 (1893).
- Cytisus supinus* subsp. *albus* a. var. *albus* Briquet, Études Cytis. 173 (1894).
- C. albus** f. **durus** [Bonard] Zabel in Beissner et al., Handb. Laubh.-Ben. 264 (1903) "(f.)."
- Spartocytisus albus durus* Bonard in Hortic. Franç. 1872: 350 (1872), sphalm. "*Spartocystus*". — Cf. K. Koch, Dendr. 1: 32 (1869).
- Cytisus albus* var. *durus* Simon-Louis ex Jouin in Mitt. Deutsch. Dendr. Ges. 1908(17): 195 (1908). — Schneider, Ill. Handb. Laubh. 2: 1009 (1912).
- C. albus** var. **pallidus** (DC.) Rehder in Jour. Arnold Arb. 3: 36 (1921).
- Cytisus leucanthus* β. *pallidus* Schrader ex De Candolle, Prodr. 2: 155 (1825).
- Cytisus banaticus* Grisebach & Schenk in Arch. Naturgesch. (Wiegmann) 18: 292 (1852).
- Cytisus austriacus* var. *pallidus* Neilreich, Aufzähl. Ungarn Slavon. Pfl. 330 (1866).
- Cytisus pallidus* Kerner, Abhäng. Pflanzengest. 6 (1869).
- Simonkai, Enum. Fl. Transsilv. 171 (1886). — Non Poiret (1811).
- Cytisus variabilis* Błocki in Oester. Bot. Zeitschr. 34: 427 (1884), p. p.
- Cytisus supinus* subsp. *pallidus* γ. var. *pallidus* Briquet, Études Cytis. 174 (1894).
- Cytisus supinus* [subsp.] π.β. *C. pallidus* a. *Banaticus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 329 (1907).
- C. Rochelii** Wierzbicki ex Grisebach & Schenk in Arch. Naturgesch. (Wiegmann) 18: 293 (1852). — Schneider, Ill. Handb. Laubh. 2: 57, fig. 33g (1907).
- Cytisus leucanthus* b. *obscurus* Rochel, Pl. Banat. Rar. 50, t. 13, fig. 29 (1828).
- Cytisus leucanthus* var. *d. aurantiacus glabriusculus* Schur in Verh. Siebenbürg. Ver. Naturwiss. 4 (Sert. Fl. Transsilv.): 17, no. 649 (1853).
- Cytisus obscurus* Rochel ex Schur l. c. (1853), pro syn.
- Cytisus austriacus* b. *major* Rochel ex Heuffel in Verh. Zool.-Bot. Ges. Wien, 8: 86 (Enum. Pl. Banat. Temes. 50) (1858), pro syn.
- Cytisus propinquus* Schur, Enum. Pl. Transsilv. 147 (1866), pro syn.
- Cytisus supinus* subsp. *pallidus* δ. var. *obscurus* Briquet, Études Cytis. 175 (1894).
- C. hirsutus** Linnaeus, Sp. Pl. 739 (1753). — Briquet, Études Cytis. 166 (1894), sensu lato. — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 317 (1907).
- ?*Cytisus prostratus* Scopoli, Fl. Carniol. 2: 70 (1772), p. p.
- ?*Cytisus pilosus* Pallas, Reise Prov. Russ. Reich. 2: 255 (1773), nom.
- Cytisus triflorus* Lamarck, Encycl. Méth. Bot. 2: 250 (1786).
- Viborgia hirsuta* Moench, Meth. Pl. 132 (1794), sensu lat.
- ?*Cytisus Tournefortianus* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 135 [1812].
- ?*Cytisus virgatus* Vest in Syll. Pl. Nov. Soc. Bot. Ratisb. 1: 23 (1824).
- ?*Cytisus supinus* a. *virescens* Wimmer & Grabowski, Fl. Siles. 2,2: 50 (1829).
- Chamaecytisus hirsutus* Link, Handb. Erkenn. Gew. 2: 155 (1831).
- Cytisus Lamarckii* Tenore, Syll. Fl. Neap. App. 5: 24 (1842), p. p.
- Cytisus capitatus* subsp. *lateriflorus* Grabowski, Fl. Oberschles. 205 (1843).
- Genista polytricha* Scheele in Flora, 26: 438 (1843), non *Cytisus polytrichus* Bieberstein (1819).
- Cytisus capitatus* var. *lateralis* Neilreich, Fl. Nieder-Oester. 927 (1859).
- Cytisus hirsutus* var. *leucotrichus* Schur in Verh. Siebenbürg. Ver. Naturw. 10: 60 (1859); in Oester. Bot. Zeitschr. 10: 79 (1860).
- Cytisus hirsutus* var. Schur, l. c. (1859).
- Cytisus leucotrichus* Schur, l. c. (1860), nom. altern. — Simonkai, Enum. Fl. Transsilv. 172 (1886).
- Cytisus Kernerii* δ. *hirsutus* Kanitz in Schulzer von Mügenburg, Kanitz & Knapp in Verh. Zool.-Bot. Ges. 16: 160 (Bish. Bek. Pfl. Slavon.) (1866).
- Cytisus capitatus* a. *Neilreichii* Reichenbach f., Icon. Fl. Germ. Helv. 22: 13 [1867?].
- Cytisus hirsutus* subsp. *hirsutus* v. var. *genuinus* Briquet, Études Cytis. 170 (1894).
- Cytisus hirsutus* [subsp.] *C. leucotrichus* 1. *genuinus* Ascherson & Graebner Syn. Mitteleur. Fl. 6,2: 317 (1907).



- C. hirsutus** var. **hirsutissimus** (K. Koch) Boissier, Fl. Or. 2: 51 (1872).—Schneider, Ill. Handb. Laubh. 2: 52, fig. 33e (1907).  
*Cytisus Lamarckii* Tenore, Syll. Fl. Neap. App. 5: 24 (1842), p. p.  
*Cytisus hirsutissimus* K. Koch in Linnaea, 19: 62 (1847).—Kreczetowicz in Jour. Bot. U. R. S. S. 25: 261 (1940).  
*Cytisus hirsutus* β. *garganicus* Bertoloni ex Cesati, Passerini & Gibelli, Comp. Fl. Ital. 732 [1880?].  
*Cytisus hirsutus* subsp. *hirsutus* ξ. var. *hirsutissimus* Briquet, Études Cytis. 171 (1894).  
*Cytisus colchicus* Albof, Prodr. Fl. Colch. 53 (1895).
- C. falcatus** [*C. hirsutus* × *ciliatus*] Waldstein & Kitaibel, Descr. Icon. Pl. Rar. Hung. 3: 265, t. 238 (1812).—Briquet, Études Cytis. 170 (1894), pro sp. dubia.—Schneider, Ill. Handb. Laubh. 2: 53 (1907), pro syn.  
*Cytisus hirsutus* f. *C. falcatus* Beck in Ann. Naturh. Hofmus. Wien, 2: 119 (1887); 11: 57 (Fl. Südbosn. Herceg. 1,2: 119; 2: 160) (1896) "β. C. f."  
*Cytisus leucotrichus* × *ciliatus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 321 (1907).
- C. ciliatus** Wahlberg, Fl. Carpat. Princip. 219 (1814).  
*Cytisus scepusiensis* Kitaibel in Linnaea, 32: 609 (1863).  
*Cytisus Kernerii* subvar. *ciliatus* in Ascherson & Kanitz, Cat. Cormoph. Anthoph. Serb. 100 (1877).  
*Cytisus hirsutus* subsp. *ciliatus* var. *ciliatus* Briquet, Études Cytis. 169 (1894).  
*Cytisus ciliatus* 1. *Scepusiensis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 320 (1907).
- C. elongatus** Waldstein & Kitaibel, Descr. Icon. Pl. Rar. Hung. 2: 200, t. 183 (1805).  
*Cytisus elongatus* β. *multiflorus* De Candolle, Prodr. 2: 155 (1825).  
*Cytisus multiflorus* (DC.) Lindley in Bot. Reg. 14: t. 1191 (1828), non Sweet (1827).  
*Chamaecytisus elongatus* Link, Handb. Erkenn. Gew. 2: 155 (1831).  
*Genista elongata* Scheele in Flora, 26: 438 (1843).  
*Cytisus serotinus* Kitaibel in Linnaea, 32: 609 (1863), p. p.  
*Cytisus Kernerii* var. *elongatus* Kanitz in Schulzer von Muggenburg, Kanitz & Knapp in Verh. Zool.-Bot. Ges. Wien, 16: 160 (Bish. Bek. Pfl. Slavon.) (1866).  
*Tubocytisus elongatus* Fourreau in Ann. Soc. Linn. Lyon, 17: 358 (1868).  
*Cytisus ratisbonensis* var. (*C. elongata* Waldst. & Kit.) K. Koch, Dendr. 1: 27 (1869).  
*Cytisus capitatus* a.a. *lateralis* b. *elongatus* Reichenbach f., Icon. Fl. Germ. Helv. 22: 13, t. 2073 [1869] "*C. supinus* et *C. elongatus*" in tab.  
*Cytisus hirsutus* subsp. *elongatus* δ. var. *elongatus* Briquet, Études Cytis. 168 (1894).  
*Cytisus hirsutus* subsp. *C. elongatus* 1. *typicus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 325 (1907).
- C. cetius** (*C. hirsutus* × *ratisbonensis*) Beck, Fl. Nieder-Öster. 833 (1892).—Briquet, Études Cytis. [203] (1894).  
*Cytisus leucotrichus* × *Ratisbonensis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 326 (1907).
- C. leiocarpus** Kerner in Oester. Bot. Zeitschr. 8: 90 (1863).—Schneider, Ill. Handb. Laubh. 2: 50 (1907).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 322 (1907) "*liocarpus*."  
*Cytisus hirsutus* subsp. *leiocarpus* Briquet ξ. var. *leiocarpus* Briquet, Études Cytis. 169 (1894).
- C. ratisbonensis** Schaeffer, Bot. Exped. t. opp. p. 1 (1760), sine descript.—Schneider, Ill. Handb. Laubh. 2: 50, fig. 32k-o, 33a-b (1907).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 324 (1907).—Kreczetowicz in Jour. Bot. U. R. S. S. 25: 260 (1940).  
*Cytisus supinus* β. *Linnaeus*, Sp. Pl. 1042 (1753).  
*Cytisus pubescens* Gilibert, Fl. Lithuan. 4: 81 (1781); Exerc. Phytol. 1: 249 (1792).  
*Cytisus Lithuanicus* Gilbert, Hist. Pl. Eur. 2: 275 (1798).  
*Cytisus ruthenicus* [F. E. L. von Fischer], Ind. Pl. Hort. Petrop. 25 [1824], nom.  
*Cytisus supinus* var. *vulgaris* Wimmer & Grabowski, Fl. Siles. 2,2: 50 (1829).  
? *Cytisus biflorus* var. *umbrosus* Neilreich, Fl. Wien, 642 (1846).  
*Cytisus hirsutus* subsp. *ratisbonensis* d. var. *ratisbonensis* Briquet, Études Cytis. 167 (1894).  
*Cytisus biflorus* β. *minor* Schmalhausen, Fl. Sredn. Iuzhn. Ross. 1: 219 (1895).  
*Cytisus ratisbonensis* var. *typicus* Schneider, Ill. Handb. Laubh. 2: 51 (1907).  
*Cytisus ratisbonensis* 1. *vulgaris* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 324 (1907).
- C. ratisbonensis** var. **biflorus** (L'Hérit.) Schneider, Ill. Handb. Laubh. 2: 51, fig. 32p-q<sup>2</sup>, 33c (1907).  
*Cytisus biflorus* L'Héritier, Stirp. Nov. 183 [1791].—De Candolle, Prodr. 2: 155 (1825), p. p.  
*Cytisus macrospermus* Besser ex De Candolle, l. c. (1825), pro syn.  
*Cytisus supinus* var. *microphyllus* Wimmer & Grabowski, Fl. Siles. 2,2: 50 (1829).  
*Chamaecytisus biflorus* Link, Handb. Erkenn. Gew. 2: 154 (1831).  
*Cytisus cinereus* Host, Fl. Austr. 2: 333 (1831).  
*Aulonix biflorus* Rafinesque, Sylva Tellur. 25 [1838].  
*Genista Jacquiniana* Scheele in Flora, 26: 438 (1843).  
*Cytisus biflorus* var. *collinus* Neilreich, Fl. Wien, 642 (1846).  
*Tubocytisus biflorus* Fourreau in Ann. Soc. Linn. Lyon, 17: 358 (1868).  
*Cytisus collinus* Schur in Verh. Naturf. Ver. Brünn, 15,2: 169 (1877).  
*Cytisus ratisbonensis* (f.) *biflorus* Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903).
- C. purpureus** Scopoli, Fl. Carniol. ed. 2, 2: 905 (1762).—Briquet, Études Cytis. 165 (1894).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 316 (1907).  
*Viborgia purpurea* Moench, Meth. Pl. Suppl. 43 (1802).  
*Chamaecytisus purpureus* Link, Handb. Erkenn. Gew. 2: 157 (1831).  
*Genista purpurea* Scheele in Flora, 26: 438 (1843).
- C. purpureus** f. **albus** [Sweet] Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 316 (1907) "lus."  
*Cytisus purpureus* β. *albus* Sweet, Hort. Brit. 1: 112 (1826).—Kirchner in Petzold & Kirchner, Arb. Muscav. 395 (1864).  
*Cytisus purpureus* β. *albiflorus* G. Don, Gen. Syst. Dichlam. Pl. 2: 156 (1832).
- C. purpureus** f. **albo-carneus** [Kirchn.] Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903).—Schneider, Ill. Handb. Laubh. 2: 50 (1907).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 316 (1907) "lus."  
*Cytisus purpureus* β. *roseus* Endlicher, Cat. Hort. Vindob. 2: 472 (1843), nom.

**Cytisus purpureus f. albo-carneus** (continued)

*Cytisus purpureus* f. *albo-carneus* Kirchner in Petzold & Kirchner, Arb. Muscav. 395 (1864).

?*Cytisus purpureus albo-purpureus* André in Ill. Hort. 19: 171 (1872).

*Cytisus purpureus* var. *carneus* hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 441 (1900).

**C. purpureus f. atropurpureus** [Jäg.] Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903).

*Cytisus purpureus* var. *atropurpureus* Jäger, Ziergeh. 206 (1865).

*Cytisus aeolicus* hort. ex K. Koch, Dendr. 1: 27 (1869), pro syn.; non Gussone (1832-43).

*Cytisus purpureus* lus. *aeolicus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 316 (1907).

**C. purpureus f. erectus** [Jäger] Schneider, Ill. Handb. Laubh. 2: 49 (1907).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 316 (1907) "lus."

*Cytisus purpureus* f. *erectus* Hort. ex K. Koch, Hort. Dendr. 251 (1853), nom.—Kirchner in Petzold & Kirchner, Arb. Muscav. 395 (1864), nom.—Jäger, Ziergeh. 206 (1865) "var."—Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903) "(f.)"; nom.

**C. purpureus f. elongatus** (André), grad. nov.

*Cytisus purpureus elongatus* André in Ill. Hort. 19: 171 (1872).

*Cytisus purpureus* (f.) *pendula* Dippel, Handb. Laubh. 3: 681 (1893).—Schneider, Ill. Handb. Laubh. 2: 49 (1907) "f."

**C. versicolor** (*C. hirsutus* × *purpureus*) [Kirchn.] Dippel, Handb. Laubh. 3: 681 (1893).—Briquet, Études Cytis. 165, in obs. (1894) "*C. p.* × *hirsutus* var. *ratibonensis*."—Zabel in Beissner et al., Handb. Laubh.-Ben. 265 (1903) "*C. elongatus* × *purpureus*."—Schneider, Ill. Handb. Laubh. 2: 50 (1907) "*C. purpureus* × ? *elongatus*."

*Cytisus purpureus elongatus versicolor* Kirchner in Petzold & Kirchner, Arb. Muscav. 395 (1864).

*Cytisus ratibonensis* var. *purpurascens* K. Koch, Dendr. 1: 27 (1869).

*Cytisus hirsutus* × *purpureus* Koehne, Deutsche Dendr. 332 (1893).

**C. versicolor f. Hillieri** (Hillier) Rehder in Jour. Arnold Arb. 20: 415 (1939).

*Cytisus Hillieri* Hillier & Sons, Spec. Offer Trees Shrubs, 11 (1933) "*C. versicolor* × *hirsutus* *hirsutissimus*."

**ULEX** Linnaeus, Sp. Pl. 741 (1753); Gen. Pl. ed. 5, 329, no. 786 (1754).—Bentham & Hooker f., Gen. Pl. 1: 483 (1865).

*Stauracanthus* Link in Neu. Jour. für Bot. (Schrader), 2,2: 52 (1808).

*Nepa* Webb, Otia Hisp. 28 (1839); in Ann. Sci. Nat. Bot. sér. 3, 17: 286 (1852).

*Leonhardia* Opiz in Lotos Zeitschr. Naturwiss. 7: 88 (1857).

*Ulex* sect. *Euulex* Willkomm in Willkomm & Lange, Prodr. Fl. Hisp. 3: 443 (1877).

Typus: *U. europaeus* L.

**U. europaeus** Linnaeus, Sp. Pl. 241 (1753).—Rikli in Ber. Schweiz. Bot. Ges. 8: 4 (1898).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 284 (1907).

*Ulex grandiflorus* Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 333 (1788).

*Ulex compositus* Moench, Meth. Pl. 289 (1794).

*Ulex floridus* Salisbury, Prodr. Stirp. Chap. Allert. 329 (1796).

*Ulex vernalis* Thore, Ess. Chlor. Landes, 299 (1803).

*Ulex major* Thore, l. c. (1803).

*Ulex opistholepis* Webb in Ann. Sci. Nat. sér. 3, 17: 291 (1852).

*Ulex armoricanus* Mabilley in Act. Soc. Linn. Bordeaux, 25: 524 (1864).

*Ulex europaeus* a. *genuinus* Rouy & Foucaud, Fl. France, 4: 241 (1897).

*Ulex europaeus* var. *typicus* Schneider, Ill. Handb. Laubh. 2: 58 (1907).

**U. europaeus f. plenus** Schneider, Ill. Handb. Laubh. 2: 58 (1907).—Rehder in Bailey, Stand. Cycl. Hort. 6: 3408 (1917) "var."

*Ulex europaeus* β. *flore-pleno* G. Don, Gen. Hist. Dichlam. Pl. 2: 148 (1832).—Loudon, Arb. Brit. 2: 271 (1838) "var."

**U. europaeus var. strictus** (Mackay) Webb, Otia Hisp. 33 (1839).

*Ulex strictus* Mackay in Trans. Roy. Irish Acad. 14: 166 (1824).

*Ulex hibernicus* G. Don ex Loudon, Hort. Brit. 280 (1830), nom.—G. Don, Gen. Hist. Dichlam. Pl. 2: 148 (1832).

*Ulex fastigiatus* Hort. ex K. Koch, Hort. Dendr. 256 (1853).

**U. Gallii** Planchon in Ann. Sci. Nat. Bot. sér. 3, 11: 202, t. 19 (1849); in Fl. des Serr. 5: 441g, fig. (1849).—Schneider, Ill. Handb. Laubh. 2: 59 (1907) "Galli."

*Ulex intermedius* Le Gall in Mém. Congr. Scientif. France, 16,1: 139 (1849); Fl. Morbihan, 815 (1852), pro syn.

*Ulex provincialis* sensu Le Gall, Fl. Morbihan, 128 (1852), non Loiseleur (1810).

*Ulex autumnalis* Bubani Sched. Crit. ex Rouy & Foucaud, Fl. France, 4: 242 (1887), pro syn.; non Thore (1803).

*Ulex europaeus* subsp. *Galli* Rouy ex Schneider, Ill. Handb. Laubh. 2: 59 (1907).

*Ulex europaeus* × *nanus* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 288 (1907), non Rouy & Foucaud (1897).

**U. nanus** T. F. Forster jr. ex Symons, Syn. Fl. Brit. 160 (1798).—Smith, Fl. Brit. 2: 757 (1800).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 286 (1907).

*Ulex europaeus* β. *Linnaeus*, Sp. Pl. 241 (1753).

*Ulex minor* Roth, Catalect. Bot. 1: 83 (1797).

*Ulex autumnalis* Thore, Ess. Chlor. Landes, 299 (1803).

*Ulex nanus* a. *typicalis* Babington in Ann. Mag. Nat. Hist. 5: 302 (1840).

*Ulex spicatus* Gandoger, Fl. Lyon. 70 (1875).—Nyman, Consp. Fl. Eur. 148 (1878).

*Ulex nanus* a. *genuinus* Rouy & Foucaud, Fl. France, 4: 244 (1897).

**U. parviflorus** Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 334 (1788).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 287 (1907).

*Ulex australis* Roxas Clemente, Ensayo Var. Vid, 291 (1807).

*Ulex parviflorus* a. *genuinus* Rouy & Foucaud, Fl. France, 4: 245 (1897).

**U. parviflorus var. tenuior** Rouy & Foucaud, l. c. (1897) "γ."

*Ulex provincialis* Loiseleur in Jour. de Bot. (Soc. Bot.)

2: 361, t. 13, fig. 2 (1809); Notice Pl. Fl. France, 105, t. 6, fig. 2 (1810).

*Ulex parviflorus* B. *provincialis* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 287 (1907).—Rehder, Man. Cult. Trees Shrubs, 498 (1927) "var."

Trib. 4. TRIFOLIEAE Bronn, Form. Pl. Legum. 132 (1822).—De Candolle, Prodr. 2: 171 (1825).—Taubert in Nat. Pflanzenfam. III. 3: 186, 240 [1892–3].

*Papilionaceae* A. *Loteae* a. *Trifolieae* Reichenbach, Consp. Reg. Veg. 148 (1829), nom. subnud.; Handb. Nat. Pflanzensyst. 226 (1837), p. p. typ.

*Papilionaceae* subfam. *Lotoideae* c. *Trifolieae* Luerssen, Grundzüge Bot. 380 (1877), p. p. typ.

**ONONIS** Linnaeus, Sp. Pl. 718 (1753); Gen. Pl. ed. 5, 321, no. 772 (1754).—Bentham & Hooker f., Gen. Pl. 1: 485 (1865).—Širjaev in Bot. Centralbl. Beih. 44,1: 381–666, t. 6–10 (Gen. Ononis. Rev. Crit.) (1932).

*Anonis* Adanson, Fam. Pl. 2: 323 (1763).

*Bonaga* Medicus in Vorles. Kurpfälz. Phys.-Oekon. Ges. 2: 354 (1787); Phil. Bot. 206 (1789).

*Natrix* Moench, Meth. Pl. 158 (1794).

LECTOTYPUS: *O. spinosa* L.

**O. fruticosa** Linnaeus, Sp. Pl. 718 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 375 (1907).

**O. aragonensis** Asso, Syn. Stirp. Arag. 96, t. 6, fig. 2 (1779).—Ascherson & Graebner, op. cit. 376 (1907) "*Arragonensis*."

*Ononis dumosa* Lapeyrouse, Hist. Abr. Pl. Pyrén. 410 (1813).

**O. rotundifolia** Linnaeus, Sp. Pl. 719 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 374 (1907).

*Ononis* no. 676, Asso, Syn. Stirp. Arag. 97 (1779); *O. latifolia* Asso, Mant. Stirp. Arag. 183, t. 11, fig. 1 (1781).

*Natrix rotundifolia* Moench, Meth. Pl. 159 (1794).

*Ononis rotundifolia* a. *genuina* Rouy & Foucaud, Fl. France, 4: 253 (1897).

**MEDICAGO** Linnaeus, Sp. Pl. 778 (1753); Gen. Pl. ed. 5, 339, no. 805 (1754).—Bentham & Hooker f., Gen. Pl. 1: 487 (1865).

LECTOTYPUS: *M. sativa* L.

**M. cretacea** Bieberstein, Fl. Taur.-Caucas. 2: 223 (1808).—Ledebour, Fl. Ross. 1: 523 [1843].

Trib. 5. LOTEAE De Candolle, Prodr. 2: 115 (1825), p. p. typ.—Bentham & Hooker f., Gen. Pl. 1: 442 (1865).—Taubert in Nat. Pflanzenfam. III. 3: 186, 254 (1892).

*Papilionaceae* A. *Loteae* Reichenbach, Consp. Reg. Veg. 148 (1828), p. p. typ.; nom. subnud.

*Papilionaceae* subfam. *Lotoideae* b. *Anthyllideae* et c. *Trifolieae* Luerssen, Grundzüge Bot. 38 (1877), p. p.

**ANTHYLLIS** Linnaeus, Sp. Pl. 719 (1753); Gen. Pl. ed. 5, 321, no. 773 (1754).—Bentham & Hooker f., Gen. Pl. 1: 488 (1865).

*Barba jovis* Adanson, Fam. Pl. 2: 321 (1763).

*Tripodion* Medicus in Vorles. Kurpfälz. Physik.-Oekon. Ges. 2: 348 (1787).

*Zenopogon* Link, Handb. Erkenn. Gew. 2: 481 (1831).

*Pogonitis* Reichenbach, Handb. Nat. Pflanzensyst. 1: 226 (1837), nom.

*Fakeloba* Rafinesque, Sylva Tellur. 69 (1838).

*Acanthyllis* Pomel, Nouv. Mat. Fl. Atlant. 179 (1874).

LECTOTYPUS: *A. Vulneraria* L.

**A. Hermanniae** Linnaeus, Sp. Pl. 720 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 641 (1908).

*Cytisus graecus* Linnaeus, Sp. Pl. 740 (1753).

*Anthyllis Hermanniae* a. *genuina* Rouy & Foucaud, Fl. France, 4: 281 (1897).

**A. Hermanniae** var. **Aspalathi** (DC.) Rouy & Foucaud, l. c. (1897) "β."

*Aspalathus cretica* Linnaeus, Sp. Pl. 712 (1753).

*Anthyllis Aspalathi* De Candolle, Prodr. 2: 169 (1825).

*Anthyllis spiniflora* L'Héritier ex Rouy & Foucaud, Fl. France, 4: 281 (1897), pro syn.

*Anthyllis Hermanniae* b. *Cretica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 641 (1908).

**DORYCNIUM** Adanson, Fam. Pl. 2: 323 (1763).—Villars, Hist. Pl. Dauph. 3: 416 (1789).—Bentham & Hooker f., Gen. Pl. 1: 490 (1865).—Rikli in Bot. Jahrb. 31: 314–402, t. 7–10 (1901).

*Lotus* Linnaeus, Sp. Pl. 773 (1753), p. p.

*Dorycnium* Brongniart, Enum. Genr. Pl. 128 (1843).

*Ortholotus* Fourreau in Ann. Soc. Linn. Lyon, n. sér., 16: 363 (1868).

*Bonjeanea* Reichenbach, Fl. Germ. Excurs. 2: 507 (1832); Iconogr. Bot. 10: 32 (1832) "*Bonjeania*."

*Dorycnium* sect. *Eudorycnium* Boissier, Fl. Or. 2: 161 (1872).

Typus: *Lotus Dorycnium* L. = *D. suffruticosum* Vill.

**D. suffruticosum** Villars, Hist. Pl. Dauph. 3: 416 (1789).—Rikli in Bot. Jahrb. 31: 372, t. 8, fig. 16, 17 (1901).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 656 (1908).

*Lotus Dorycnium* Linnaeus, Sp. Pl. 778 (1753).

*Dorycnium monspeliense* Willdenow, Sp. Pl. 3,2: 1396 [1803].

*Dorycnium fruticosum* Persoon, Syn. Pl. 2: 344 (1807).

*Dorycnium pentaphyllum* Scopoli, Fl. Carniol. ed. 2, 2: 87 (1772), p. p.—Reichenbach, Fl. Germ. Excurs. 507 (1832), p. p.

*Dorycnium suffruticosum* a. *typicum* Beck, Fl. Nieder-Öster. 2: 854 (1892).

*Dorycnium suffruticosum* a. f. *genuinum* Rikli in Bot. Jahrb. 31: 377 (1902).

*Dorycnium dorycnium* A. *D. suffruticosum* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 655 (1908).

**D. suffruticosum** var. **sericeum** (Neilr.) Beck, Fl. Nieder-Öster. 2: 854 (1892) "β."

*Dorycnium Pentaphyllum* a. *sericeum* Neilreich, Fl. Nieder-Oester. 2: 945 (1859).

*Dorycnium decumbens* sensu Kerner, Schedae Fl. Exsicc. Austr.-Hung. 2: 8, no. 417 (1882), non Jordan (1846).

*Dorycnium Jordani* var. *germanicum* Gremli, Excurs.-Fl. Schweiz. ed. 6, 496 (1889); Neue Beitr. Fl. Schweiz. 5: 72 (1890).

*Dorycnium suffruticosum* var. *germanicum* Burnat, Fl. Alp. Marit. 2: 142 (1896).

*Dorycnium germanicum* Rouy & Foucaud, Fl. France, 5: 139 (1899).

*Dorycnium dorycnium* b. *D. Germanicum* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 658 (1908).

**D. rectum** (L.) Seringe in De Candolle, Prodr. 2: 208 (1825).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 655 (1908).

*Lotus rectus* Linnaeus, Sp. Pl. 775 (1753).

**Dorycnium rectum** (*continued*)

*Bonjeanea recta* Reichenbach, Fl. Germ. Excurs. 507 (1832).

*Gussonea recta* Parlatores, Rar. Pl. Sicil. 1: 6 (1838).

**D. hirsutum** Seringe in De Candolle, Prodr. 2: 208 (1825).  
— Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 652 (1908).

*Lotus hirsutus* Linnaeus, Sp. Pl. 775 (1753).

*Bonjeanea hirsuta* Reichenbach, Fl. Germ. Excurs. 507 (1832).

Trib. 6. GALEGEAE, Bronn, Form. Pl. Legum. 134 (1822).  
— Taubert in Nat. Pflanzenfam. III. 3: 186, 258 (1892, 1894).

*Papilionaceae* A. Loteae c. *Galegeae* Reichenbach, Consp. Reg. Veg. 149 (1828), nom. subnud.

*Papilionaceae* subfam. *Lotoideae* D. *Galegeae* et E. *Astragaleae* Luerssen, Grundzüge Bot. 380 (1877).

*Leguminosae* trib. *Galegeae* subtrib. *Indigoferinae*, *Psoraliinae*, *Tephrosiinae*, *Robiniinae*, *Coluteinae*, *Astragalinae* Taubert in Nat. Pflanzenfam. III. 3: 258–259 [1893].

**INDIGOFEA** Linnaeus, Sp. Pl. 751 (1753); Gen. Pl. ed. 5, 333, no. 794 (1754).—Bentham & Hooker f., Gen. Pl. 1: 494 (1865).

*Anil* Ludwig, Defin. Gen. Pl. 117 (1787).

*Sphaeridiophorum* Desvaux in Jour. de Bot. (Desvaux) 1: 125, t. 6 (1813).

*Brissonia* Desvaux in op. cit. 3: 78 (1814); in Ann. Sci. Nat. 9: 411 (1826).

*Oustropsis* G. Don, Gen. Hist. Dichlam. Pl. 2: 214 (1832).

*Hemispadon* Endlicher in Flora, 15, 2: 385 (1832).

*Tricoilendus* Rafinesque, Fl. Tellur. 2: 97 [1837].

*Eilemanthus* Hochstetter in Flora, 29: 593 (1846).

*Elemanthus* Schlechtendal in Bot. Zeitung, 5: 150 (1847).

*Amecarpus* Bentham ex Lindley, Veg. Kingd. 554 (1847); ed. 3, 554 (1853), nom.

*Acanthonotus* Bentham in Hooker, Niger Fl. 293 (1849).

*Indigastrum* Jaubert & Spach, Ill. Pl. Or. 5: 101, t. 492 (1857).

*Indigofera* sect. *Euindigofera* Harvey in Harvey & Sonder, Fl. Cap. 2: 163 (1861).

LECTOTYPUS: *I. tinctoria* L.

**I. incarnata** (Willd.) Nakai in Bot. Mag. Tokyo, 41: 521 (1927).

*Hedysarum incanum* Thunberg, Fl. Jap. 289 (1784), non *Indigofera incana* Thunberg [1800].

*Hedysarum incarnatum* Willdenow, Sp. Pl. 3, 2: 1209 [1803].

*Indigofera decora* Lindley in Jour. Hort. Soc. Lond. 1: 68 (1846).—Craib in Notes Bot. Gard. Edinb. 8: 68 (1913).

**I. incarnata** f. *alba* (Dieck) Rehder in Jour. Arnold Arb. 20: 415 (1939).

*Indigofera decora alba* hort. ex Dieck, Haupt-Cat. Zöschchen, 43 (1885).—Sargent in Gard. & For. 7: 376, fig. 61 (1894).—Bailey, Cycl. Am. Hort. [2]: 804 (1900) "var."

**I. Fortunei** Craib in Notes Bot. Gard. Edinb. 8: 53 (1913).

—Rehder & Wilson in Jour. Arnold Arb. 8: 128 (1927).  
*Indigofera venulosa* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 158 (1886), non Champion ex Bentham (1846).

*Indigofera reticulata* Koehne, Deutsche Dendr. 335 (1893), non Franchet [1889].

**I. hebeptala** Bentham ex Baker in Hooker f., Fl. Brit. Ind. 2: 101 (1876).—Prain in Bot. Mag. 134: t. 8208 (1908).

**I. Kirilowii** Maximowicz ex Palibin in Act. Hort. Petrop. 14: 114 (1895) "*Kirilowii*", nom.; 17: 62, t. 4 (1899), p. p., "*Kirilowii*" in tab.—Craib in Notes Bot. Gard. Edinb. 8: 66 (1913); in Bot. Mag. 140: t. 8580 (1914).  
—Rehder in Jour. Arnold Arb. 7: 149 (1926).

*Indigofera macrostachya* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 90 (Enum. Pl. Chin. Bor. 14. 1833) (1835).—Maximowicz in Bull. Soc. Nat. Moscou, 54: 8 (1879).—Non Ventenat (1803).

**I. Kirilowii** var. *coreana* Craib in Notes Bot. Gard. Edinb. 8: 56 (1913).

**I. Potaninii** Craib in op. cit. 8: 60 (1913).—Hillier in Jour. Hort. Soc. Lond. 61: 111, fig. 20 (1936).

**I. Souliei** Craib in op. cit. 61 (1913).

**I. amblyantha** Craib in op. cit. 47 (1913).—Rehder in Jour. Arnold Arb. 7: 161 (1926).

*Indigofera ichangensis* sensu Hers in Jour. N. China Branch Roy. As. Soc. 53: 111 (1922), non Craib (1913).

*Indigofera Potaninii* sensu Hers, l. c. (1922), non Craib (1913).

**I. amblyantha** var. *Purdomii* Rehder in Jour. Arnold Arb. 7: 240 (1926).

**I. pseudotinctoria** Matsumura in Bot. Mag. Tokyo, 16: 62 (1902).—Craib in Notes Bot. Gard. Edinb. 8: 69 (1913).

*Indigofera tinctoria* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 157 (1886), p. p., vix Linnaeus (1753).

*Indigofera Bungeana* sensu Hemsley in op. cit. 156 (1886), p. p.; vix Walpers (1839).

**I. Gerardiana** (Wallich) Baker in Hooker f., Fl. Brit. Ind. 2: 100 (1876).—Schneider, Ill. Handb. Laubh. 2: 67, fig. 40e-l (1907).

*Indigofera Gerardiana* Wallich, Num. List, no. 5486 [1832], nom.

*Indigofera Dosua* sensu Lindley in Bot. Reg. 28: t. 57 (1842), non D. Don (1825).

?*Indigofera quadrangularis* Graham ex Wallich, Num. List, no. 5483 (1832), nom.—Baker in Hooker f., Fl. Brit. Ind. 2: 100 (1876), pro syn.—Koehne, Herb. Dendr. no. 267 ex Schneider, Ill. Handb. Laubh. 2: 67, fig. 40m-p (1907).

**I. pendula** Franchet, Pl. Delavay. 156, t. 37 [1889].—Schneider, Ill. Handb. Laubh. 2: 66, fig. 39q-v (1907).  
—Hutchinson in Bot. Mag. 144: t. 8745 (1918).

**I. stachyodes** Lindley in Bot. Reg. 29: t. 14 (1843).—Craib in Notes Bot. Gard. Edinb. 8: 64 (1913).—Rehder in Jour. Arnold Arb. 13: 323 (1932).

*Indigofera Dosua* Ham. var. *tomentosa* Baker in Hooker f., Fl. Brit. Ind. 2: 102 (1876).

*Indigofera Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 190 (1913).

*Indigofera Dosua* Buch.-Ham. var. *stachyodes* Léveillé, Fl. Kouy-Tchéou, 234 (1914).

**AMORPHA** Linnaeus, Sp. Pl. 743 (1753); Gen. Pl. ed. 5, 319, no. 768 (1754).—Bentham & Hooker f., Gen. Pl. 1: 492 (1865).—Rydborg in N. Am. Fl. 24: 26–34

- (1924).—E. J. Palmer in Jour. Arnold Arb. **12**: 157–197, fig., t. 36 (1931).  
*Bonafidia* Necker, Elem. Bot. **3**: 46 (1790).  
 TYPUS: *A. fruticosa* L.
- A. canescens** Pursh, Fl. Am. Sept. **2**: 467 (1814).—Rydberg in N. Am. Fl. **24**: 28 (1919).—E. J. Palmer in Jour. Arnold Arb. **12**: 164, fig. 2 (1931).  
*Amorpha canescens* Nuttall ex Fraser, Cat. 1813 (repr. in Pittonia, **2**: 116. 1890), nom.  
 ?*Amorpha tomentosa* Rafinesque, Autik. Bot. 81 (1840).  
*Amorpha canescens* var. *typica* Schneider, Ill. Handb. Laubh. **2**: 70 (1907).
- A. canescens** var. *glabrata* Gray, Pl. Wright. **1**: 49 (1852).  
 —E. J. Palmer in Jour. Arnold Arb. **12**: 167 (1931).  
 —N. C. Fassett in Rhodora, **38**: 191 (1936) “f.”  
*Amorpha canescens* β. *leptostachya* Engelm. ex Gray in Mem. Am. Acad. Arts Sci. ser. 2, **4**: 31 (1849), nom.  
*Amorpha canescens* (f.) *glabrescens* Zabel in Beissner et al., Handb. Laubh.-Ben. 268 (1903), nom.
- A. herbacea** Walter, Fl. Carol. 179 (1788).—E. J. Palmer in Jour. Arb. **12**: 168, fig. 3 (1931).  
*Amorpha pubescens* Willdenow, Berlin. Baumz. 17 (1796).  
*Amorpha pumila* Michaux, Fl. Bor.-Am. **2**: 64 (1803).  
*Amorpha herbacea* var. *typica* Schneider, Ill. Handb. Laubh. **2**: 69 (1907).  
*Amorpha herbacea* var. *Boyntoni* Schneider, l. c. (1907).
- A. nana** Nuttall in Fraser, Cat. (1813) (reprint. in Pittonia, **2**: 116. 1890).—E. J. Palmer in Jour. Arnold Arb. **12**: 172, fig. 7 (1931).  
*Amorpha microphylla* Pursh, Fl. Am. Sept. **2**: 466 (1814).  
*Amorpha punctata* Rafinesque, New Fl. N. Am. **3**: 14 [1838].
- A. brachycarpa** E. J. Palmer in Jour. Arnold Arb. **12**: 171, fig. 6, t. 36 (1931).
- A. glabra** Poiret, Encycl. Méth. Bot. Suppl. **1**: 330 (1810).  
 —E. J. Palmer in Jour. Arnold Arb. **12**: 174, fig. 8 (1931).  
*Amorpha glabra* Desfontaines, Tabl. École Bot. Paris, 192 (1804), nom.—Persoon, Syn. Pl. **2**: 295 (1807), nom. subnud.  
*Amorpha retusa* Rafinesque, Autik. Bot. 80 (1840).  
*Amorpha montana* Boynton in Biltmore Bot. Stud. **1**: 138 (1902).  
 ?*Amorpha fruticosa* var. *glabra* Bean, Trees Shrubs Brit. Isl. **1**: 193 (1914).
- A. cyanostachya** M. A. Curtis in Boston Jour. Nat. Hist. **1**: 140 (1834).—E. J. Palmer in Jour. Arnold Arb. **12**: 169, fig. 3 (1931).  
 ?*Amorpha pumila* Schlechtendal in Ind. Sem. Hort. Hal. 8 (1848); in Ann. Sci. Nat. Bot. sér. 3, **11**: 248 (1849); non Michaux (1803).  
*Amorpha caroliniana* sensu Rydberg in N. Am. Fl. **24**: 29 (1919), non Croom (1834).  
*Amorpha glabra* sensu Boynton in Small, Fl. Southeast. U. S. 626 (1903), non Poiret (1810).
- A. fruticosa** Linnaeus, Sp. Pl. 713 (1753).—E. J. Palmer in Jour. Arnold Arb. **12**: 185, fig. 20 (1931).  
*Amorpha perforata* Schkuhr, Bot. Handb. Deutschl. Gew. **2**: 333 (1796).  
*Amorpha non perforata* Schkuhr, l. c. (1796).  
 ?*Amorpha arborea* Hort. ex Schkuhr, l. c. (1796), pro syn. nom.
- Amorpha fruticosa* a. *vulgaris* Pursh, Fl. Am. Sept. **2**: 466 (1814).  
 ?*Amorpha elata* Hayne, Dendr. Fl. Berlin, 134 (1822).  
*Amorpha ornata* Wenderoth in Ind. Sem. Hort. Marburg. ? (1835), nom.  
 ?*Amorpha glauca* Rafinesque, Autik. Bot. 80 (1840).  
 ?*Amorpha verrucosa* Rafinesque, l. c. (1840).  
 ?*Amorpha pumila* Schlechtendal in Ind. Sem. Hort. Hal. **1848**: 8 (1848); in Ann. Sci. Nat. Bot. sér. 3, **11**: 248 (1849); in Linnaea, **24**: 185 (1851); non Michaux (1803).  
*Amorpha pubescens* Schlechtendal in Linnaea, **24**: 691 (1851), non Willdenow (1796).  
 ?*Amorpha herbacea* Schlechtendal ex B. D. Jackson in Index Kew. **1**: 109 (1895), err. pro *A. pumila* Schlecht.; non Walter (1788).  
*Amorpha fruticosa* var. *typica* Schneider, Ill. Handb. Laubh. **2**: 72 (1907).
- A. fruticosa** f. *albiflora* Sheldon in Bull. Geol. Nat. Hist. Surv. Minnesota, **9**: 72 (1894).
- A. fruticosa** f. *coerulea* (Loud.) E. J. Palmer in Jour. Arnold Arb. **12**: 189 (1931).  
*Amorpha fruticosa* var. *5. coerulea* Loudon, Arb. Brit. **2**: 607 (1838).  
*Amorpha coerulea* Loddiges, Cat. (1830) ex Loudon, l. c. (1838), pro syn.
- A. fruticosa** f. *pendula* (Carr.) Schneider, Ill. Handb. Laubh. **2**: 73 (1907).  
*Amorpha pendula* Carrière in Rev. Hort. **1869**: 340 (1869).  
*Amorpha fruticosa* b. *pendula* Dippel, Handb. Laubh. **3**: 691 (1893).
- A. fruticosa** f. *crispa* (Kirchn.) Schneider, Ill. Handb. Laubh. **2**: 72 (1907).  
*Amorpha fruticosa* 2. *crispa* Kirchner in Petzold & Kirchner, Arb. Muscav. 370 (1864).
- A. fruticosa** f. *humilis* (Tausch) E. J. Palmer in Jour. Arnold Arb. **12**: 189 (1931).  
*Amorpha humilis* Tausch in Flora, **21**: 75 (1838).  
*Amorpha fruticosa* var. *humilis* Schneider, Ill. Handb. Laubh. **2**: 73 (1907).
- A. fruticosa** var. *tennessensis* [Kunze] E. J. Palmer in Jour. Arnold Arb. **12**: 192, fig. 20b (1931) “tennessensis”.  
*Amorpha tennessensis* Shuttleworth ex Kunze in Delect. Sem. Hort. Lips. **1848**: 1, adn. (1848); in Linnaea, **24**: 191 (1851).—Walpers, Ann. Bot. Syst. **2**: 360 (1851).
- A. fruticosa** var. *angustifolia* Pursh, Fl. Am. Sept. **2**: 466 (1814).—E. J. Palmer in Jour. Arnold Arb. **12**: 189, fig. 20a (1931).  
*Amorpha nana* sensu Sims in Bot. Mag. **47**: t. 2112 (1819); non Nuttall (1813).  
*Amorpha fragrans* Sweet, Brit. Fl. Gard. **3**: t. 241 (1828).  
*Amorpha fruticosa* var. *4. Lewisii* Loudon, Arb. Brit. **2**: 607 (1838).  
*Amorpha Lewisii* Loddiges, Cat. (1830) ex Loudon, l. c. (1938), pro syn.  
*Amorpha Ludwigii* Hort. ex K. Koch, Dendr. **1**: 70 (1869), pro syn.  
*Amorpha angustifolia* Boynton in Biltmore Bot. Stud. **1**: 139 (1902).
- A. fruticosa** var. *emarginata* Pursh, Fl. Am. Sept. **2**: 466 (1814).—E. J. Palmer in Jour. Arnold Arb. **12**: 193, fig. 20d (1931).  
*Amorpha emarginata* Sweet, Hort. Brit. 121 (1827).

**Amorpha** (continued)

- A. croceolana** Watson, Dendr. Brit. 2: t. 139 (1825) "*croceolana*".—E. J. Palmer in Jour. Arnold Arb. 12: 182, fig. 17 (1931).

*Amorpha fruticosa* var. *croceolana* Mouillefert, Arb. Arbriss. 1: 577 [1894].

- A. virgata** Small in Bull. Torrey Bot. Club, 21: 17 (1894).—E. J. Palmer in Jour. Arnold Arb. 12: 181, fig. 16 (1931).

- A. paniculata** Torrey & Gray, Fl. N. Am. 1: 306 (1838).—E. J. Palmer in Jour. Arnold Arb. 12: 179, fig. 14 (1931).

*Amorpha Roemeriana* Scheele in Linnaea, 21: 461 (1848).

- WISTERIA** Nuttall, Gen. Am. Pl. 2: 115 (1818).—Sprengel, Syst. Veg. 3: 255 (1820) "*Wistaria*".—Bentham & Hooker f., Gen. Pl. 1: 499 (1865) "*Wistaria*".—Nom. CONSERV. cf. Règles Internat. Nomencl. Bot. 82, no. 3722 (1906).

*Glycine* Linnaeus, Sp. Pl. 753 (1753), p. p.

*Kraunkia Rafinesque* in Med. Repos. New York, hex. 2, 5: 352 (1808).—Greene in Pittonia, 2: 175 (1891).—Taubert in Nat. Pflanzenfam. III. 3: 271 (1894).

*Diplomyx Rafinesque*, Fl. Ludovic. 101 (1817).

*Thysanthus* Elliot in Jour. Acad. Nat. Sci. Philad. 1: 371 (1818), non Schrank (1814).

*Phaseolodes* Kuntze, Rev. Gen. Pl. 1: 201 (1891), p. p.

*Bradleya* sensu Britton, Man. Fl. N. St. Can. 548 (1901).

—Small, Fl. Southeast. U. S. 612 (1903) "*Bradleya*".  
—Non *Bradleya* Adanson (1763), nec *Bradleya* Gaertn. (1791), nec *Bradleya* (*Braddleya*) Vellozo (1825).

TYPE: *Glycine frutescens* L. = *W. frutescens* (L.) Poir.

- W. floribunda** (Willd.) De Candolle, Prodr. 2: 390 (1825).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 510 (1916).

*Dolichos polystachyos* sensu Houttuyn, Natuurk. Hist. II. 10: 156, t. 64, fig. 2 (1779).—Christmann & Panzer, Pflanzenz. 8: 563, t. 64, fig. 2 (1782) "*polystachios*".

—Merrill in Jour. Arnold Arb. 19: 348 (1938), pro syn.  
—Non Linnaeus (1753).

*Glycine floribunda* Willdenow, Sp. Pl. 3: 1066 [1803].

*Dolichos japonicus* Sprengel, Syst. Veg. 3: 252 (1826).

*Wistaria brachybotrys* Siebold & Zuccarini, Fl. Jap. 1: 92, t. 45 [1839].

*Wistaria polystachya* K. Koch, Dendr. 1: 62 (1869), p. p.

*Phaseolodes floribundum* Kuntze, Rev. Gen. Pl. 1: 201 (1891), p. p.

*Phaseolodes brachybotrys* Kuntze, l. c. (1891).

*Kraunkia brachybotrys* Greene in Pittonia, 2: 175 (1892).

*Kraunkia floribunda* Taubert in Nat. Pflanzenfam. III. 3: 271 (1894), p. p.

*Wistaria chinensis* sensu Matsumura, List Pl. Nikko, 51 (1894), nom.; non De Candolle (1825).

*Milletia floribunda* Matsumura in Bot. Mag. Tokyo, 16: 64 (1902).

*Wistaria brachybotrys* var. *rubra* Hort. ex W. Miller in Bailey, Cycl. Am. Hort. [4]: 1989 (1902), nom.

*Kraunkia sinensis* var. *brachybotrys* Makino in Bot. Mag. Tokyo, 24: 76 (1910).

*Kraunkia sinensis* var. *floribunda* Makino in op. cit. 298 (1910), p. p.

*Kraunkia floribunda* a. *typica* Makino in op. cit. 25: 17 (1911), p. p.

*Kraunkia floribunda* γ. *brachybotrys* Makino in op. cit. 18 (1911), quoad basonym.

- W. floribunda** f. *variegata* (Nichols.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 512 (1916) "*Wistaria*."

*Wistaria multijuga* var. *variegata* Nicholson, Ill. Dict. Gard. 4: 214 [1887].

*Wistaria polystachya* (f.) *variegata* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 269 (1903).

- W. floribunda** f. *alba* (Carr.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 512 (1916) "*Wistaria*."

*Glycine multijuga alba* C. de Vos, Handb. Boom. Heest. Suppl. 8 (1890).

*Wistaria multijuga alba* Carrière in Rev. Hort. 1891: 421, fig. 109 (1891).—W. Miller in Bailey, Cycl. Am. Hort. [4]: 1989 (1902) "var."

*Wistaria polystachya* (f.) *multijuga alba* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 269 (1903).

*Kraunkia sinensis* var. *albiflora* Makino in Bot. Mag. Tokyo, 24: 299 (1910), non var. *brachybotrys* f. a. Makino (in op. cit. 77).

*Kraunkia floribunda* a. *typica* f. *albiflora* Makino in op. cit. 25: 18 (1911).

*Kraunkia floribunda* var. *alba* [Nash] in Jour. New York Bot. Gard. 20: 14 (1919).

- W. floribunda** f. *rosea* (Bean) Rehder & Wilson in Sargent, Pl. Wilson. 2: 512 (1916) "*Wistaria*."

*Wistaria polystachya* (f.) *multijuga rosea* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 269 (1903), nom.

*Wistaria multijuga* var. *rosea* Bean, Trees Shrubs Brit. Isl. 2: 683 (1914).

- W. floribunda** f. *violaceo-plena* (Schneid.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 512 (1916).

*Wistaria sinensis flore pleno* Carrière in Rev. Hort. 1878: 260 (1878); 1887: 564, t. (1887).

*Wistaria chinensis* var. *flore pleno* W. Miller in Bailey, Cycl. Am. Hort. [4]: 1988 (1902).

*Wistaria sinensis* var. *violaceo-plena* Schneider, Ill. Handb. Laubh. 2: 78 (1907).

*Kraunkia sinensis* var. *pleniflora* Makino in Bot. Mag. Tokyo, 24: 299 (1910).

*Kraunkia floribunda* a. *typica* f. *pleniflora* Makino in op. cit. 25: 18 (1911).

*Kraunkia floribunda* var. *violaceo-plena* [Nash] in Jour. New York Bot. Gard. 20: 14 (1919).

- W. floribunda** f. *macrobotrys* (Neubert) Rehder & Wilson in Sargent, Pl. Wilson. 2: 513 (1916) "*Wistaria*".

*Wistaria sinensis* Siebold & Zuccarini, Fl. Jap. 1: 90, t. 44 [1839], "*W. chinensis*" in tab.; non Sweet (1827).

*Wistaria chinensis* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 44 (Prol. Fl. Jap. 232) (1867), non De Candolle (1825).

*Wistaria macrobotrys* Siebold ex Neubert in Deutsch. Mag. Gart.- & Blumenk. 1870: 16, t. (1870).

*Wistaria multijuga* Van Houtte in Fl. des Serr. 19: 127, t. 2002 (1873).—Schneider, Ill. Handb. Laubh. 2: 77, fig. 461-p<sup>3</sup>, 47d-e (1907) "*Wistaria*".

*Wistaria chinensis* var. *macrobotrys* Lavallée, Arb. Segrez. 65 (1877).—Nicholson, Ill. Dict. Gard. 4: 214 [1887] "*Wistaria*."

*Wistaria grandiflora* Hort. ex Lavallée, Arb. Segrez. 65 (1877), pro syn.

*Kraunkia chinensis* Greene in Pittonia, 2: 175 (1892).

*Wistaria chinensis* var. *multijuga* Hooker f. in Bot. Mag. 123: t. 7522 (1897), p. p.

*Wistaria polystachya* (f.) *multijuga* Hort. Siebold ex Zabel in Beissner et al., Handb. Laubh.-Ben. 269 (1903).

*Kraunkia sinensis* var. *floribunda* Makino in Bot. Mag. Tokyo, 24: 298 (1910), p. p.

- Kraunhia floribunda* a. *typica* Makino in op. cit. 25: 17 (1911), p. p.  
*Kraunhia floribunda* var. *macrobotrys* [Nash] in Jour. New York Bot. Gard. 20: 14 (1919).
- W. formosa** (*W. floribunda* × *sinensis*) Rehder in Jour. Arnold Arb. 3: 36 (1921) "*Wistaria*".
- W. sinensis** (Sims) Sweet, Hort. Brit. 121 (1827). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 509 (1916) "*Wistaria*".  
*Glycine sinensis* Sims in Bot. Mag. 46: t. 2083 (1819).  
*Wisteria chinensis* De Candolle, Prodr. 2: 390 (1825).  
*Wisteria consequana* Loudon, Hort. Brit. 315 (1830).  
*Millettia chinensis* Benthham in Junghuhn, Pl. Junghuhn. 249, in adnot. [1852].  
*Wistaria polystachya* K. Koch, Dendr. 1: 62 (1869), p. p.  
*Wistaria brachybotrys* sensu Maximowicz in Bull. Soc. Nat. Moscou, 54: 9 (Fl. As. Or. Fragm.) (1879), nom.; non Siebold & Zuccarini [1839].  
*Phaseolodes floribundum*, Kuntze, Rev. Gen. Pl. 1: 201 (1891), p. p.  
*Kraunhia floribunda* Taubert in Nat. Pflanzenfam. III. 3: 271 [1894], p. p.  
*Kraunhia floribunda* β. *sinensis* Makino in Bot. Mag. Tokyo, 25: 18 (1911).
- W. sinensis** f. *alba* (Lindl.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 510 (1916) "*Wistaria*".  
*Wistaria sinensis alba* Lindley in Jour. Hort. Soc. Lond. 4: 221 (1849).  
*Wistaria sinensis* var. *albiflora* Lemaire in Ill. Hort. 5: t. 166 (1858).  
*Wisteria chinensis* var. *alba* Lavallée, Arb. Segrez. 65 (1877), nom.  
*Wistaria chinensis* var. *albiflora* W. Miller in Bailey, Cycl. Am. Hort. [4]: 1988 (1902).  
*Wistaria polystachya* (f.) *alba* Zabel in Beissner et al., Handb. Laubh.-Ben. 269 (1903).
- W. venusta** Rehder & Wilson in Sargent, Pl. Wilson. 2: 514 (1916) "*Wistaria*"; exclud. pl. chin.  
*Millettia floribunda* var. *brachybotrys* Matsumura in Bot. Mag. Tokyo, 16: 64 (1902).  
*Wistaria brachybotrys* var. *alba* W. Miller in Bailey, Cycl. Am. Hort. [4]: 1989 (1902). — Niemetz in Mitt. Deutsch. Dendr. Ges. 1915(24): 291 [1916].  
*Kraunhia sinensis* var. *brachybotrys* f. *albiflora* Makino in Bot. Mag. Tokyo, 24: 77 (1910).  
*Kraunhia floribunda* γ. *brachybotrys* f. *albiflora* Makino in op. cit. 25: 18 (1911), non a. *typica* f. a. Makino (l. c.).  
*Wisteria brachybotrys* f. *alba* (Mill.) Hurusawa in Act. Phytotax. Geobot. 12: 109 (1943).
- W. venusta** f. *plena* (Bean) Rehder & Wilson in Sargent, Pl. Wilson. 3: 455 (1917) "*Wistaria*".  
*Wistaria chinensis* var. *alba plena* Bean, Trees Shrubs Brit. Isl. 2: 681 (1914).
- W. venusta** f. *violacea* Rehder in Jour. Arnold Arb. 7: 163 (1926) "*Wistaria*".
- W. villosa** Rehder in Jour. Arnold Arb. 7: 162 (1926) "*Wistaria*".  
*Wisteria chinensis* sensu Bunge in Mém. Sav. Étr. Acad. Sci. St. Pétersb. 2: 94 (Enum. Pl. Chin. Bor. 18. 1833) (1835), nom.; non De Candolle (1825).  
*Wistaria brachybotrys* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 161 (1887), quoad pl. e Peking; non Siebold & Zuccarini [1839].
- W. frutescens** (L.) Poiret in Lamarck, Tabl. Encycl. Méth. Bot. 3: 674 (1823).  
*Glycine frutescens* Linnaeus, Sp. Pl. 753 (1753).  
*Anonymos frutescens* Walter, Fl. Carol. 186 (1788).  
*Apios frutescens* Pursh, Fl. Am. Sept. 2: 474 (1814).  
*Diplonix elegans* Rafinesque, Fl. Ludovic. 101 (1817), sphalm. pro *Diplonyx*.  
*Thyrsanthus frutescens* Elliot in Jour. Acad. Nat. Sci. Philad. 1: 371 (1818).  
*Wisteria speciosa* Nuttall, Gen. N. Am. Pl. 2: 116 (1818).  
*Thyrsanthus floridana* Croom in Am. Jour. Sci. 25: 75 (1834).  
*Phaseolus frutescens* Eaton & Wright in Eaton, [Man.] N. Am. Bot. ed. 8, 354 (1840).  
*Phaseolodes frutescens* Kuntze, Rev. Gen. Pl. 1: 201 (1891).  
*Kraunhia frutescens* Greene in Pittonia, 2: 175 (1891). — Rydberg in N. Am. Fl. 24: 185 (1923).  
*Bradleya frutescens* Britton, Man. Fl. N. Stat. Can. 549 (1901). — Small, Fl. Southeast. U. S. 612 (1903) "*Bradleia*".
- W. frutescens** f. *nivea* [Lescuy.] Zabel in Beissner et al., Handb. Laubh.-Ben. 270 (1903) "*Wistaria* f. (f.) n." *Wistaria frutescens nivea* Lescuyer in Hort. Franç. 1854: 251 (1854).  
*Wistaria frutescens alba* Th. Moore in Proc. Hort. Soc. Lond. 5: 138 (1865), nom. — Bean, Trees Shrubs Brit. Isl. 2: 682 (1914).
- W. macrostachys** (Torr. & Gray) Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 515 (1908).  
*Wisteria frutescens* β. *macrostachys* Torrey & Gray, Fl. N. Am. 1: 283 (1838).  
*Wisteria macrostachys* Nuttall ex Torrey & Gray, l. c. (1838), pro syn.  
*Glycine frutescens* var. *magnifica* Herincq in Hort. Franç. 1855: 220, t. 19 (1855).  
*Wistaria frutescens Backhousiana* André in Rev. Hort. 1862: 12, t. (1862). — Niemetz in Mitt. Deutsch. Dendr. Ges. 1915(24): 291 [1916] "*Backhouseana*".  
*Wistaria frutescens magnifica* André in Rev. Hort. 1862: 50 (1862).  
*Kraunhia macrostachys* Small in Bull. Torrey Bot. Club, 25: 134 (1898). — Rydberg in N. Am. Fl. 24: 185 (1923).  
*Bradleya macrostachys* Small ex Britton, Man. Fl. N. Stat. Can. 549 (1901). — Small, Fl. Southeast. U. S. 612 (1903) "*Bradleia*".
- W. macrostachys** f. *albo-lilacina* (Dipp.) Rehder in Jour. Arnold Arb. 7: 149 (1926) "*Wistaria*".  
*Wistaria frutescens* c. *albo-lilacina* Dippel, Handb. Laubh. 3: 695 (1893).  
*Wistaria frutescens rosea* Hort. nonn. ex Dippel, l. c. (1893), pro syn.
- W. japonica** Siebold & Zuccarini, Fl. Jap. 1: 88, t. 43 [1839]. — Rehder & Wilson in Sargent, Pl. Wilson. 2: 515 (1916).  
*Millettia japonica* Gray in Mem. Am. Acad. Arts Sci., n. ser., 6: 386 (Diag. Char. Pl. Jap.) (1859).  
*Phaseolodes japonicum* Kuntze, Rev. Gen. Pl. 1: 201 (1891).  
*Kraunhia japonica* Taubert in Nat. Pflanzenfam. III. 3: 271 [1894].
- ROBINIA** Linnaeus, Sp. Pl. 722 (1753); Gen. Pl. ed. 5, 322, no. 775 (1754), exclud. spec. nonnull. — Benthham & Hooker f., Gen. Pl. 1: 499 (1865).



**Robinia** (continued)

- Pseudo-Acacia* Medicus in Vorles. Kurpfälz. Physik.-Oekon. Ges. 2: 364 (1787).—Moench, Meth. Pl. 145 (1794) "*Pseudacacia*".
- Robinia* † † *Robiniae* Horn. ex [Besser], Cat. Pl. Hort. Cremen. 117 (1816), nom. subnud.
- LECTOTYPUS: *R. Pseudoacacia* L.
- R. Pseudoacacia** Linnaeus, Sp. Pl. 732 (1753) "*Pseudo-Acacia*"; ed. 2, 2: 1043 (1763) "*Pseud-Acacia*".—Sargent, Silva N. Am. 3: 39, t. 112, 113 (1892).—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 714 (1908) "*pseudacacia*".—Rydberg in N. Am. Fl. 24: 222 (1924).
- Robinia Acacia* Linnaeus, Syst. Nat. ed. 10, 2: 1161 (1759).
- Pseudacacia odorata* Moench, Meth. Pl. 145 (1794).
- Robinia fragilis* Salisbury, Prodr. Stirp. Chap. Allert. 336 (1796).
- Robinia Pseud-Acacia* f. *normalis* Voss, Vilmor. Blumengärt. 1: 218 [1894].
- Robinia pseudacacia* A. typica Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 715 (1908).
- Robinia pseudacacia* A. i. *vulgaris* Ascherson & Graebner, l. c. (1908).
- R. Pseudoacacia** f. *aurea* (Kirchn.), grad. nov.
- Robinia Pseudoacacia* 3. *aurea* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 374 (1864).—Dippel, Handb. Laubh. 3: 703 (1893) "(f.)."
- R. Pseudoacacia** f. *purpurea* (Dipp.), grad. nov.
- Robinia Pseudoacacia* (f.) *purpurea* Dippel, Handb. Laubh. 3: 703 (1893), et "*atropurpurea*" nom. altern.—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var."—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 717 (1908) "*pseudacia*"; "lus."
- R. Pseudoacacia** f. *coluteoides* (Neum.), grad. nov.
- ?*Robinia sophoraefolia* [Besser], Cat. Pl. Hort. Cremen. 117 (1816), nom., sub [ser.] *Robiniae*.
- Robinia pseudacacia* β. *sophoraefolia* Link, Enum. Pl. Hort. Berol. 2: 242 (1822), nom.—?Loddiges ex Loudon, Arb. Brit. 2: 610 (1838) "var."—Kirchner in Petzold & Kirchner, Arb. Muscav. 378 (1864).
- Robinia pseudo-acacia coluteoides* Neumann in Hort. Franc. 1857: 222 (1857).—Schneider, Ill. Handb. Laubh. 2: 84, fig. 51e (1907) "var."
- R. Pseudoacacia** f. *amorphaeifolia* (Loud.), grad. nov.
- Robinia pseudacacia* γ. *amorphaeifolia* Link, Enum. Pl. Hort. Berol. 2: 242 (1822), nom.—Loudon, Arb. Brit. 2: 610 (1838) "var."—Schneider, Ill. Handb. Laubh. 2: 83, fig. 51c (1907) "var."
- R. Pseudoacacia** f. *microphylla* (Loud.), grad. nov.
- Robinia Pseudacacia* var. *microphylla* Loddiges Cat. 1830 ex Loudon, Arb. Brit. 2: 610 (1838).
- Robinia angustifolia* Hort. ex Loudon, l. c. (1838), pro syn.
- Robinia Pseudoacacia* 31. *tragacanthoides* Kirchner in Petzold & Kirchner, Arb. Muscav. 379 (1864).—Schneider, Ill. Handb. Laubh. 2: 84, fig. 51d (1907) "var."
- Robinia Pseudacacia* var. *angustifolia* Koehne, Herb. Dendr. no. 510 ex Schneider, Ill. Handb. Laubh. 2: 84 (1907), pro syn.
- Robinia Pseudoacacia* var. *elegantissima* Hort. ex Rehder, Man. Cult. Trees Shrubs, 506 (1927), pro syn.
- R. Pseudoacacia** f. *myrtifolia* (Schneid.), grad. nov.
- Robinia myrtifolia* K. Koch, Dendr. 1: 56 (1869), pro syn.
- Robinia Pseudoacacia* var. *myrtifolia* Koch ex Schneider, Ill. Handb. Laubh. 2: 84, fig. 51f (1907).
- R. Pseudoacacia** f. *crispa* (DC.), grad. nov.
- Robinia Pseudacacia* γ. *crispa* De Candolle, Prodr. 2: 261 (1825).—Schneider, Ill. Handb. Laubh. 2: 83, fig. 51a (1907) "var."
- R. Pseudoacacia** f. *linearis* (Kirchn.), grad. nov.
- Robinia Pseudacacia* 17. *linearis* Kirchner in Petzold & Kirchner, Arb. Muscav. 377 (1864).
- R. Pseudoacacia** f. *dissecta* (Mottet), grad. nov.
- Robinia dissecta* K. Koch, Dendr. 1: 56 (1869), pro syn.
- Robinia Pseudoacacia dissecta* Hort. ex Mottet in Nicholson & Mottet, Dict. Prat. Hort. 4: 515 (1896-7).
- R. Pseudoacacia** f. *unifoliola* (Talou) Rehder in Jour. Arnold Arb. 3: 37 (1922).
- Robinia pseudo-acacia* var. *unifoliola* Talou in Hort. Franc. 1859: 157 (1859).
- Robinia pseudoacacia monophylla* Carrière in Rev. Hort. 1860: 630, fig. 121, 122 (1860).—Hartwig & Rümpler, Bäume Sträuch. 490 (1875) "var."—Voss, Vilmor. Blumengärt. 1: 218 [1894] "f."
- Robinia Pseudacacia heterophylla* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 271 (1903), pro syn.
- R. Pseudoacacia** f. *erecta* Rehder in Jour. Arnold Arb. 3: 38 (1921).
- Robinia Pseudo-Acacia monophylla fastigiata* Dieck, Haupt-Cat. Zöschchen, 65 (1885).—Hartwig, Ill. Gehölzb. ed. 2, 332 (1892) "var. m. f."—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var. m. f. f."—Non R. Ps. *fastigiata* Neumann (1857).
- R. Pseudoacacia** f. *dependens* Rehder in Jour. Arnold Arb. 3: 38 (1921).
- Robinia pseudo-Acacia monophylla pendula* Dieck in Ill. Monatsh. Gartenb. 2: 104 (1883).—Hartwig, Ill. Gehölzb. ed. 2, 332 (1892) "var. m. p."—Voss, Vilmor. Blumengärt. 1: 218 (1894) "f. m. p."—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var. m. f. p."—Non R. Ps. var. *pendula* Loud. (1838).
- R. Pseudoacacia** f. *inermis* (Mirb.) grad. nov.
- Robinia inermis* Mirbel in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 2: 61 [1804].
- Robinia spectabilis* Dumont de Courset, Bot. Cult. ed. 2, 6: 140 (1811).
- Robinia pseudacacia inermis* De Candolle, Cat. Hort. Monspel. 136 (1813); Prodr. 2: 261 (1825) "β. i."
- R. Pseudoacacia** f. *umbraculifera* (DC.), grad. nov.
- Robinia inermis* Dumont de Courset, Bot. Cult. 6: 140 (1811), p. p.; non Mirbel [1804].
- Robinia umbraculifera* De Candolle, Cat. Pl. Monspel. 137 (1813).
- Robinia Pseudacacia* δ. *umbraculifera* De Candolle, Prodr. 2: 261 (1825).
- ?*Robinia patula* Neumann in Hort. Franc. 1857: 222 (1857).—K. Koch, Dendr. 1: 58 (1869), pro syn.
- Robinia Pseud-Acacia* f. *inermis umbraculifera* Voss, Vilmor. Blumengärt. 1: 219 [1894].
- R. Pseudoacacia** f. *Rehderi* [Otto] Schneider, Ill. Handb. Laubh. 2: 83 (1907).
- Robinia inermis Rehderi* [Otto] in Hamburg. Gart.- & Blumenzeit. 20: 8 (1864, Jan.).
- Robinia Pseudacacia* 15. *inermis Rehderi* Kirchner in

- Petzold & Kirchner Arb. Muscav. 375 (1864 [review in June]).—Voss, Vilmor. Blumengärt. 1: 219 [1894]. "f. i. R."
- R. Pseudoacacia f. Bessoniana** [Nichols.] Voss, Vilmor. Blumengärt. 1: 219 (1894).—Schneider, Ill. Handb. Laubh. 2: 83 (1907).  
*Robinia Pseudoacacia* (var.) *Bessoniana* Nicholson, Ill. Dict. Gard. 3: 310 [1886].—Nicholson & Mottet, Dict. Prat. Hort. 4: 515 (1896–7).
- R. Pseudoacacia f. tortuosa** (DC.), grad. nov.  
*Robinia Pseudoacacia tortuosa* De Candolle, Cat. Hort. Monspel. 136 (1813); Prodr. 2: 261 (1825) "e".—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var."  
*Robinia tortuosa* Baum. ex Hoffmannsegg, Verz. Pflanzenkult. 106, 193 (1824).
- R. Pseudoacacia f. Rozynskiana** (Späth), grad. nov.  
*Robinia Pseudoacacia* var. *Rozynskiana* Späth (1903) ex Schneider, Ill. Handb. Laubh. 2: 83 (1907).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 509 (1940) "*Rozynskiana*".
- R. Pseudocacia f. pendula** (Loud.), grad. nov.  
*Robinia Pseudocacia* f. *pendula* Link, Enum. Pl. Hort. Berol. 2: 242 (1822), nom.—Loudon, Arb. Brit. 2: 610 (1838).
- R. Pseudoacacia f. Ulriciana** (Hartwig), grad. nov.  
*Robinia Pseudoacacia* var. *Ulriciana* Reuter ex Hartwig, Ill. Gehölzb. ed. 2, 333 (1892).
- R. Pseudoacacia f. pyramidalis** (Pépin), grad. nov.  
*Robinia pseudo-acacia pyramidalis* Pépin in Rev. Hort. sér. 2, 4: 240 (1845).—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var."  
*Robinia inermis pyramidalis* Schickler ex O[tt]o in Hamburg. Gart.- & Blumenzeit. 13: 104, fig. (1857).  
*Robinia Pseudoacacia* var. *fastigiata* [Lemaire] in Ill. Hort. 6(Misc.): 20, fig. (1859).—Nicholson, Ill. Dict. Gard. 3: 310 [1886].—Non Neumann in Hort. Franc. 1857: 222 (1857).
- R. Pseudoacacia f. stricta** (Loud.), grad. nov.  
*Robinia pseudo-acacia e. stricta* Link, Enum. Pl. Hort. Berol. 2: 242 (1822), nom.—Loudon, Arb. Brit. 2: 610 (1838) "var."  
*Robinia stricta* Baum. ex Hoffmannsegg, Verz. Pflanzenkult. 106, 193 (1824).
- R. Pseudoacacia f. semperflorens** [Carr.] Voss, Vilmor. Blumengärt. 1: 218 [1894].  
*Robinia Pseudoacacia semperflorens* Carrière in Rev. Hort. 1870: 502 (1871); 1875: 191, t. (1875).—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var."
- R. Pseudoacacia f. Decaisneana** (Carr.) Voss, Vilmor. Blumengärt. 1: 218 [1894].  
*Robinia Pseudo-acacia Decaisneana* Carrière in Rev. Hort. 1863: 151, t. (1863).—Schneider, Ill. Handb. Laubh. 2: 83 (1907) "var."  
*Robinia dubia* (f.) *Decaisneana* Zabel in Beissner et al., Handb. Laubh.-Ben. 272 (1903).
- R. Margaretta** [*R. ?hispida* × *Pseudoacacia*] Ashe in Jour. Elisha Mitchell Sci. Soc. 37: 176 (1922).—Rydberg in N. Am. Fl. 24: 225 (1924).
- R. Boyntonii** Ashe in Jour. Elisha Mitchell Sci. Soc. 14: 52 (1898); in Small, Fl. Southeast. U. S. 613 (1903).—Rydberg in N. Am. Fl. 24: 223 (1924) "*Boyntoni*," exclud. syn. DC.
- Robinia hispida* β. *rosea* Pursh, Fl. Am. Sept. 2: 488 (1814).  
*Robinia macrophylla* G. Don, Gen. Hist. Dichlam. Pl. 2: 238 (1832).
- R. nana** Elliott, Sketch Bot. S. Carol. 2: 243 [1822].—Rydberg in N. Am. Fl. 24: 223 (1924).  
*Robinia hispida* γ. *nana* Torrey & Gray, Fl. N. Am. 1: 295 (1838).
- R. leucantha** Rehder in Jour. Arnold Arb. 26: 479 (1945).
- R. Kelseyi** Hutchinson in Bot. Mag. 134: t. 8213 (1908).—Rydberg in N. Am. Fl. 24: 224 (1924).—Dayton in Am. Midland Nat. 30: 504 (1943).  
*Robinia kelseyi* H. P. Kelsey [Nurs. Cat.] Hardy Am. Pl. 16: 9 (1900), nom.—Cowell in Bailey, Cycl. Am. Hort. [4]: 1538 (1902, Feb.), nom. subnud.
- R. Slavinii** (*R. Kelseyi* × *Pseudoacacia*) Rehder in Jour. Arnold Arb. 3: 38 (1922).
- R. Elliottii** (Chapman) Ashe in Small, Fl. Southeast. U. S. 613 (1903).  
*Robinia rosea* Elliott, Sketch Bot. S.-Carol. 2: 243 (1822), non Miller (1768), nec Marshall (1785).  
*Robinia hispida* var. *Elliottii* Chapman, Fl. S. U. S. 94 (1860).  
*Robinia hispida* var. *rosea* Elliott ex Chapman, l. c. (1860), pro syn.
- R. longiloba** Ashe in Bull. Charleston Mus. 14: 30 (1918).—Rydberg in N. Am. Fl. 24: 224 (1924).
- R. Ashei** Schallert in Torrey, 23: 105 (1923).
- R. speciosa** Ashe in Rhodora, 25: 181 (1923).—Rydberg in N. Am. Fl. 24: 224 (1924).
- R. pallida** Ashe in op. cit. 182 (1923).—Rydberg in op. cit. 225 (1924).
- R. hispida** Linnaeus, Mant. Pl. 101 (1767).—Rydberg in op. cit. 225 (1924).  
*Robinia rosea* Marshall, Arbust. Am. 134 (1785), non Miller (1768).  
*Pseudoacacia hispida* Moench, Meth. Pl. 145 (1794).  
*Robinia hispida-rosea* Mirbel in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 2: 64, t. 18 [1804] "*R. rosea*" in tab.  
*Robinia montana* Bartram ex Pursh, Fl. Am. Sept. 2: 488 (1814), pro syn.  
*Robinia hispida* 2. *Camusetii* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 372 (1864).—Schneider, Ill. Handb. Laubh. 2: 81 (1907) "var. *typica* f. C."  
*Robinia hispida* var. *typica* Schneider, l. c. (1907).—Clausen in Gent. Herb. 4: 291 (1940).  
*Robinia Unakae* Ashe in Jour. Elisha Mitchell Sci. Soc. 39: 110 (1923).
- R. hispida** var. *macrophylla* De Candolle, Prodr. 2: 262 (1825) "γ."—Voss, Vilmor. Blumengärt. 1: 219 [1894] "f."—Schneider, Ill. Handb. Laubh. 2: 81 (1907).  
*Robinia macrophylla* Schrader ex De Candolle, l. c. (1825), pro syn.—G. Don, Gen. Hist. Dichlam. Pl. 2: 238 (1832).—Non Sprengel (1826).  
*Robinia hispida* 4. *inermis* Kirchner in Petzold & Kirchner, Arb. Muscav. 372 (1864).  
*Robinia grandiflora* Hort. ex Schneider, Ill. Handb. Laubh. 2: 81 (1907), pro syn.; non Linnaeus (1759), nec Ashe (1922).
- R. pauciflora** Ashe in Bull. Torrey Bot. Club, 50: 362 (1923).

**Robinia** (continued)

- R. fertilis** Ashe in Rhodora, **25**: 182 (1923).—Rydberg in N. Am. Fl. **24**: 225 (1924).—Whitaker in Bull. Arnold Arb. ser. 4, **2**: 27, fig. (1934).  
*Robinia hispida* Michaux, Fl. Bor.-Am. **2**: 65 (1803), p. p.; vix Linnaeus (1767).  
*Robinia nana* Ashe in Small, Fl. Southeast. U. S. 614 (1903), p. p.; non Elliott (1822).  
*Robinia Michauxii* [Rydberg in herb.] Sargent in Bull. Arnold Arb. n. ser., **8**: 32 (1922), nom. subnud.  
*Robinia hispida* var. *fertilis* Clausen in Gent. Herb. **4**: 291 (1940).  
**R. luxurians** (Dieck) Schneider in Silva Tarouca & Schneider, Uns. Freil.-Laubh. ed. 2, 357, fig. 417 (1922).—Rydberg in N. Am. Fl. **24**: 226 (1924).  
*Robinia neo-mexicana* sensu Porter & Coulter, Syn. Fl. Colo. **23** (1874).—Sargent, Silva N. Am. **3**: 43, t. 114 (1892).—Non Gray (1854).  
*Robinia Neo-mexicana* var. *luxurians* Dieck, Neuheit.-Off. Zösch, **1892-93**: ? (1892); **1894-95**: 18 (1894), nom.—Goeze in Gard. Chron. ser. 3, **12**: 669 (1892).  
**R. Holdtii** (*R. luxurians* × *Pseudoacacia*) Beissner in Mitt. Deutsch. Dendr. Ges. **1902**(11): 116 (1902) "*R. neo-mexicana* × *Pseudoacacia*"; nom. subnud.—Koehne in Gartenfl. **52**: 372 (1903).  
*Robinia coloradensis* Dode in Bull. Soc. Bot. France, **55**: 650 (1908).  
**R. Holdtii** var. *britzensis* (Späth) Schneider, Ill. Handb. Laubh. **2**: 84 (1907).  
*Robinia Holdtii Britzensis* Späth in Gartenfl. **52**: 557 (1903).  
**R. neo-mexicana** Gray in Mem. Am. Acad. Arts Sci. ser. 2, **5**: 314 (1854).—Sargent in Jour. Arnold Arb. **2**: 164 (1921).—Rydberg in N. Am. Fl. **24**: 226 (1924).  
*Robinia Rusbyi* Wootton & Standley in Contrib. U. S. Nat. Herb. **16**: 140 (1913), p. p.  
**R. Hartwigii** Koehne in Mitt. Deutsch. Dendr. Ges. **1913**(22): 1 [1914].—Rydberg in N. Am. Fl. **24**: 228 (1924).  
*Robinia viscosa* var. *hardwegii* Ashe in Jour. Elisha Mitchell Sci. Soc. **37**: 175 (1922).  
**R. viscosa** P. Ventenat ex [Vauquelin] in Bull. Soc. Philom. Paris, **1,2**: 161 (1799).—Ventenat, Descr. Pl. Jard. Cels. t. 4 (1800).—Sargent, Silva N. Am. **3**: 45, t. 115 (1892).—Rydberg in N. Am. Fl. **24**: 227 (1924).  
? *Robinia echinata* Miller, Gard. Dict. ed. 8, R. no. 2 (1768).  
*Robinia glutinosa* Sims in Bot. Mag. **16**: t. 560 [1802].  
*Robinia montana* Bartram ex Michaux, Fl. Bor.-Am. **2**: 65 (1803), pro syn.  
**R. ambigua** (*R. Pseudoacacia* × *viscosa*) Poirlet, Encycl. Méth. Bot. Suppl. **4**: 690 (1816).—Rehder in Jour. Arnold Arb. **3**: 39 (1921).  
*Robinia dubia* Foucault in Jour. de Bot. (Desvaux) **2**: 204 (1813).—Schneider, Ill. Handb. Laubh. **2**: 81 (1907).—Non Poirlet (1804).  
*Robinia hybrida* Audibert ex De Candolle, Prodr. **2**: 262 (1825), pro syn.—Anon. in Ann. Soc. Hort. Paris, **12**: 358 (1833).  
*Robinia intermedia* Soulange-Bodin in Ann. Soc. Hort. Paris, **2**: 42 (1828).  
**R. ambigua** var. *bella-rosea* (Nichols.) Rehder in Jour. Arnold Arb. **3**: 40 (1921).

- Robinia amoena* hort. ex K. Koch, Dendr. **1**: 60 (1869), nom. subnud.  
*Robinia bella-rosea* Nicholson, Ill. Dict. Gard. **3**: 310 [1886]; in Nicholson & Mottet, Dict. Prat. Hort. **4**: 515 [1896-7].  
*Robinia viscosa* f. *bella-rosea* Voss, Vilmor. Blumengärt. **1**: 219 [1894].  
*Robinia dubia* var. *amoena* Hort. ex Mouillefert, Arb. Arbriss. **1**: 567 [1894].  
*Robinia Pseudacacia* var. *bella-rosea* Cowell in Bailey, Cycl. Am. Hort. **[4]**: 1538 (1902).  
*Robinia dubia* var. *bella-rosea* Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 223 [1916].

**CARMICHAELIA** R. Brown in Lindley in Bot. Reg. **11**: t. 912 (1825) "*Carmichaelia*."—Reichenbach, Repert. Bot. (Deutsch. Bot. I.) **147** (1841), "*Carmichaela*."—Bentham & Hooker f., Gen. Pl. **1**: 502 (1865) "*Carmichaelia*."

Typus: *C. australis* R. Br.

- C. australis** R. Brown in Lindley in Bot. Reg. **11**: t. 912 (1825) "*Carmichaelia*."—Cheeseman, Man. New Zeal. Fl. ed. 2, 518 (1925).  
*Bossiaea scolopendria* Richard, Essai Fl. Nouv. Zélande, 346 (Dumont d'Urville, Voy. Découv. Astrolabe, Bot. I.) (1832), non Smith (1808).  
*Carmichaelia Cunninghamii* Raoul, Choix Pl. Nouv. Zélande, 29, t. 28B (1846).  
*Carmichaelia arborea* Druce in Rep. Bot. Exch. Club Brit. Isl. **1916**: 612 (1916), p. p., vix *Lotus arboreus* Forst. f. (1786).

**COLUTEA** Linnaeus, Sp. Pl. 723 (1753), p. p. typ.; Gen. Pl. ed. 5, 323, no. 776 (1754).—Bentham & Hooker f., Gen. Pl. **1**: 505 (1865).

LECTOTYPUS: *C. arborescens* L.

- C. arborescens** Linnaeus, Sp. Pl. 723 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 729 (1908).  
*Colutea florida* Salisbury, Prodr. Stirp. Chap. Allert. 337 (1796).  
*Colutea arborescens* A. I. *euarborescens* Ascherson & Graebner, op. cit. 730 (1908).  
*Colutea arborea* Rydberg in N. Am. Fl. **24**: 250 (1924), sphalm.  
**C. arborescens** f. *crispa* (Kirchn.) Schneider, Ill. Handb. Laubh. **2**: 88 (1907).  
*Colutea arborescens* 2. *crispa* Kirchner in Petzold & Kirchner, Arb. Muscav. 381 (1864).—Jäger, Ziergeh. 170 (1865) "var."—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 730 (1908) "lus."  
**C. arborescens** f. *bullata* Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 256 [1914].—Bean, Trees Shrubs Brit. Isl. **1**: 378 (1914) "var."  
? *Colutea cilicica* var. *bullata* [Nicholson] in Kew Handlist Trees Shrubs, ed. 2, 189 (1902), nom.  
**C. brevipalata** Lange in Ind. Sem. Hort. Haun. **1861**: 30 (1861); Pugill. Pl. Impr. Hisp. **4**: 371 (1865).—Schneider, Ill. Handb. Laubh. **2**: 87, fig. 53k-m, 54a (1907).  
*Colutea arborescens* var. *brevipalata* Dippel, Handb. Laubh. **3**: 704 (1893).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 730 (1908) "Rasse b."  
**C. cilicica** Boissier & Balansa ex Boissier, Diagn. Pl. Or. sér. 2, **5**: 83 (1856).—Schneider, Ill. Handb. Laubh. **2**: 90, fig. 54h-k, 55a-e (1907).  
*Colutea melanocalyx* sensu Anon. in Gard. Chron. ser. 3, **16**: 155, fig. 24 (1894), non Boissier (1849).

- Colutea longialata* Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 61 [1907].
- Colutea arborescens* s. *cilicica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 731 (1908).
- C. melanocalyx** Boissier, Diagn. Pl. Or. sér. 1, 9: 35 (1849). — Schneider, Ill. Handb. Laubh. 2: 90, fig. 541-m, 55f-i (1907).
- C. istria** Miller, Gard. Dict. ed. 8, C. no. 2 (1768). — Schneider, Ill. Handb. Laubh. 2: 87, fig. 53e-i, 54p (1907).
- Colutea halepica* Lamarck, Encycl. Méth. Bot. 1: 353 (1783).
- Colutea Pocockii* Aiton, Hort. Kew. 3: 55 (1789).
- Colutea microphylla* Raffeneau-Delile in Ind. Sem. Hort. Bot. Monspel. 1847: 7 (1847); Hexad. Duae Pl. 1 (1847).
- C. media** (*C. arborescens* × *orientalis*) Willdenow, Enum. Pl. Hort. Berol. 771 (1809). — Schneider, Ill. Handb. Laubh. 2: 89, fig. 53t-x (1907).
- Colutea orientalis* sensu Moench, Verz. Ausl. Bäume Sträuch. Weissenst. 24 (1785), non Miller (1768).
- C. gracilis** Freyn & Sintenis in Bull. Herb. Boissier, sér. 2, 4: 46 (1904).
- C. persica** Boissier, Diagn. Pl. Or. sér. 1, 6: 33 (1845). — Schneider, Ill. Handb. Laubh. 2: 90, fig. 55o-q, 56g-h (1907).
- C. persica** var. **Buhsei** Boissier, Fl. Or. 2: 196 (1872).
- C. nepalensis** Sims in Bot. Mag. 53: t. 262 (1826). — Schneider, Ill. Handb. Laubh. 2: 91, fig. 55r-u, 56f (1907).
- Colutea arborescens* var. *nepalensis* Baker in Hooker f., Fl. Brit. Ind. 2: 103 (1876).
- C. orientalis** Miller, Dict. Gard. ed. 8, C. no. 3 (1768). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 732 (1908).
- Colutea aperta* Moench, Verz. Ausl. Bäume Sträuch. Weissenst. 24 (1785).
- ?*Colutea humilis* Scopoli, Delic. Fl. Insub. 2: 23, t. 12 (1786).
- Colutea cruenta* Aiton, Hort. Kew. 3: 55 (1789).
- Colutea sanguinea* Pallas, Fl. Ross. 2: 88 (1788).
- Colutea rubra* [hort.] ex F. H[erincq] in Hort. Franç. 1852: 138 (1852), pro syn.
- HALIMODENDRON** Fischer ex De Candolle in Prodr. 2: 269 (1825); Mém. Legum. 6: 283 (1825). — Bentham & Hooker f., Gen. Pl. 1: 505 (1865).
- Halodendron* De Candolle, Prodr. 2: 269 (1825), pro syn.; non *Halodendrum* Du Petit-Thouars (1808) = *Halodendron* Roemer & Schultes (1818).
- Typus: *Robinia Halodendron* Pall. = *H. Halodendron* (Pall.) Schneid.
- H. Halodendron** [Pall.] Schneider, Ill. Handb. Laubh. 2: 93, fig. 58 (1907) "*halodendron*".
- Robinia Halodendron* Pallas, Reise Prov. Russ. Reich. 2,2: 741, t. w. (1773). — Linnaeus f., Suppl. Pl. 2: 330 (1781). — Mirbel in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 4: 67 [1804] "*Halodendrum*".
- Caragana argentea* Lamarck, Encycl. Méth. Bot. 1: 616 [1785].
- Pseudacacia halodendron* Moench, Meth. Pl. 146 (1794).
- Caragana Halodendrum* Hoffmannsegg, Verzeich. Pfl. 46 (1824).
- Halimodendron argenteum* Fischer ex De Candolle, Mém. Legum. 283 (1825).
- Halimodendron argenteum* a. *vulgare* De Candolle, Prodr. 2: 269 (1825).
- Halimodendron cuspidatum* Jaubert & Spach in Ann. Sci. Nat. Bot., sér. 2, 18: 239 (1842).
- Halimodendron emarginatum* Jaubert & Spach in op. cit. 240 (1842).
- Halimodendron Halodendron* Voss, Vilmor. Blumengärt. 1: 215 [1894], pro syn. — Druce in Rep. Bot. Exch. Club Brit. Isles, 1916: 626 (1917).
- H. Halodendron** f. **purpureum** Schneider, Ill. Handb. Laubh. 2: 93 (1907). — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 735 (1908) "lus."
- Halimodendron speciosum* Carrière in Rev. Hort. 1876: 30, t. (1876).
- Halimodendron argenteum* f. *purpureum* Späth ex Zabel in Beissner et al., Handb. Laubh.-Ben. 273 (1903), nom.
- CARAGANA** Lamarck, Encycl. Méth. Bot. 1: 615 [1785]. — Bentham & Hooker f., Gen. Pl. 1: 505 (1865). — Komarov in Act. Hort. Petrop. 29: 179-388, t. 1-20 (Gen. Carag. Monog.) (1909).
- Robinia* Linnaeus, Sp. Pl. 722 (1753), p. p.
- Robinia* † *Caraganae* [Besser], Cat. Pl. Hort. Cremen. 116 (1816), nom. subnud.
- Aspalathus* Kuntze, Rev. Gen. Pl. 1: 161 (1892), non Linnaeus (1753).
- Typus: *Robinia Caragana* L. = *C. arborescens* (L.) Lam.
- C. microphylla** Lamarck, Encycl. Méth. Bot. 1: 615 [1785]. — Komarov in Act. Hort. Petrop. 29: 344 (1909).
- Robinia Altagana* Pallas, Fl. Ross. 1,1: 68, t. 42 (1784), p. p., exclud. syn. et fig. centr. in tab. — L'Héritier, Stirp. Nov. 159, t. 76 [1791].
- Robinia microphylla* Pallas, Sp. Astragal. 116 (1800).
- Caragana Altagana* Poiret, Encycl. Méth. Bot. Suppl. 2: 89 (1811).
- Aspalathus microphylla* Kuntze, Rev. Gen. Pl. 1: 161 (1891).
- C. microphylla** var. **megalantha** Schneider, Ill. Handb. Laubh. 2: 97, fig. 60c (1907). — Komarov in Act. Hort. Petrop. 29: 350 (1909).
- C. arborescens** Lamarck, Encycl. Méth. Bot. 1: 615 [1785]. — Schneider, Ill. Handb. Laubh. 1: 95, fig. 59c-f, 60g-i (1907). — Komarov in Act. Hort. Petrop. 29: 321 (1909).
- Robinia Caragana* Linnaeus, Sp. Pl. 722 (1753).
- Caragana sibirica* Medicus in Vorles. Kurpfälz. Phys.-Oekon. Ges. 2: 368 (1787).
- Caragana inermis* Moench, Meth. Pl. 135 (1794).
- Caragana Caragana* Karsten, Deutsche Fl. 697 [1882]. — Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 736 (1908).
- Aspalathus Caragana* Kuntze, Rev. Gen. Pl. 1: 161 (1892).
- Caragana arborescens* var. *typica* Schneider, Ill. Handb. Laubh. 2: 95 (1907).
- Caragana caragana* A. *typica* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 737 (1909).
- C. arborescens** f. **Lorbergi** Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 61 [1907]. — Rehder in Bailey, Stand. Cycl. Hort. 2: 660 (1914) "var. *Lorbergii*".
- Caragana caragana* A. m. *Lorbergi* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 737 (1909).
- C. arborescens** f. **pendula** [Carr.] Zabel in Beissner et al., Handb. Laubh.-Ben. 274 (1903).

***Caragana arborescens* f. *pendula* (continued)**

*Caragana arborescens pendula* Carrière in Fl. des Serr. 11: 165 (1856).—Hartwig & Rümpler, Bäume Sträuch. 122 (1875) "var."

*Caragana caragana* lus. *pendula* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 737 (1908).

***C. arborescens* f. *nana* (Jäg.), grad. nov.**

*Caragana arborescens* var. *nana* Hort. ex Hartwig & Rümpler, Bäume Sträuch. 122 (1875), nom.—Jäger in Jäger & Beissner, Ziergeh. ed. 2, 70 (1884).

*Caragana caragana* A.b.2. *nana* Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 737 (1908).

***C. sophoraefolia* [*C. arborescens* × *microphylla*] Tausch**  
in Flora, 21,1(Beibl.): 77 (1838).—Komarov in Act. Hort. Petrop. 29: 332 (1909).

*Caragana cuneifolia* Dippel, Handb. Laubh. 3: 710 (1893).

*Caragana arborescens* var. *cuneifolia* Schneider, Ill. Handb. Laubh. 2: 95, fig. 60k (1907).

***C. fruticosa* (Pall.) Steudel, Nomencl. Bot. 1: 279 (1841).**  
—Komarov in Act. Hort. Petrop. 29: 333 (1909).

*Robinia Altagana* var. (*fruticosa*) Pallas, Fl. Ross. 1: 69 (1784).

*Robinia fruticosa* Pall.? ex [Besser], Cat. Hort. Cremen. 116 (1816), sub [ser.] *Caraganae*.

?*Robinia caragana* β. *arenaria* Sims in Bot. Mag. 44: t. 1886 (1817).

*Caragana Redowskii* De Candolle, Mém. Fam. Legum. 94, fig. 45 (1825).—Koehne, Deutsche Dendr. 339 (1893).

*Caragana arenaria* Loudon, Arb. Brit. 3: 631 (1838).

*Caragana Altagana* sensu Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 360 (in Mém. Biol. 2: 535. 1858) (1857), non Poirét (1811).

?*Caragana Redoffski* Kirchner in Petzold & Kirchner, Arb. Muscav. 385 (1864).

*Caragana arborescens* var. *fruticosa* Dippel, Handb. Laubh. 3: 709 (1893).

*Aspalathus Redowskii* Kuntze, Rev. Gen. Pl. 1: 161 (1891).

*Caragana arborescens* var. *amurensis* Maximowicz in herb. ex Schneider, Ill. Handb. Laubh. 2: 95 (1907), pro syn.—Komarov in Act. Hort. Petrop. 29: 333 (1909), pro syn.

?*Caragana arborescens* var. *Redowski* Bean, Trees Shrubs Brit. Isl. 1: 288 (1914).

***C. decorticans* Hemsley in Hooker's Icon. Pl. 18: t. 1725 (1887).**—Komarov in Act. Hort. Petrop. 29: 309, t. 14A (1909).

*Caragana ambigua* sensu Aitchison in Jour. Linn. Soc. Lond. Bot. 18: 43 (1880), non Stocks (1852).

*Caragana arborescens* sensu Prain in Jour. As. Soc. Bengal, 66,2: 372 (1897), non Lamarck (1785).

*Caragana Prainii* Schneider, Ill. Handb. Laubh. 2: 97, fig. 59r-s<sup>4</sup> (1907), 1015 (1912).

***C. Boisi* Schneider, Ill. Handb. Laubh. 2: 96, fig. 60l (1907).**—Ascherson & Graebner, Syn. Mitteleur. Fl. 6,2: 738 (1908) "*Boisii*".—Komarov in Act. Hort. Petrop. 29: 341, fig. 15B (1909).

*Caragana microphylla* var. *crasse aculeata* Bois in Vil-morin & Bois, Frutic. Vil-mor. 57, fig. (1904).

***C. pekinensis* Komarov in Act. Hort. Petrop. 29: 339, t. 15c (1909).**—Rehder in Jour. Arnold Arb. 7: 168 (1926).

*Caragana microphylla* γ. Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 90 (Enum. Pl. Chin. Bor. 16. 1833) (1835).

*Caragana microphylla* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 163 (1887), p. p.; non Lamarck [1786].

***C. brevispina* Royle, Ill. Bot. Himal. 198 [1835].**—Komarov in Act. Hort. Petrop. 29: 303 (1909).

*Caragana triflora* Lindley in Bot. Reg. 31(Misc.): 41 (1845).

*Aspalathus brevispinus* Kuntze, Rev. Gen. Pl. 1: 161 (1891).

*Aspalathus triflorus* Kuntze, l. c. (1891).

***C. sukiensis* Schneider, Ill. Handb. Laubh. 2: 99, fig. 61p-q<sup>2</sup>, 62h (1907);** in Bull. Herb. Boissier, sér. 2, 7: 313 (1907).—Komarov in Act. Hort. Petrop. 29: 297 (1909).***C. jubata* (Pall.) Poirét, Encycl. Méth. Bot. Suppl. 2: 89 (1811).**—Komarov in Act. Hort. Petrop. 29: 387, fig. 1 (1909).

*Robinia jubata* Pallas in Nov. Act. Acad. Sci. Petrop. 10,1 (Hist.): 236 (1797); 10,2(Math.-Phys.): 370, t. 6 (1797; exhib. Mai 1795).

*Robinia cauda camelii* Sievers ex Pallas, l. c. (1797), pro syn.

*Aspalathus jubatus* Kuntze, Rev. Gen. Pl. 1: 161 (1891).

***C. jubata* f. *fastigiata* R. E. Fries in Lustgård. 14: 130, fig. 2 (1933).*****C. Gerardiana* (Royle) Benth in Royle, Ill. Bot. Himal. 198, t. 34, fig. 1 [1835].**—Komarov in Act. Hort. Petrop. 29: 276, t. 13B (1909).

*Astragalus spinosissimus* Wallich, Num. List, no. 5935 [1832], nom.

*Astragalus Gerardianus* Graham ex Wallich, l. c. no. 5938 [1832].

*Caragana spinosissima* Benth in Royle, Ill. Bot. Himal. 198 [1835].

*Aspalathus Gerardianus* Kuntze, Rev. Gen. Pl. 1: 161 (1891).

***C. Franchetiana* Komarov in Act. Hort. Petrop. 29: 300, t. 13A (1909).**—Rehder in Jour. Arnold Arb. 13: 326 (1932).

*Caragana Gerardiana* var. *glabrescens* Franchet, Pl. De-lavay. 159 [1889].

*Caragana Komarovi* Léveillé in Bull. Acad. Intern. Géog. Bot. 25: 49 (1915).

***C. oreophila* W. W. Smith in Notes Bot. Gard. Edinb. 8: 181 (1914).*****C. tibetica* (Schneid.) Komarov in Act. Hort. Petrop. 29: 282, t. 10 (1909).**

*Caragana tragacanthoides* var. *tibetica* Maximowicz ex Schneider, Ill. Handb. Laubh. 2: 100, fig. 63a-b<sup>2</sup> (1907).

***C. Maximowicziana* Komarov in Act. Hort. Petrop. 29: 269, t. 11B (1909).**

*Caragana spinosa* var. *chinensis* Maximowicz in herb. ex Komarov, l. c. (1909), pro syn.

***C. tragacanthoides* (Pall.) Poirét, Encycl. Méth. Bot. Suppl. 2: 90 (1811).**—Komarov in Act. Hort. Petrop. 29: 270 (1909).

*Robinia tragacanthoides* Pallas in Nov. Act. Acad. Sci. Petrop. 10,1(Hist.): 237 (1797); 10,2(Math.-Phys.): 371, t. 7 (1797).

- Robinia macracantha* Loddiges ex Loudon, Arb. Brit. 2: 632 (1838), pro syn.  
*Aspalathus tragacanthoides* Kuntze, Rev. Gen. Pl. 1: 161 (1891).  
*Caragana tragacanthoides* a. *Pallasiana* [Fischer & Meyer], Enum. Pl. Nov. Schrenk Lect. 75 (1841).
- C. spinosa** (L.) De Candolle, Prodr. 2: 269 (1825).—Komarov in Act. Hort. Petrop. 29: 260 (1909).  
*Robinia spinosa* Linnaeus, Mant. Pl. 2: 269 (1771).  
*Robinia spinosissima* Laxmann in Nov. Comm. Acad. Sci. Petrop. 15: 558, t. 30, fig. 4 (1771).  
*Robinia ferox* Pallas, Fl. Ross. 1, 1: 70, t. 44 (1784).  
*Caragana ferox* Lamarck, Encycl. Méth. Bot. 1: 615 [1785].  
*Aspalathus spinosus* Kuntze, Rev. Gen. Pl. 1: 161 (1891).  
*Caragana tragacanthoides* Hort. ex Komarov in Act. Hort. Petrop. 29: 260 (1909), pro syn.; non Poirlet (1811).
- C. spinosa** var. *foliosa* Komarov in op. cit. 265 (1909).
- C. sinica** (Buc'hoz) Rehder in Jour. Arnold Arb. 22: 576 (1941).  
*Robinia sinica* Buc'hoz, Pl. Nouv. Decouv. 24, t. 22 (1779) "*R. sinensis*" in tab.  
*Caragana chamlagu* Lamarck, Encycl. Méth. Bot. 1: 616 [1785].—Komarov in Act. Hort. Petrop. 29: 200, t. 5, fig. B (1909).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 516 (1940).  
*Robinia chamlagu* Hort. Reg. [Paris] ex Lamarck, Encycl. Méth. Bot. 1: 616 [1785], pro syn.  
*Robinia lucida* Salisbury, Prodr. Stirp. Chap. Allert. 337 (1796).  
*Robinia chinensis* Persoon, Syn. Pl. 2: 312 (1807), pro syn.  
*Berberis caraganaefolia* De Candolle, Reg. Veg. Syst. 2: 18 (1821).  
*Caragana chinensis* Turczaninov ex Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 470 (Ind. Fl. Pekin.) (1859).  
*Caragana frutescens* L. *β. ussuriensis* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 4: 44 (1861).  
*Aspalathus Chamlagu* Kuntze, Rev. Gen. Pl. 1: 161 (1891).
- C. frutex** (L.) K. Koch, Dendr. 1: 48 (1869).—Komarov in Act. Hort. Petrop. 29: 224 (1909).  
*Robinia frutex* Linnaeus, Sp. Pl. 723 (1753).  
*Robinia frutescens* Linnaeus, Sp. Pl. ed. 1044 (1762).  
*Caragana digitata* Lamarck, Encycl. Méth. Bot. 1: 616 [1785].  
*Caragana cuneata* Moench, Meth. Pl. 135 (1794).  
*Caragana frutescens* De Candolle, Prodr. 2: 268 (1825).  
*Caragana frutescens* *β. angustifolia* De Candolle, l. c. (1825).  
*Caragana parvifolia* Hoffmannsegg, Preisverz. Pfl. ed. 8, 39 (1836).  
*Aspalathus frutescens* Kuntze, Rev. Gen. Pl. 1: 161 (1891).  
*Caragana frutex* var. *typica* Schneider, Ill. Handb. Laubh. 1: 102 (1907).—Komarov in Act. Hort. Petrop. 29: 225 (1909).  
*Caragana frutex* A.I.A. *angustifolia* Ascherson & Graebner, Syn. Mitteleur. Fl. 6, 2: 741 (1908).
- C. frutex** var. *grandiflora* Koehne, Herb. Dendr. no. 514 ex Schneider, Ill. Handb. Laubh. 2: 103, fig. 64w-y (1907).—Komarov in Act. Hort. Petrop. 29: 226 (1909).  
*Caragana frutescens* var. *grandiflora* Rehder in Bailey, Cycl. Am. Hort. [1]: 242 (1900), non Regel (1866).  
*Caragana glomerata* Hort. Halle ex Komarov, l. c. (1909), pro syn.  
*Caragana frutex* var. *macrantha* Rehder in Jour. Arnold Arb. 3: 40 (1922).
- C. frutex** a. *latifolia* (DC.) Schneider, Ill. Handb. Laubh. 2: 103, fig. 64t-v (1907).  
*Caragana frutescens* var. *latifolia* De Candolle, Prodr. 2: 268 (1825).—Komarov in Act. Hort. Petrop. 29: 226 (1909) "γ."  
*Caragana* [*frutescens*] var. *obtusifolia* et var. *acutifolia* Hort. ex Komarov, l. c. (1909), pro syn.
- C. pygmaea** (L.) De Candolle, Prodr. 2: 268 (1825).—Komarov in Act. Hort. Petrop. 29: 240 (1909).  
*Robinia pygmaea* Linnaeus, Sp. Pl. 723 (1753).  
*Caragana pygmaea* a. *typica* Regel & Herder in Bull. Soc. Nat. Moscou, 39, 1: 570 (1866).  
*Aspalathus pygmaeus* Kuntze, Rev. Gen. Pl. 1: 161 (1891).  
*Caragana incana* Bunge in herb. ex Komarov in Act. Hort. Petrop. 29: 240 (1909), pro syn.  
*Caragana nitida* Fischer in herb. ex Komarov, l. c. (1909), pro syn.  
*Caragana pygmaea* a. *Pallasiana* Komarov in op. cit. 241 (1909).
- C. aurantiaca** Koehne, Deutsche Dendr. 340 (1893).—Komarov in Act. Hort. Petrop. 29: 250 (1909).  
*Caragana pygmaea* sensu Ledebour, Fl. Alt. 3: 265 (1831), p. p.; non De Candolle (1825).  
*Caragana pygmaea* var. *aurantiaca erecta* Dieck, Haupt-Cat. Zöschel, 27 (1885).  
*Caragana arenaria* Dippel, Handb. Laubh. 3: 715 (1893), non Loudon (1838).  
*Caragana pygmaea* var. *arenaria* Maximowicz in herb. ex Komarov in Act. Hort. Petrop. 29: 250 (1909), pro syn.
- C. grandiflora** (Bieb.) De Candolle, Prodr. 2: 268 (1825).—Komarov in Act. Hort. Petrop. 29: 219 (1909).  
*Robinia grandiflora* Bieberstein, Fl. Taur.-Cauc. 2: 168 (1808).  
*Caragana frutescens* *δ. grandiflora* Regel & Herder in Bull. Soc. Nat. Moscou, 39, 1: 570 (1866).  
*Aspalathus grandiflorus* Kuntze, Rev. Gen. Pl. 1: 161 (1891).  
*Caragana pygmaea* a. *grandiflora* Dippel, Handb. Laubh. 3: 715 (1893).  
*Cytisopsis spinosa* Conrath in Bull. Herb. Boissier, 2: 327 (1894).—Komarov in Act. Hort. Petrop. 29: 220 (1909) "*Cytisops*"; pro syn.
- C. brevifolia** Komarov in op. cit. 211, t. 17 (1909).
- C. densa** Komarov in op. cit. 258, t. 7 (1909).
- CALOPHACA** [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, lxvii, 68 (1812).—Bentham & Hooker f., Gen. Pl. 1: 505 (1865).  
 TYPUS: *Cytisus wolgaricus* L. f. = *C. wolgarica* (L. f.) Fisch.  
 Sect. CALOPHACA Bentham & Hooker f., op. cit. 506 (1865).  
*Calophaca* sect. *Eucalophaca* Taubert in Nat. Pflanzenfam. III. 3: 284 (1894).
- C. wolgarica** (L. f.) [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, lxvii, 63 (1812).—Schneider, Ill. Handb. Laubh. 2: 104, fig. 65a-k (1907).  
*Cytisus wolgaricus* Linnaeus f., Suppl. Pl. 327 (1781).  
*Cytisus pinnatus* Pallas, Fl. Ross. 1, 1: 73, t. 47 (1784).

**Calophaca** (continued)

**C. grandiflora** Regel in Gartenfl. **35**: 517, t. 1231 (1886, Aug. or Sept.); in Act. Hort. Petrop. **9**: 607 (1886).

Sect. CHESNEYA (Endl.) Benth. & Hooker f., Gen. Pl. **1**: 506 (1865).—Taubert in Nat. Pflanzenfam. II. **3**: 284 (1894).

*Chesneya* Lindley ex Endlicher, Gen. Pl. 1275 (1840).

**C. crassicaulis** (Bak.) Komarov in Act. Hort. Petrop. **29**: 357 (1909).

?*Astragalus nubigenus* D. Don, Prodr. Fl. Nepal. 245 (1825).

*Astragalus crassicaulis* Graham ex Wallich, Num. List, no. 5932 [1832], nom.

?*Caragana* (*Nephelotrophe*) *nubigena* Bunge in Mém. Acad. Sci. St. Pétersb. sér. 7, **15,1**: 240 (Gen. Astrag. Monog. II.) (1869).

*Caragana crassicaulis* Benth. ex Baker in Hooker f., Fl. Brit. Ind. **2**: 117 (1876).

**ASTRAGALUS** Linnaeus, Sp. Pl. 755 (1753); Gen. Pl. ed. 5, 335, no. 799 (1754).—Benth. & Hooker f., Gen. Pl. **1**: 506 (1865).

*Phaca* Linnaeus, Sp. Pl. 755 (1753); Gen. Pl. ed. 5, 335, no. 798 (1754).

*Tragacantha* Miller, Gard. Dict. abridg. ed. 4, **3** (1754); Gard. Dict. ed. 8 (1768).—Kuntze, Rev. Gen. Pl. **1**: 210 (1891).

LECTOTYPUS: *A. christianus* L.

Sect. CERCIDOTHRIX Bunge in Mém. Acad. Sci. St. Pétersb. sér. 7, **11,14**: 2 (1868); **15,1**: 168 (1869) (Gen. Astrag. Sp. Geront. I, II. 1868–9).

**A. massiliensis** Lamarck, Encycl. Méth. Bot. **1**: 320 (1783).—Rouy & Foucaud, Fl. France, **5**: 185 (1899).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 801 (1908).

*Tragacantha Massiliensis* Miller, Gard. Dict. ed. 8, *T.* no. 1 (1768).

*Astragalus Tragacantha* Linnaeus, Sp. Pl. 762 (1753), p. p.—Schneider, Ill. Handb. Laubh. **2**: 105 (1907).

*Astragalus massiliensis a. genuinus* Rouy & Foucaud, Fl. France, **5**: 185 (1899).

**A. angustifolius** Lamarck, Encycl. Méth. Bot. **1**: 321 (1783).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 802 (1908).

*Astragalus olympicus* Pallas, Spec. Astrag. 4, t. 4, fig. 3 (1800).

*Astragalus echiodides* Willdenow, Sp. Pl. **3,2**: 1326 [1803].

*Astragalus leucophyllus* Willdenow, op. cit. 1331 [1803].

*Astragalus angustifolius a. genuinus* Boissier, Fl. Or. **2**: 489 (1872).

*Tragacantha angustifolia* Kuntze, Rev. Gen. Pl. **2**: 943 (1891).

*Tragacantha olympica* Kuntze, op. cit. 946 (1891).

Sect. CALYCOPHYSA Bunge in Mém. Acad. Sci. St. Pétersb. sér. 7, **11,14**: 2 (1868); **15,1**: 95 (1869) (Gen. Astrag. Sp. Geront. I, II. 1868–9).

**A. sempervirens** Lamarck, Encycl. Méth. Bot. **1**: 320 (1783).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 778 (1908).

?*Tragacantha glabra* Miller, Gard. Dict. ed. 8, *T.* no. 4 (1768).—Kuntze, Rev. Gen. Pl. **2**: 940 (1891).

*Phaca Tragacantha* Allioni, Fl. Pedem. **1**: 338 (1785).

*Astragalus Tragacantha* sensu Villars, Hist. Pl. Dauphin. **3**: 470 (1789), non Linnaeus (1753).

*Astragalus aristatus* L'Héritier, Stirp. Nov. 170 [1791].—Boissier, Fl. Or. **2**: 309 (1872).

*Astragalus Pseudo-Tragacantha* Tenore, Fl. Nap. **4**: 106 (1830).

*Tragacantha aristatus* Steven in Bull. Soc. Nat. Moscou, **4**: 269 (1832).

Sect. TRAGACANTHA Bunge in Mém. Acad. Sci. St. Pétersb. sér. 7, **11,14**: 2 (1868); **15,1**: 181 (1869) (Gen. Astrag. Sp. Geront. I, II. 1868–9).

**A. drusorum** Boissier, Diagn. Sp. Or. sér. 1, **9**: 78 (1849); Fl. Or. **2**: 371 (1872).

*Tragacantha drusorum* Kuntze, Rev. Gen. Pl. **2**: 944 (1891).

Tribe 7. HEDYSAREAE De Candolle, Prodr. **2**: 307 (1825).—Taubert in Nat. Pflanzenfam. III. **3**: 185 [1892], 309 (1894).

*Papilionaceae* 3. *Hedysareae* Reichenbach, Handb. Nat. Pflanzensyst. 226 (1837), p. p. typ.

*Leguminosae* subfam. *Hedysaroideae* Luerksen, Grundzüge Bot. 380 (1877).

**CORONILLA** Linnaeus, Sp. Pl. 742 (1753); Gen. Pl. ed. 5, 330, no. 789 (1754).—Benth. & Hooker f., Gen. Pl. **1**: 509 (1865).

*Emerus* Adanson, Fam. Pl. **2**: 328 (1763).

*Scorpius* Medicus in Vorles. Kurpfälz. Phys.-Oekon. Ges. **2**: 369 (1787).

LECTOTYPUS: *C. varia* L.

**C. Emerus** Linnaeus, Sp. Pl. 742 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 858 (1909).

*Coronilla Emerus f. vulgaris* Beck, Fl. Nieder-Öster. 867 (1892).

*Coronilla Emerus* var. *typica* Pospichal, Fl. Oester. Küstentl. **2**: 404 (1898).—Fiori, Fl. Anal. Ital. **2**: 93 (1899).

**C. emeroides** Boissier & Spruner ex Boissier, Diagn. Pl. Or. sér. 1, **2**: 100 (1843).—S[alomon] in Gartenfl. **24**: 323, t. 847 (1875).—Beck in Reichenbach, Icon. Fl. Germ. Helv. **22**: 138, t. 182, fig. 10–15 [1902].

*Coronilla Emerus* var. *austriaca* Heimerl in Verh. Zool.-Bot. Ges. Wien, **34**: 97 (1884).—Schneider, Ill. Handb. Laubh. **2**: 106, fig. 661 (1907).

*Coronilla Emerus* var. *multiflora* Čelakovský in Sitzber. Böhm. Ges. Wiss. **1887**: 536 (1888).

*Coronilla Emerus* var. *emeroides* Wohlfahrt in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, **1**: 646 (1892).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 859 (1909) "B."

*Coronilla emeroides* 1. *austriaca* Beck in Reichenbach, Icon. Fl. Germ. Helv. **22**: 139 (1902).

*Coronilla emeroides* 2. *typica* Beck, l. c. (1902).

**C. juncea** Linnaeus, Sp. Pl. 742 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **6,2**: 848 (1909).

**C. glauca** Linnaeus, Cent. Pl. **1**: 23 (1755).—Ascherson & Graebner, op. cit. 850 (1909).

**C. scorpioides** (L.) Koch, Syn. Fl. Germ. Helv. 188 (1837).—Ascherson & Graebner, op. cit. 847 (1909).

*Ornithopus scorpioides* Linnaeus, Sp. Pl. 744 (1753).

**C. valentina** Linnaeus, op. cit. 742 (1753).—Ascherson & Graebner, op. cit. 849 (1909).

**HEDYSARUM** Linnaeus, Sp. Pl. 745 (1753), p. p. typ.; Gen. Pl. ed. 5, 332, no. 793 (1754).—Benth. & Hooker f., Gen. Pl. **1**: 510 (1865).

LECTOTYPUS: *H. coronarium* L.



- H. multijugum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 464 (in Mém. Biol. 11: 212) (1881).
- H. multijugum** var. **apiculatum** Sprague in Bot. Mag. 132: t. 8091 (1906).  
*Hedysarum multijugum* sensu Regel in Gartenfl. 32: 193, t. 1122 (1883), non Maximowicz (1881), typus.
- ALHAGI** Adanson, Fam. Pl. 2: 328 (1763).—Desvaux in Jour. de Bot. (Desvaux) 1: 120, t. 4 (1813).—Bentham & Hooker f., Gen. Pl. 1: 512 (1865).—Keller & Shaparenko in Sovetsk. Bot. 3-4: 150-185 (1933).
- A. Pseud-alhagi** (Bieb.) Desvaux, l. c. (1813).  
*Hedysarum Pseud-alhagi* Bieberstein, Fl. Taur.-Cauc. 2: 174 (1808).  
*Alhagi Camelorum* [F. E. L. von Fischer], Cat. Jard. Gorenki n. ed. 72 (1812).  
*Alhagi Kirgisorum* Schrenk ex [Fischer & Meyer], Enum. Pl. Nov. Schrenk Coll. 84 (1841).
- A. maurorum** Medicus in Vorles. Kurpfälz. Phys.-Oekon. Ges. 2: 397 (1787).  
*Hedysarum Alhagi* Linnaeus, Sp. Pl. 745 (1753), p. p.  
*Alhagi mannifera* Desvaux in Jour. de Bot. (Desvaux) 1: 120 (1813).
- A. graecorum** Boissier, Diagn. Pl. Or. sér. 1, 9: 114 (1849).  
*Hedysarum Alhagi* sensu Lindley in Sibthorp, Fl. Graec. 8: t. 720 (1833), non Linnaeus (1753).  
*Alhagi mannifera* sensu Jaubert & Spach, Ill. Pl. Or. 5: t. 401 [1855], non Desvaux (1813).
- DESMODIUM** Desvaux in Jour. de Bot. (Desvaux), 1: 122, t. 5 (1813).—Bentham & Hooker f., Gen. Pl. 1: 519 (1865).—NOM. CONSERV.; cf. Règles Intern. Nomencl. Bot. 82, no. 3807 (1906).  
*Meibomia* Adanson, Fam. Pl. 2: 509 (1763).—Fabricius, Enum. Meth. Pl. Helmst. 311 (1763).—Kuntze, Rev. Gen. Pl. 1: 195 (1891).—Schindler in Repert. Sp. Nov. Reg. Veg. 20: 137 (1924).  
*Pleurolobus* St. Hilaire in Nouv. Bull. Soc. Philom. Paris, 3: 192 (1812).  
*Dollinera* Endlicher, Gen. Pl. 1285 (1841).
- D. tiliaefolium** (D. Don) G. Don, Gen. Hist. Dichlam. Pl. 2: 297 (1832).—Schindler in Repert. Sp. Nov. Reg. Veg. 22: 264 (1926) "*tiliifolium*."  
*Hedysarum tiliaefolium* D. Don, Prodr. Fl. Nepal. 244 (1825).  
*Desmodium rhabdocladum* Franchet, Pl. Delavay. 173 [1890].  
*Meibomia tiliaefolia* Kuntze, Rev. Gen. Pl. 1: 198 (1891).  
*Desmodium tiliifolium* var. *genuinum* f. *typicum* Schindler in Repert. Sp. Nov. Reg. Veg. 22: 265 (1926).
- D. spicatum** Rehder in Jour. Arnold Arb. 3: 41 (1922).  
*Desmodium tiliaefolium* sensu Craib in Sargent, Pl. Wilson. 2: 104 (1914), non G. Don (1832).  
*Desmodium cinerascens* sensu Hutchinson in Bot. Mag. 145: t. 8805 (1919), non Gray (1853), nec Franchet [1890] [= *D. Franchetii* Rehd.].
- D. floribundum** (D. Don) Sweet, Hort. Brit. 479 (1827).—G. Don, Gen. Hist. Dichlam. Pl. 2: 297 (1832).—Schindler in Repert. Sp. Nov. Reg. Veg. 22: 268 (1926), cum syn. multis.  
*Hedysarum floribundum* D. Don, Prodr. Fl. Nepal. 244 (1824).  
*Desmodium dubium* Lindley in Bot. Reg. 12: t. 967 (1826).  
*Meibomia floribunda* Kuntze, Rev. Gen. Pl. 1: 198 (1891).
- LESPEDEZA** Michaux, Fl. Bor.-Am. 2: 70 (1803).—Bentham & Hooker f., Gen. Pl. 1: 524 (1865).  
*Hedysarum* Linnaeus, Sp. Pl. 745 (1753), p. p.  
 LECTOTYPUS: *L. sessiliflora* Michx.
- L. Thunbergii** (DC.). Nakai, Lespedeza Jap. Korea, 15, 4 fig. (1927).  
*Hedysarum heterocarpon* sensu Thunberg, Fl. Jap. 287 (1784), non Linnaeus (1753).  
*Desmodium Thunbergii* De Candolle, Prodr. 2: 337 (1825).  
*Desmodium racemosum* sensu Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. Münch. 42: 121 (Fl. Jap. Fam. Nat. 1: 13) (1845), p. p.; non De Candolle (1825).  
*Desmodium penduliflorum* Oudemans in Neerl. Plantentuin, 2: t. 2 (1866).  
*Lespedeza Sieboldii* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 47 (Prol. Fl. Jap. 235) (1867), specim. Oldham 333 exclud.  
*Lespedeza bicolor* var.  $\gamma$ . *Sieboldii* Maximowicz in Act. Hort. Petrop. 2: 356 (1873), p. p.  
*Lespedeza formosa* Koehne, Deutsche Dendr. 343 (1893), p. p.  
*Lespedeza racemosa* Dippel, Handb. Laubh. 3: 720 (1893), exclud. syn.  
*Lespedeza penduliflora* Nakai in Bot. Mag. Tokyo, 37: 79 (1923).
- L. japonica** Bailey, Stand. Cycl. Hort. 4: 1845 (1916).—Nakai, Lespedeza Jap. Korea, 23 (1927).  
*Desmodium racemosum* var. *albiflorum* Siebold ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 48 (Prol. Fl. Jap. 236) (1867), in nota sub *L. cyrtobotrya*.  
*Lespedeza bicolor* a. *typica* "*floribus candidis*" Maximowicz in Act. Hort. Petrop. 2: 356 (1873).  
*Lespedeza bicolor* var. *intermedia* f. *albiflora* Matsumura in Bot. Mag. Tokyo, 16: 69 (1902).  
*Lespedeza Sieboldii* var. *albiflora* Schneider, Ill. Handb. Laubh. 2: 113 (1907).  
*Lespedeza formosa* var. *albiflora* Schindler in Bot. Jahrb. 49: 582 (1913).  
*Lespedeza bicolor* var. *alba* Bean, Trees Shrubs Brit. Isl. 2: 16 (1914).  
*Desmodium japonicum* Hort. ex Bailey, Stand. Cycl. Hort. 4: 1845 (1916), pro syn.  
*Lespedeza intermedia* var. *alba* Nakai in Bot. Mag. Tokyo, 37: 77 (1923).  
*Lespedeza japonica* var. *albiflora* Nakai, Lespedeza Jap. Korea, 25, fig. (1927).
- L. japonica** var. **intermedia** (Nakai) Nakai, Lespedeza Jap. Korea, 23, fig. (1927).  
*Lespedeza bicolor* var. *intermedia* sensu Nakai in Jour. Coll. Sci. Tokyo, 26, 1: 156 (1909), p. p.; non Maximowicz (1873).  
*Lespedeza intermedia* Nakai, Veg. Mt. Chirisan, 36, 56 (1915), cum descript. jap.; in Bot. Mag. Tokyo, 37: 76 (1923).
- L. bicolor** Turczaninow in Bull. Soc. Nat. Moscou, 13: 69 (1840).—Rehder in Jour. Arnold Arb. 7: 173 (1926).—Nakai, Lespedeza Jap. Korea, 63, 3 fig. (1927).  
*Lespedeza bicolor* a. *typica* Maximowicz in Act. Hort. Petrop. 2: 356 (1873).
- L. Maximowiczii** Schneider Ill. Handb. Laubh. 2: 113, fig. 70i, 71b-i<sup>2</sup> (1907).—Nakai, Lespedeza Jap. Korea, 38, 3 fig. (1927).  
*Lespedeza Buergeri* sensu Maximowicz in Act. Hort. Petrop. 2: 353 (1873), non Miquel (1867).

**Lespedeza Maximowiczii** (*continued*)

- Lespedeza Friebeana* Schindler in Repert. Sp. Nov. Reg. Veg. 9: 514 (1911); in Sargent, Pl. Wilson. 2: 111 (1914).
- Lespedeza Buergeri* var. *praecox* Nakai in Bot. Mag. Tokyo, 25: 55 (1911).
- Lespedeza praecox* Nakai in Cat. Sem. Spor. Univ. Imp. Tokyo, 1914: 20 (1914).
- L. Buergeri** Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 47 (Prol. Fl. Jap. 235) (1867). — Schindler in Sargent, Pl. Wilson. 2: 106 (1914). — Nakai, *Lespedeza* Jap. Korea, 31, 3 fig. (1927).
- Lespedeza Sieboldii* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 47 (Prol. Fl. Jap. 235) (1867), p. p.
- Lespedeza cyrtobotrya* Miquel in op. cit. 48 (236) (1867), p. p.
- Lespedeza bicolor*  $\beta$ . *intermedia* Maximowicz in Act. Hort. Petrop. 2: 356 (1873), p. p.
- L. cyrtobotrya** Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 48 (Prol. Fl. Jap. 236) (1867), p. p. typ. — Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 180 (1887), err. typogr. "*cyclobotrya*". — Schindler in Sargent, Pl. Wilson. 2: 112 (1914). — Nakai, *Lespedeza* Jap. Korea, 42, 4 fig. (1927).
- Lespedeza bicolor* sensu Harms in Bot. Jahrb. 29: 415 (1900), p. p. quoad specim. Giraldis 1557, 1559; non Turczaninov (1840).
- Lespedeza virgata* sensu Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 2: 121 (Fl. Jap. Fam. Nat. 1: 13) (1845), p. p.; non De Candolle (1825).
- Campylotropis virgata* Miquel, Fl. Ind. Batav. 1: 230 (1855).
- Lespedeza bicolor* sensu Maximowicz in Act. Hort. Petrop. 2: 355 (1873), p. p.; non Turczaninov (1840).
- Lespedeza bicolor* var. *intermedia* Maximowicz in op. cit. 356 (1873), p. p.
- L. Delavayi** Franchet in Rev. Hort. 1890: 225, fig. 70 [1890].
- L. cuneata** (Dum. Cours.) G. Don, Gen. Hist. Dichlam. Pl. 2: 307 (1832).
- Hedysarum sericeum* Thunberg, Fl. Jap. 287 (1784).
- Anthyllis cuneata* Hort. Angl. ex Dumont de Courset, Bot. Cult. ed. 2, 6: 100 (1811).
- Aspalathus cuneata* D. Don, Prodr. Fl. Nepal. 246 (1825).
- Lespedeza juncea* De Candolle, Prodr. 2: 348 (1825), p. p.
- Hedysarum junceum* Roxburgh, Fl. Ind. [ed. 2], 3: 362 (1832), non Linnaeus f. (1763).
- Indigofera chinensis* Vogel in Verh. Leop.-Carol. Akad. Naturf. 19(Suppl.): 14 (1843).
- Lespedeza argyrea* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 2: 120 (Fl. Jap. Fam. Nat. 1: 12) (1845).
- Lespedeza juncea* Miquel in Jour. Bot. Néerl. 1: 123 (1861).
- Lespedeza sericea* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 49 (Prol. Fl. Jap. 237) (1867). — Schindler in Sargent, Pl. Wilson. 2: 105 (1914). — Non Bentham [1852].
- Lespedeza juncea* var. *sericea* Maximowicz in Act. Hort. Petrop. 2: 371, in nota (1873). — Hemsely in Jour. Linn. Soc. Lond. Bot. 23: 181 (1887).
- CAMPYLOTROPIS** Bunge in Uchen. Zapiski Kazan. Univ. 1835, 4: 157 (Pl. Mongh.-Chin. Dec. 1, 7) (1835); in Ann. Sci. Nat. Bot. sér. 2, 6: 57 (1836). — Schindler in Repert. Sp. Nov. Reg. Veg. 11: 338 (1912).

*Oxyramphus* Wallich, Num. List, no. 5348 (1832), nom. — Lindley in Bot. Reg. 32: t. 28 (1846).

*Phlebosporium* Junghuhn, Topog. Naturw. Reis. Java, 346, 347 (1845), err. "*Phlebosprium*"; in Flora, 30: 508 (1847). — Bentham & Hooker f., Gen. Pl. 1: 524 (1865).

*Lespedeza* sect. *Campylotropis* Bentham in Hooker Jour. Bot. 4: 48, in nota (1852). — Maximowicz in Act. Hort. Petrop. 2: 345, 347 (1873) "subgen."

TYPE: *Campylotropis chinensis* Bge. = *C. macrocarpa* (Bge.) Rehd.

**C. macrocarpa** (Bunge) Rehder in Sargent, Pl. Wilson. 2: 113, in nota (1914); in Jour. Arnold Arb. 7: 178 (1926).

*Lespedeza macrocarpa* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 92 (Enum. Pl. Chin. Bor. 18. 1833) (1835). — Nakai, *Lespedeza* Jap. Korea, 5, 2 fig. (1927).

*Campylotropis chinensis* Bunge in Uchen. Zapiski Kazan. Univ. 1835, 4: 158 (Pl. Mongh.-Chin. Dec. 1, 7) (1835). — Schindler in Sargent, Pl. Wilson. 2: 113 (1914).

*Lespedeza ciliata* Bentham in Jour. Bot. (Hooker), 4: 48, in nota (1835).

*Lespedeza chinensis* Maximowicz in Act. Hort. Petrop. 2: 347 (1873), non G. Don (1832).

*Lespedeza ichangensis* Schindler in Repert. Sp. Nov. Reg. Veg. 9: 515 (1911).

*Lespedeza Rosthornii* Schindler in op. cit. 516 (1911).

*Lespedeza Muehleana* Schindler in op. cit. 527 (1911), p. p.

**C. Falconeri** (Prain) Schindler in Repert. Sp. Nov. Reg. Veg. 11: 424 (1912).

*Oxyramphus macrostyla* Lindley in Bot. Reg. 32: t. 28 (1846), p. p.; non Wallich [1832].

*Lespedeza macrostyla* Maximowicz in Act. Hort. Petrop. 2: 348 (1873), p. p.

*Lespedeza eriocarpa* Baker in Hooker f., Fl. Brit. Ind. 2: 144 (1879), p. p.

*Lespedeza eriocarpa* var. *Falconeri* Prain in Jour. As. Soc. Bengal, 66: 376 (1897).

*Lespedeza dubia* Schindler in Repert. Sp. Nov. Reg. Veg. 9: 514 (1911).

Trib. 8. PHASEOLEAE Bronn, Form. Pl. Legum. 133 (1822). — Bentham & Hooker f., Gen. Pl. 1: 451 (1865). — Taubert in Nat. Pflanzenfam. III. 3: 186 [1892], 356 (1894).

*Papilionaceae* v. *Fabaceae* Reichenbach, Consp. Reg. Veg. 149 (1829), nom. subnud.

*Papilionaceae* 1, *Loteae* c. *Fabaceae*  $\beta$ . *Phaseolae* et  $\gamma$ . *Glycineae* Reichenbach, Handb. Nat. Pflanzensyst. 226 (1837), p. p. typ.

*Leguminosae* subfam. *Phaseoloideae* Luerssen, Grundzüge Bot. 381 (1877).

**PUERARIA** De Candolle in Ann. Sci. Nat. 4: 97 (1825). — Bentham & Hooker f., Gen. Pl. 1: 537 (1865).

*Neustanthus* Bentham in [Junghuhn] Pl. Junghuhn. 1: 234 [1852].

TYPE: *Hedysarum tuberosum* Willd. = *P. tuberosa* (Willd.) DC.

**P. Thunbergiana** Bentham in Jour. Linn. Soc. Lond. Bot. 9: 122 (1867). — Rehder in Jour. Arnold Arb. 13: 331 (1932).

*Dolichos hirsutus* Thunberg in Trans. Linn. Soc. Lond. 2: 339 (1794).

- Pachyrrhizus Thunbergianus* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 237 (Fl. Jap. Fam. Nat. **2**: 113) (1846).  
*Pueraria hirsuta* Schneider, Ill. Handb. Laubh. **2**: 114, fig. 72 (1907), non Kurz (1873).  
*Pueraria Bodinieri* Léveillé & Vaniot in Bull. Soc. Bot. France, **55**: 425 (1908).  
*Pueraria* Koten Léveillé in op. cit. 426 (1908).  
*Pueraria Argyi* Léveillé & Vaniot in op. cit. 426 (1908).  
*Pueraria coerulea* Léveillé & Vaniot in op. cit. 427 (1908).  
*Pueraria hirsuta* a. *typica* Makino in Jour. Jap. Bot. **8**: 12, fig. 1 (1932).  
*Pueraria Thunbergiana* var. *typica* Honda in Bot. Mag. Tokyo, **46**: 636 (1932).

## Fam. ZYGOPHYLLACEAE

- ZYGOPHYLLACEAE Horaninov, Prim. Lin. Syst. Nat. 102 (1834).—Lindley, Nat. Syst. Bot. ed. 2, 133 (1836).—Engler in Nat. Pflanzenfam. III. **4**: 74 (1890); 353 (1896).—Nom. Conserv.; cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 64 (1935); Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936).  
*Zygophylleae* R. Brown in Flinders, Voy. Terra Austral. **2**: 545 (1814).  
*Nitrariaceae* Lindley, Introd. Nat. Syst. Bot. 163 (1830).  
*Aizoideae* 3. *Tamariscineae* a. *Nitrariaceae* Reichenbach, Handb. Nat. Pflanzensyst. 240 (1837).  
*Sapindaceae* lb. *Zygophylleae genuinae* Reichenbach, op. cit. 285 (1837).  
*Nitrariaceae* Presl (1820) ex Presl, Wseob. Rostlin. **1**: 673 (1846).  
*Rutaceae* trib. *Zygophyllariae* Horaninov, Char. Ess. Fam. Reg. Veg. 179 (1847).  
*Linaceae* trib. *Nitrariaceae* Horaninov, op. cit. 198 (1847).  
*Reaumuriaceae* Pfeiffer, Synon. Bot. 296 (1870), p. p. quoad *Nitraria*.  
ZYGOPHYLLUM Linnaeus, Sp. Pl. 385 (1753); Gen. Pl. ed. 5, 182, no. 474 (1754).—Bentham & Hooker f., Gen. Pl. **1**: 266 (1862), exclud. sp. nonnull.  
*Fabago* Adanson, Fam. Pl. **2**: 507 (1763).  
*Agrophyllum* Necker, Elem. Bot. **2**: 227 (1790).  
*Roepera* Jussieu in Mém. Mus. Hist. Nat. Paris, **12**: 454, t. 15 (1825).  
*Sarcozygium* Bunge in Linnaea, **17**: 7 (1843).—Bentham & Hooker f., Gen. Pl. **1**: 266 (1862).  
LECTOTYPUS: *Z. Fabago* L.

- Z. Xanthoxylum** (Bge.) Maximowicz, Fl. Tangut. 103 (1889).—Engler in Nat. Pflanzenfam. III. **4**: 81 (1890).  
*Sarcozygium xanthoxylum* Bunge in Linnaea, **17**: 8, t. 1 (1843).

- NITRARIA** Linnaeus, Syst. Nat. ed. 10, **2**: 1044 (1759).—Bentham & Hooker f., Gen. Pl. **1**: 265 (1862).  
TYPUS: *N. Schoberi* L.

- N. Schoberi** Linnaeus, Syst. Nat. ed. 10, **2**: 1044 (1759); Sp. Pl. ed. 2, 638 (1762).—De Candolle, Prodr. **3**: 456 (1828).—Komarov in Act. Hort. Petrop. **29**: 154 (1908).  
? *Zygophyllum Nitraria* Höjer (Linnaeus praes.) Demonstr. Pl. Hort. Upsal. (1753) ex Linnaeus in Amoen. Acad. **3**: 409 (1787), nom. subnud.

## Fam. RUTACEAE

- RUTACEAE Jussieu, Gen. Pl. 296 (1786).—De Candolle, Prodr. **1**: 789 (1824).—Bentham & Hooker f., Gen.

- Pl. **1**: 278–306 (1862).—Engler in Nat. Pflanzenfam. III. **4**: 95–201, fig. (1896).  
*Terebinthaceae* Jussieu, Gen. Pl. 368 (1789), p. p.—De Candolle, Prodr. **2**: 61 (1825) "*Terebinthaceae*", p. p.  
*Aurantiaceae* [Correa de Serra in Ann. Mus. Nat. Hist. Paris, **6**: 376 (1805) "fam. des Orangers".—Mirbel in Nouv. Bull. Sci. Soc. Philom. Paris [sér. 2], **3**: 377 [1813] "Aurantiacées".—] De Candolle, Prodr. **1**: 535 (1824).  
*Amyrideae* R. Brown in Tuckey, Narr. Exped. Zaire, 431 (Obs. Coll. Pl. Congo) (1812).  
*Xanthoxyleae* Nees & Martius in Verh. Leop.-Carol. Akad. Naturf. **11**(III): 183 (1823).  
*Fraxinelleae* trib. i. *Ruteae* et trib. III. *Zanthoxyleae* Nees & Martius in op. cit. **11**, **2**: 714 (1823).  
*Pteleaceae* Kunth in Ann. Sci. Nat. **2**: 354 (1824).  
*Amyridaceae* Lindley, Nat. Syst. Bot. ed. 2, 165 (1836), p. p. typ.  
*Xanthoxylaceae* Lindley, op. cit. 135 (1836).  
*Rutaceae* 2. *Rutariae* b. *Zanthoxyleae* et c. *Ruteae* Reichenbach, Handb. Nat. Pflanzensyst. 282 (1837).  
*Hesperideae* 3. *Aurantiaeae* Reichenbach, op. cit. 314 (1837).  
*Zanthoxylaceae* Meissner, Pl. Vasc. Gen. **1**: 64; **2**: 46 [1837].—Gray, Bot. Text-book, 252 (1842).  
*Meliaceae* trib. *Aurantiaeae* Horaninov, Tetractys Nat. 33 (1843), nom.  
*Zanthoxyleae* subfam. *Zanthoxyleae* Presl, Wseob. Rostlin. **1**: 282 (1846).  
*Zanthoxyleae* subfam. *Pteleaceae* Presl, op. cit. 285 (1846).  
*Meliaceae* trib. *Limoniariae* s. *Aurantiaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 204 (1847), nom. altern.  
*Correaceae* Agardh, Theor. Syst. Pl. 229 (1858).  
*Citraceae* Drude in Schenk, Handb. Bot. **3**, **2**: 391 (1887).

- ZANTHOXYLUM** Linnaeus, Sp. Pl. 270 (1753), exclud. *Z. trifoliatum*; Gen. Pl. ed. 5, 130, no. 335 (1754), p. p.—Walter, Fl. Carol. 52, 243 (1789) "*Zanthoxylon*".—J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13 auct., **2**: 509 (1791) "*Xanthoxylum*".—Sprengel, Anleit. Kenntn. Gew. ed. 2, **2**: 655 (1818) "*Xanthoxylon*".—Bentham & Hooker f., Gen. Pl. **1**: 247 (1862).—P. Wilson in N. Am. Fl. **25**: 177 (1911).

LECTOTYPUS: *Z. Clava-herculis* L.

- Subgen. THYLAX (Raf.) Rehder in Jour. Arnold Arb. **26**: 71 (1945).  
*Fagara* Duhamel, Traité Arb. Arbust. **1**: 229, t. 97 (1755).  
*Zanthoxylum* Linnaeus, Syst. Nat. ed. 10, **2**: 1290 (1759), p. p. quoad *Fagara* Duhamel; non Linnaeus (1753).  
*Thylax* Rafinesque, Med. Bot. **2**: 114 (1830).  
*Zanthoxylum* sect. *Zanthoxylum* G. Don, Gen. Hist. Dichlam. Pl. **1**: 801 (1831), non *Zanthoxylum* Linnaeus (1753), p. p.  
*Zanthoxylum* a. *Euzanthoxylum* Endlicher, Gen. Pl. 1146 (1840).—Schneider, Ill. Handb. Laubh. **2**: 118 (1907) "subgen."—Rehder, Man. Cult. Trees Shrubs, ed. 2, 524 (1940) "subgen."—Non *Zanthoxylon* Linnaeus (1753).  
*Zanthoxylon* Engler in Nat. Pflanzenfam. III. **4**: 115 (1896).—Graebner in Ascherson & Graebner, Syn. Mitteleur. Fl. **7**: 237 (1914).—Non *Zanthoxylum* Linnaeus (1753).  
**Z. americanum** Miller, Gard. Dict. ed. 8, *Z.* no. 2 (1768) "*Xanthoxylum*".—P. Wilson in N. Am. Fl. **25**: 180 (1911).  
*Zanthoxylum Clava herculis* Linnaeus, Sp. Pl. ed. 2, 1455 (1763), p. p. quoad syn. Duhamel.

**Zanthoxylum americanum** (continued)

- Zanthoxylum clava Herculis* var. *Americanum* (Mill.) C. F. Ludwig, Neu. Wilde Baumz. 56 (1783).  
*Zanthoxylum fraxinifolium* Marshall, Arbust. Am. 167 (1785).  
*Zanthoxylum ramiflorum* Michaux, Fl. Bor.-Am. 2: 235 (1803).  
*Zanthoxylum fraxineum* Willdenow, Sp. Pl. 4: 757 [1806].  
*Zanthoxylum mite* Willdenow, Enum. Pl. Hort. Berol. 103 (1809).  
*Thylax fraxineum* Rafinesque, Med. Bot. 2: 114 (1830).
- Z. alatum** Roxburgh, Fl. Ind. [ed. 2] 3: 768 (1832).—Hooker f., Fl. Brit. Ind. 1: 493 (1875).
- Z. alatum** var. *subtrifoliolatum* Franchet, Pl. Delavay. 124 [1889].  
*Zanthoxylum planispinum* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 42: 138 (Fl. Jap. Fam. Nat. 1: 30) (1845), p. p.  
*Zanthoxylum Bungei* sensu Hance in Ann. Sci. Nat. Bot. sér. 5, 5: 209 (1866), non Planchon (1853).  
*Zanthoxylum alatum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 105 (1886), non Roxburgh (1832).  
*Zanthoxylum alatum* var. *planispinum* Rehder & Wilson in Sargent, Pl. Wilson. 2: 125 (1914).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 524 (1940).
- Z. simulans** Hance in Ann. Sci. Nat. Bot. sér. 5, 5: 208 (1866).—Rehder in Jour. Arnold Arb. 7: 181 (1926); 14: 223 (1933).  
*Zanthoxylum nitidum* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 87 (Enum. Pl. Chin. Bor. 13. 1833) (1835); non de Candolle (1824).  
*Zanthoxylum Bungei* Planchon in Ann. Sci. Nat. Bot. sér. 3, 19: 82 (1853), nom.—Hance in Jour. Bot. 13: 131 (1875) "*Zanthoxylum*".—Rehder & Wilson in Sargent, Pl. Wilson. 2: 121 (1914).—Non Hance (1866).  
*Zanthoxylum Bungeanum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 16: 212 (in Mém. Biol. 8: 2) (1871).  
*Zanthoxylum Bungei* var. *imperforatum* Franchet in Mém. Soc. Sci. Nat. Math. Cherbourg, 24: 205 (Cat. Pl. Tchéfou) (1884).  
*Zanthoxylum fraxinoides* Hemsley in Ann. Bot. 9: 148 (1895).  
*Zanthoxylum Argyi* Léveillé in Mém. Acad. Ci. Art. Barcelona, 12: 560 (Cat. Pl. Kiang-Sou, 20) (1916).
- Z. piperitum** De Candolle, Prodr. 1: 725 (1824).—Schneider, Ill. Handb. Laubh. 2: 120, fig. 74n-s (1908).
- Z. Piasezkii** Maximowicz in Act. Hort. Petrop. 11: 93 (1889).  
*Zanthoxylum piperitum* De Candolle ex Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 107 (1886), p. p. quoad pl. Piasezkii.
- Subgen. FAGARA (sensu L.) Schneider, Ill. Handb. Laubh. 2: 120 (1907).  
*Zanthoxylum* Linnaeus, Sp. Pl. 270 (1753); Gen. Pl. ed. 5, 130, no. 335 (1754), Syst. Nat. ed. 10, 2: 1290 (1759); exclud. syn. Duhamel et sp. 2.  
*Pterota* P. Browne, Civ. Nat. Hist. Jamaica, 146 (1756).  
*Fagara* Linnaeus, Syst. Nat. ed. 10, 2: 897 (1759).—Engler in Nat. Pflanzenfam. III. 4: 115 (1896).—Non Duhamel (1755).  
*Blackburnia* Forster, Char. Gen. Pl. 12, t. 6 (1776).—Endlicher, Gen. Pl. 1147 (1840).  
*Macqueria* Commerson ex Jussieu, Gen. Pl. 374 (1789), pro syn.

- Curtisia* Schreber in Linnaeus, Gen. Pl. ed. 8, 1: 199 (1789); 2: 826 (1791), pro syn. generis "*Ochroxylum*".—J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 498 (1791).—Non Aiton (1789).
- Ochroxylum* Schreber in Linnaeus, Gen. Pl. ed. 8, 2: 826 (1791).—Jaume St.-Hilaire, Expos. Fam. Nat. 2: 259 (1805).—Steudel, Nomencl. Bot. 2: 202 (1841) "*Ochroxylon*."
- Kampmannia* Rafinesque in Med. Repos. New York, hex. 2, 5: 352 (1808).
- Tenorea* Rafinesque in Specchio Sci. 1: 192 (1814).  
*Pseudopetalon* Rafinesque, Fl. Ludovic. 107 (1817).  
*Langsdorfia* Leandro do Sacramento in Denkschr. Akad. Wiss. Münch. 7: 229 (1821), non Martius (1818).  
*Pohlana* Leandro do Sacramento, l. c. (1821).—Nees & Martius in Verh. Leop.-Carol. Akad. Naturf. 12, 1: 17 (1824).  
*Pentanome* Moçino & Sesse ex De Candolle, Prodr. 1: 725 (1824), pro syn.  
*Tobinia* Desvaux ex Hamilton, Prodr. Pl. Ind. Occ. 56 (1825).  
*Dimeium* Rafinesque, Med. Bot. 2: 114 (1830).  
*Herculium* Rafinesque, l. c. (1830).  
*Zanthoxylum* sect. *Fagara*, sect. *Ochroxylum*, sect. *Langsdorfia* G. Don, Gen. Hist. Dichlam. Pl. 1: 802-4 (1831).
- Z. schinifolium** Siebold & Zuccarini in Abh. Math.-Phys. Akad. Wiss. Münch. 42: 137 (Fl. Jap. Fam. Nat. 1: 29) (1845).—Rehder in Jour. Arnold Arb. 7: 184 (1926).  
*Xanthoxylum mantchuricum* Bennett in W. F. Daniell in Ann. Mag. Nat. Hist. ser. 3, 10: 200 (1862).  
*Fagara schinifolia* Engler in Nat. Pflanzenfam. III. 4: 118 (1896).  
*Fagara mantchurica* Honda in Bot. Mag. Tokyo, 46: 633 (1932).
- Z. stenophyllum** Hemsley in Ann. Bot. 9: 147 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 127 (1914).—Rehder in Jour. Arnold Arb. 14: 223 (1933).  
*Fagara stenophylla* Engler in Nat. Pflanzenfam. III. 4: 118 (1896).  
*Zanthoxylum Esquirolii* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 266 (1914).
- EVODIA** Forster, Char. Gen. Pl. 13, t. 7 (1776) "*Euodia*".—Scopoli, Introduct. Hist. Nat. 250, index (1777).—Bentham & Hooker f., Gen. Pl. 1: 296 (1862).  
*Lepta* Loureiro, Fl. Cochinch. 1: 82 (1790).  
*Tetradium* Loureiro, op. cit. 91 (1790).  
*Philagonia* Blume, Catal. Een. Gew. Buitenz. 20 (1823); Bijdrag. Fl. Nederl. Ind. 250 (1825).  
*Boymia* Jussieu in Mém. Mus. Hist. Nat. Paris, 12: 507, t. 25, fig. 39 (Mém. Rut. 124) (1825).  
*Megabotrya* Hance in Walpers, Ann. Bot. Syst. 2: 258 (1851).  
*Xanthoxylon* subgen. *Oxyactis* Bennett in W. F. Daniell in Ann. Mag. Nat. Hist. ser. 3, 10: 201 (1862).
- E. Daniellii** (Benn.) Hemsley in Jour. Linn. Soc. Lond. 23: 104 (1886).—Rehder in Jour. Arnold Arb. 7: 185 (1926).  
*Xanthoxylum Daniellii* Bennett in W. F. Daniell in Ann. Mag. Nat. Hist. ser. 3, 10: 201, fig. 5 (1862).  
*Zanthoxylum Bretschneideri* Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 73 (in Mém. Biol. 11: 655) (1884).
- E. hupehensis** Dode in Bull. Soc. Bot. France, 55: 707 (1908).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 133 (1914).

- Evodia Daniellii* Pritzel in Bot. Jahrb. **29**: 423 (1900), p. p.; non Hemsley (1886).
- E. Henryi** Dode in Bull. Soc. Bot. France, **55**: 707 (1908). — Rehder in Jour. Arnold Arb. **7**: 185 (1914).  
*?Zanthoxylum Daniellii* sensu Maximowicz in Act. Hort. Petrop. **11**: 93 (1898), non Bennett (1862).  
*Evodia Daniellii* Pritzel in Bot. Jahrb. **29**: 423 (1900), p. p.; non Hemsley (1886).
- E. velutina** Rehder & Wilson in Sargent, Pl. Wilson. **2**: 134 (1914).
- E. glauca** Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 23 (Prol. Fl. Jap. 211) (1867). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 129 (1914).  
*Evodia meliifolia* sensu Pritzel in Bot. Jahrb. **29**: 423 (1900). — Shirasawa, Icon. Ess. For. Jap. **2**: t. 34, fig. 1-9 (1908). — Non *E. meliaefolia* Benth. (1861).  
*Evodia Fargesii* Dode in Bull. Soc. Bot. France, **55**: 704 (1908).
- E. officinalis** Dode in op. cit. 703 (1908). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 130 (1914).  
*Evodia rutaecarpa* sensu Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **18**: 169 (1911), non Benth. (1861).
- E. Bodinieri** Dode in Bull. Soc. Bot. France, **55**: 703 (1908).
- ORIXA** Thunberg, Nov. Gen. Pl. **3**: 57 (1783); Fl. Jap. **3**, 61 (1784). — Graebner in Ascherson & Graebner, Syn. Mitteleur. Fl. **7**: 239 (1914).  
*Celastrus* sensu Benth. & Hook. f., Gen. Pl. **1**: 997 (1867), p. p. quoad syn. *Orixa*; non Linnaeus (1753).
- O. japonica** Thunberg, Fl. Jap. 61 (1784). — Schneider, Ill. Handb. Laubh. **2**: 121, fig. 73s-y, 76a (1907). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 135 (1914). — Rehder in Jour. Arnold Arb. **14**: 224 (1933).  
*Othera Orixa* Lamarck, Tabl. Encycl. Méth. Bot. **1**: 310 (1791). — Roth, Bot. Bemerk. Bericht. 147 (1807). — Poiret, Encycl. Méth. Bot. Suppl. **4**: 187 (1816).  
*Ilex Orixa* Sprengel, Syst. Veg. **1**: 496 (1825).  
*Celastrus Orixa* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 150 (Fl. Jap. Fam. Nat. **1**: 42) (1845).  
*Euodia ramiflora* Gray in Mem. Am. Acad. Arts Sci. n. ser., **6**: 383 (Diag. Char. Pl. Jap. [Bot. Jap.]) [1859].  
*Celastrus japonica* K. Koch, Dendr. **1**: 625 (1869).  
*Othera japonica* Nicholson, Dict. Gard. **2**: 532 [1886].  
*Sabia Feddei* Léveillé in Repert. Sp. Nov. Reg. Veg. **9**: 456 (1911).  
*Sabia Cavaleriei* Léveillé, l. c. (1911).  
*Glochidion Vanioti* Léveillé, Fl. Kouy-Tchéou, 164 (1914).
- CHOISYA** Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. **6**: 4 (1823). — Benth. & Hook. f., Gen. Pl. **1**: 297 (1862). — P. Wilson in N. Am. Fl. **25**: 205 (1911).  
*Plenckia* Moçino & Sessé ex De Candolle, Prodr. **1**: 724 (1824), pro syn.  
*Juliania* Llavé & Lexarza, Nov. Veg. Descr. **2**: 4 (1825). — Reichenbach, Repert. Herb. **98** (1841) "*Juliana*."  
*Astrophyllum* Torrey in Torrey & Gray, Rep. Bot. (in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Ocean, **2**: 2: 161) (1854).  
TYPUS: *C. ternata* H. B. K.
- C. ternata** Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. **6**: 6 (fol. ed. p. 4), t. 53 (1823).
- Juliania caryophyllata* Llavé & Lexarza, Nov. Veg. Descr. **2**: 4 (1825).
- Choisya grandiflora* Regel in Gartenfl. **25**: 257, t. 876 (1876); in Act. Hort. Petrop. **4**: 336 (1876).
- RUTA** Linnaeus, Sp. Pl. 383 (1753); Gen. Pl. ed. 5, 180, no. 469 (1754). — Benth. & Hook. f., Gen. Pl. **1**: 286 (1862).  
TYPUS: *R. graveolens* L.
- R. graveolens** Linnaeus, Sp. Pl. 383 (1753). — Schneider, Ill. Handb. Laubh. **2**: 122, fig. 76c-h (1907). — Graebner in Ascherson & Graebner, Syn. Mitteleur. Fl. **7**: 242 (1915).  
*Ruta hortensis* Miller, Gard. Dict. ed. 8, *R.* no. 1 (1768). — Graebner in Ascherson & Graebner, Syn. Mitteleur. Fl. **7**: 242 (1915).  
*Ruta graveolens* a. *vulgaris* Willkomm, Führer Reich Deutsch. Pfl. 566 (1863).
- R. graveolens** f. *variegata* [West.] Zabel in Beissner et al., Handb. Laubh.-Ben. 278 (1903).  
*Ruta graveolens* 6. *variegata* Weston, Bot. Univ. **1**: 259 (1770).
- BOENNINGHAUSENIA** Reichenbach, Consp. Reg. Veg. 197 (1828), nom. — Meissner, Pl. Vasc. Gen. **1**: 60; **2**: 44 (1836). — Benth. & Hook. f., Gen. Pl. **1**: 287 (1862).  
*Podostaurus* Junghuhn in Natuur- & Geneesk. Arch. Neerl. Ind. **2**: 45 (1845).  
*Bodiniera* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **11**: 48 (1902).  
TYPUS: *Ruta albiflora* Hook. = *B. albiflora* (Hook.) Meissn.
- B. albiflora** (Hook.) Meissner, Pl. Vasc. Gen. **2**: 44 (1836). — Hook. f., Fl. Brit. Ind. **1**: 486 (1875). — Rehder in Jour. Arnold Arb. **14**: 225 (1933).  
*Ruta albiflora* Hook. f., Exot. Fl. t. 79 (1823).  
*Ruta japonica* Siebold in litt. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 21 (Prol. Fl. Jap. 209) (1867), pro syn.  
*Podostaurus thalictroides* Junghuhn in Natuur- & Geneesk. Arch. Neerl. Ind. **2**: 46 (1845).  
*Boenninghausenia albiflora* var. *longipes* Franchet, Pl. Delavay. 123 [1889].  
*Bodiniera thalictrofolia* Léveillé & Vaniot in Bull. Acad. Intern. Géog. Bot. **11**: 48 (1902).
- PTELEA** Linnaeus, Sp. Pl. 118 (1753); Gen. Pl. ed. 5, 54, no. 141 (1753). — Benth. & Hook. f., Gen. Pl. **1**: 301 (1862). — P. Wilson in N. Am. Fl. **25**: 208 (1911).  
*Belluccia* Adanson, Fam. Pl. **2**: 344 (1763).  
*Taravalia* Greene, Leaf. Bot. Obs. **1**: 222 (1906).  
TYPUS: *P. trifoliata* L.
- P. trifoliata** Linnaeus, Sp. Pl. 118 (1753). — Sargent, Silva N. Am. **1**: 76, t. 33, 34 (1891). — P. Wilson in N. Am. Fl. **25**: 209 (1911), cum syn. multis.  
*Ptelea viticifolia* Salisbury, Prodr. Stirp. Chap. Allert. **68** (1796).  
*Ptelea trifoliata* a. *typica* Koehne, Deutsche Dendr. **348** (1893).
- P. trifoliata** f. *aurea* [Hartwig] Schelle in Beissner et al., Handb. Laubh.-Ben. 278 (1903).  
*Ptelea trifoliata* var. *aurea* Behnisch ex Hartwig, Ill. Gehölzb. ed. 2, 293 (1892).
- P. trifoliata** f. *pentaphylla* [Münchh.] Schelle in Beissner et al., Handb. Laubh.-Ben. 278 (1903).

**Ptelea trifoliata** f. **pentaphylla** (*continued*)

*Ptelea pentaphylla* [Fabricius, Enum. Pl. Helmst. ed. 2, 416 (1759) "var. fol. quinata"; nomencl. prae-linn.—] Münchhausen, Hausvat. 5: 242 (1770).

*Ptelea trifoliata* a. *pentaphylla* Pursh, Fl. Am. Sept. 1: 107 (1814).

*Ptelea trifoliata* 4. *heterophylla* Booth ex Kirchner in Petzold & Kirchner, Arb. Muscav. 192 (1864).—Bean, Trees Shrubs Brit. Isl. 2: 260 (1914) "var.".

**P. trifoliata** f. **fastigiata** (Bean), grad. nov.

*Ptelea trifoliata* f. *fastigiata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 278 (1903), nom.—Bean, Trees Shrubs Brit. Isl. 2: 260 (1914) "var.".

**P. trifoliata** f. **pubescens** (Pursh) Voss, Vilmor. Blumen-gärt. 1: 172 (1894).—Fernald in Rhodora, 38: 233 (1936).

*Ptelea trifoliata* β. *pubescens* Pursh, Fl. Am. Sept. 1: 107 (1814).

**P. trifoliata** var. **mollis** Torrey & Gray, Fl. N. Am. 1: 680 (1840) "β."

*Ptelea tomentosa* Rafinesque, Fl. Ludovic. 108 (1817).—P. Wilson in N. Am. Fl. 25: 209 (1911), cum syn. multis.

*Ptelea mollis* M. A. Curtiss in Am. Jour. Sci. ser. 2, 7: 406 (1849).—Hort. ex Jacques in Jour. Soc. Imp. Centr. Hort. Paris. 6: 810 (1860).—Exell in Jour. Bot. 68: 301 (1930).

*Ptelea trifoliata* 3. *glauca* Booth ex Kirchner in Petzold & Kirchner Arb. Muscav. 191 (1864).

*Ptelea trifoliata* var. *Deamiana* Nieuwland in Am. Midland Nat. 2: 179 (1912).

**P. Baldwinii** Torrey & Gray, Fl. N. Am. 1: 215 (1838), p. p. typ.—P. Wilson in N. Am. Fl. 25: 210 (1911), cum syn. multis.

*Ptelea angustifolia* Benth. Pl. Hartweg. 9 (1839).

*Ptelea trifoliata* var. *angustifolia* Jones in Proc. Calif. Acad. Sci. ser. 2, 5: 629 (1895).

**P. polyadenia** Greene in Contrib. U. S. Nat. Herb. 10: 65 (1906).

*Ptelea tomentosa* Raf. ex P. Wilson in N. Am. Fl. 25: 209 (1911), p. p.

**P. nitens** Greene in op. cit. 70 (1906).

*Ptelea Baldwinii* Torr. & Gray ex P. Wilson in op. cit. 210 (1911), p. p.

**P. lutescens** Greene in op. cit. 70 (1906).

*Ptelea Baldwinii* Torr. & Gray ex P. Wilson in op. cit. 210 (1911), p. p.

**PHELLODENDRON** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 353 (in Mém. Biol. 2: 526. 1858) (1857).—Bentham & Hooker f., Gen. Pl. 1: 301 (1862).—Sargent, Trees & Shrubs, 1: 195 (1905).

Typus: *P. amurense* Rupr.

**P. amurense** Ruprecht in op. cit. (in op. cit. 1858) (1857).—Sargent, Trees & Shrubs, 1: 197, t. 93 (1905).**P. amurense** × **japonicum** Murbeck in Mitt. Deutsch. Dendr. Ges. 1912(21): 361 [1913].**P. piriforme** E. Wolf in Mitt. Deutsch. Dendr. Ges. 1925(35): 215, fig. (1925).**P. sachalinense** (Fr. Schmidt) Sargent, Trees & Shrubs, 1: 199, t. 94 (1905).—Miyabe & Kudo, Icon. Ess. For. Trees Hokkaido, 2: t. 59 (1928).

*Phellodendron amurense* var. *sachalinensis* Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12: 120 (Reis. Amur. Sachal.) (1868).

**P. Lavalleyi** Dode in Bull. Soc. Bot. France, 55: 648 (1908).—Stapf in Bot. Mag. 148: t. 8945 (1922).—Y. C. Wu in Bot. Jahrb. 71: 187 (1940).

*Phellodendron amurense* var. *Lavalleyi* Sprague in Kew Bull. 1920: 235 (1920).

*Phellodendron amurense* sensu De Wildeman, Icon. Hort. Thenens. 5: 45, t. 171 (1904), non Ruprecht (1857).

**P. japonicum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 16: 212 (in Mém. Biol. 8: 1. 1872) (1871).—Sargent, Trees & Shrubs, 1: 201, t. 95 (1905), exclud. syn.**P. chinense** Schneider, Ill. Handb. Laubh. 2: 126, fig. 79c-d (1907).

*Phellodendron japonicum* sensu Pritz. in Bot. Jahrb. 29: 424 (1901), non Maximowicz (1871).

**P. chinense** var. **glabriusculum** Schneider, l. c. (1907).—Sargent, Pl. Wilson. 2: 137 (1914).

*Phellodendron sinense* Dode in Bull. Soc. Bot. France, 55: 649 (1908).

**SKIMMIA** Thunberg, Nov. Gen. Pl. 57 (1783); Fl. Jap. 62 (1784).—Bentham & Hooker f., Gen. Pl. 1: 302 (1862).—Non *Skimmi* Adanson (1763).

*Anquetilia* Decaisne in Jacquemont, Voy. Inde, 4(Bot.): 161, t. 161 (1844).

*Laureola* Roemer, Fam. Nat. Reg. Veg. Syn. 1: 74 (1846). Typus: *S. japonica* Thunb.

**S. japonica** Thunberg, Nov. Gen. Pl. 58 (1783); Fl. Jap. 62 (1784).—Schneider, Ill. Handb. Laubh. 2: 127, fig. 80a-b, 81a-k (1907).

*Skimmia oblata* T. Moore in Proc. Hort. Soc. Lond. 4: 177 (1864); in Gard. Chron. 1864: 962, in nota (1864).

*Skimmia fragrantissima* T. Moore in Proc. Linn. Soc. Lond. 1866/67: vii (1867) "♂; *S. oblata* ♀."

*Skimmia fragrans* Carrière in Rev. Hort. 1869: 258, fig. 61 (1869).

**S. japonica** f. **macrophylla** (Mast.), grad. nov.

*Skimmia japonica* var. *macrophylla* Masters in Gard. Chron. ser. 3, 5: 553 (1889).

*Skimmia macrophylla* Hort. Foreman ex Masters, l. c. (1889), pro syn.

**S. Foremanii** (*S. japonica* × *Reevesiana*) Knight in Florist & Pomol. 1881: 70 (1881) "*Foremanni*"—Masters in Gard. Chron. ser. 3, 5: 521 (1889).—Rehder in Jour. Arnold Arb. 3: 211 (1922).

*Skimmia intermedia* sensu Rehder in Bailey, Cycl. Am. Hort. [4]: 1671 (1902), non Carrière (1870).

**S. Foremanii** var. **Rogersii** (Mast.) Rehder in Jour. Arnold Arb. 3: 211 (1922).

*Skimmia Rogersii* Masters in Gard. Chron. ser. 3, 5: 553 (1889).

**S. Reevesiana** Fortune, Jour. Tea Country China, 329 (1852).—Rehder in Jour. Arnold Arb. 3: 210 (1922).

*Skimmia japonica* sensu Lindley in Paxton's Flow. Gard. 2: 56, fig. 163 (1851).—Hooker in Bot. Mag. 79: t. 4719 (1853).—Non Thunberg (1783).

*Skimmia Fortunei* Masters in Gard. Chron. ser. 3, 5: 520, fig. 91 (1889).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 139 (1914).

**S. Reevesiana** f. **rubella** (Carr.) Rehder in Jour. Arnold Arb. 3: 211 (1922).

- Skimmia intermedia* Carrière in Rev. Hort. **1870**: 200 (1870); **1874**: 311 (1874).
- Skimmia rubella* Carrière in op. cit. 311, t. (1874); **1880**: 51, fig. 12 (1880); **1885**: 189, fig. 35 (1885).
- Skimmia Fortunei* f. *rubella* Voss, Vilmor. Blumengärt. **1**: 172 [1894].—Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1671 (1902) "var."
- S. Reevesiana** f. *variegata* (Nichols.) Rehder in Jour. Arnold Arb. **3**: 211 (1922).
- Skimmia japonica variegata* Anon. in Garden, **10**: 364 (1878).
- Skimmia japonica argentea variegata* Nicholson, Ill. Dict. Gard. **3**: 441 [1887].
- Skimmia Fortunei* var. *argentea* Masters in Gard. Chron. ser. 3, **5**: 553 (1889).
- S. Laureola** (DC.) Siebold & Zuccarini ex Walpers, Repert. Bot. Syst. **5**: 405 (1846).—Hooker f., Fl. Brit. Ind. **1**: 499 (1875).
- Limonia* ? *Laureola* De Candolle, Prodr. **1**: 536 (1824).
- Anquetilia Laureola* Decaisne in Jacquemont, Voy. Inde, **4**(Bot.): 161, t. 161 (1844).
- Laureola fragrans* Roemer, Fam. Nat. Reg. Veg. Syn. **1**: 74 (1846).
- PONCIRUS** Rafinesque, Sylva Tellur. 143 (1838).—Swingle in Sargent, Pl. Wilson. **2**: 149 (1914).
- Pseudaegle* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 83 (1865).
- TYPUS: *Citrus trifoliata* L. = *P. trifoliata* (L.) Raf.
- P. trifoliata** (L.) Rafinesque, l. c. (1838).—Swingle in Sargent, Pl. Wilson. **2**: 149 (1914).
- Citrus trifoliata* Linnaeus, Sp. Pl. ed. 2, 1101 (1763).—Hooker f. in Bot. Mag. **106**: t. 6513 (1880).
- Citrus trifolia* Thunberg, Fl. Jap. 294 (1784).
- Aegle* ? *sepiaria* De Candolle, Prodr. **1**: 538 (1824).
- Pseudaegle sepiaria* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 83 (1865).
- Citrus triptera* sensu Carrière in Rev. Hort. **1869**: 15, fig. 2 (1869), non Desfontaines (1829).
- Citrus californica* Hort. ex Carrière, l. c. (1869), pro syn.
- Limonia trichocarpa* Hance in Jour. Bot. **15**: 258 (1882).
- Limonia trifoliata* C. de Vos, Handb. Boom. Heest. ed. 2, 106 (1887), nom. subnud.; non Linnaeus (1771).
- Citrus tripartita* [hort. ex] C. de Vos, l. c. (1887), pro syn.
- Pseudaegle trifoliata* Makino in Bot. Mag. Tokyo, **16**: 15 (1902).
- P. trifoliata** × *Citrus sinensis* Swingle in Bailey, Stand. Cycl. Hort. **2**: 778, fig. 970 (1914) "Citrange".
- Citrus trifoliata* × *sinensis* Webber & Swingle in Yearb. U. S. Dept. Agric. **1904**: 227–31, t. 11–16 (1905) "Citrange, C. t. × common Orange".
- Citrus triptera* × *Aurantium* André in Rev. Hort. **1905**: 243, fig. 96, t. (1905).
- P. trifoliata** × *Citrus sinensis* × *Fortunella japonica* Swingle, Robinson & Savage in U. S. Dept. Agric. Circ. **181**: 1 (1931) "Citrangequat".

# Fam. SIMARUBACEAE

- SIMARUBACEAE [L. C. Richard, Anal. Fruit. 21 (1808) "Simaroubacées", nom. subnud.—] Lindley, Introduct. Nat. Syst. Bot. 137 (1830).—Endlicher, Gen. Pl. 1143 (1840).—Small in N. Am. Fl. **25**: 227 (1911) "Simaroubaceae".
- Simarubeae* De Candolle in Ann. Mus. Hist. Nat. Paris,

- 17**: 422 (1811); in Bull. Soc. Philom. Paris, sér. 2, **2**: 209 (1811); Prodr. **1**: 733 (1824).
- Terebinthaceae* Horaninov, Prim. Lin. Syst. Nat. 88 (1834), p. p. quoad *Ailanthus*.
- Rutaceae* 3. *Simarubeae* Reichenbach, Handb. Nat. Pflanzenzysst. 283 (1837), p. p. typ.
- Simabaceae* trib. *Simarubeae* Horaninov, Char. Ess. Fam. Reg. Veg. 180 (1847).
- Zanthoxyleae* subfam. *Connaraceae* Presl, Wseob. Rostlin. **1**: 280 (1846), quoad *Ailanthus*.
- PICRASMA** Blume, Bijdr. Fl. Nederl. Ind. 247 (1825).—Bentham & Hooker f., **1**: 311 (1862).
- Nima* Hamilton ex Jussieu in Mém. Mus. Hist. Nat. Paris, **12**: 516 (1825).
- Picrasma* sect. *Eupicrasma* Engler in Nat. Pflanzenfam. III. **4**: 221 (1896).
- P. quassioides** (D. Don) Bennett, Pl. Jav. Rar. 198 (1844).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 152 (1914).
- Simaba quassioides* D. Don, Prodr. Fl. Nepal. 248 (1825).
- Nima quassioides* Hamilton ex D. Don, l. c. (1825), pro syn.
- Rhus ailanthoides* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 89 (Enum. Pl. Chin. Bor. 15. 1833) (1835).
- Picrasma ailanthoides* Planchon in London Jour. Bot. **5**: 573 (1846).
- Picrasma japonica* Gray in Mem. Am. Acad. Arts Sci. n. ser., **6**: 383 (1858–9).
- Picrasma quassioides* var. *glabrescens* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., **18**: 171 (1911).
- AILANTHUS** Desfontaines in Hist. Mém. Acad. Sci. Paris, **1786**: 265, t. 8 (1788).—Jussieu, Gen. Pl. 373 (1789) "Aylanthus".—L'Héritier, Stirp. Nov. 179, t. 84 [1791].—De Candolle, Prodr. **2**: 88 (1825) "Ailanthus".—NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. 84, no. 4124 (1906).
- Pongelion* Adanson, Fam. Pl. **2**: 319 (1763).—Scopoli, Introduct. Hist. Nat. 299 (1777) "Pongelium".
- Albania* Buch'hoz, Herb. Color. Amér. t. 57 (1783), sine descr.—Barkley in Ann. Missouri Bot. Gard. **24**: 264, t. 9 (1937), pro syn.; t. 9 est Buch'hoz tab. 57.
- Ailanthus* sect. *Euailanthus* Engler in Nat. Pflanzenfam. III. **4**: 223 [1896].
- TYPUS: *A. glandulosa* Desf. = *A. altissima* (Mill.) Swingle.
- A. altissima** (Mill.) Swingle in Jour. Washington Acad. Sci. **6**: 495 (1916).—Rehder & Wilson in Sargent, Pl. Wilson. **3**: 449 (1917).—Barkley in Ann. Missouri Bot. Gard. **24**: 499 (1937).
- Toxicodendron altissimum* Miller, Gard. Dict. ed. 8, *T.* no. 10 (1768), exclud. syn.
- Rhus sinense* Ellis ex Houttuyn, Natuurl. Hist. **2,2**: 212 (1774), pro syn. dub.\*
- Rhus Cacodendron* Ehrhart in Hannöv. Mag. **1783**: 227 (1783); Beitr. Naturk. **2**: 111 (1788), reprinted from Hannöv. Mag. l. c.; **3**: 20 (1788).

\* Houttuyn's citation might lead one to assume that the name *Rhus sinense* was published as a binomial by Ellis, but this is not the case; in the two places where Ellis deals with this plant, namely in Philos. Trans. Royal Soc. Lond. 49,2: 870, t. 25, fig. 5 (1757) and 50,1: 447, t. 17 (1758), the words *Rhus sinense* form the beginning of a polynomial and read "Rhus sinense foliis alatis foliolis oblongis acuminatis ad basin subrotundis et dentatis". Also Rehder, Bradley Bibliography, 2: 413 (1912) cites the name, as Houttuyn did, and for the publication of 1758, he further cites "*Rhus glandulosa*" which is a mistake, apparently caused by a note in his manuscript, that the Ellis plant is identical with *Ailanthus glandulosa*.



**Ailanthus altissima** (continued)

- Albonia Peregrina* Buc'hoz, Herb. Color. Amér. t. 57 (1783), sine descr.—Barkley in Ann. Missouri Bot. Gard. **24**: 264, t. 9 (1937), pro syn.; t. 9 = t. 57 in Buc'hoz, l. c.
- Rhus succedaneum* Linn. ex Buc'hoz, Herb. Color. Amér. t. 57 (1783), pro syn.—[Hort. ex] Desfontaines in Hist. Mém. Acad. Sci. Paris, **1786**: 265 (1788), pro syn.—Non Linnaeus (1771).
- Ailanthus glandulosus* Desfontaines in Hist. Mém. Acad. Sci. Paris **1786**: 265, t. 8 (1788).—K. Koch, Hort. Dendr. **83** (1853), exclud. syn. Moench.—Schneider, Ill. Handb. Laubh. **2**: 130, fig. 82a-e, 83e-e<sup>2</sup> (1907).
- Ailanthus Pongelion* Gmelin in Linnaeus, Syst. Nat. ed. 13, **2**: 726 (1791).
- Ailanthus procera* Salisbury, Prodr. Stirp. Chap. Allert. **171** (1796).
- Pongelion glandulosum* Pierre, Fl. For. Cochinch. **4**: t. 294, in textu (1891).
- Ailanthus japonica* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 37 (1900), pro syn.
- Ailanthus cacodendron* Schinz & Thellung ex Thellung in Mém. Soc. Sci. Nat. Cherbourg, **38**: 637, 679 (1912).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 153 (1914).
- Pongelion Cacodendron* Farwell in Am. Midland Nat. **12**: 67 (1930).
- Ailanthus peregrina* (Buc'hoz) Barkley in Ann. Missouri Bot. Gard. **24**: 264, t. 9 (1937).
- Rhus peregrina* Stapf ex Barkley, l. c. (1937), pro syn.; cf. Stapf, Index Londin. **1**: 113 (1929).
- A. altissima** f. *erythrocarpa* (Carr.), grad. nov.
- Ailanthus rhodoptera* F. Mueller in Fragm. Phytog. Austral. **3**: 43 (1862).
- Ailanthus erythrocarpa* Carrière in Rev. Hort. **1867**: 419 (1867).
- Ailanthus rubra* Jäger in Jäger & Beissner, Ziergeh. ed. 2, **18** (1884); ed. 3, **18** (1889).—Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 38 (1900), pro syn.
- Ailanthus glandulosa* var. *erythrocarpa* Mouillefert, Arb. Arbriss. **1**: 222 [1891].—Rehder in Bailey, Cycl. Am. Hort. [1]: 38 (1900).—Schneider, Ill. Handb. Laubh. **2**: 130 (1907) "f.".
- Ailanthus glandulosa* a. *rubra* Dippel, Handb. Laubh. **2**: 365 (1892).
- Ailanthus altissima* var. *erythrocarpa* Rehder, Man. Cult. Trees Shrubs, 527 (1927).
- A. altissima** f. *pendulifolia* (Dipp.), grad. nov.
- Ailanthus glandulosa* b. *pendulifolia* Dippel, Handb. Laubh. **2**: 365 (1892).—Carrière ex Rehder in Bailey, Cycl. Am. Hort. [1]: 38 (1900) "var."—Garnier in Rev. Hort. **1906**: 545, fig. 205 (1906) "*A. g. p.*"
- Ailanthus glandulosa* var. *pendula* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, ed. 2, 77 (1902), nom.
- Ailanthus altissima* var. *pendulifolia* Rehder, Man. Cult. Trees Shrubs, 527 (1927).
- A. altissima** var. *sutchuenensis* (Dode) Rehder & Wilson in Sargent, Pl. Wilson. **3**: 449 (1917).
- Ailanthus glandulosa* sensu Pritzel in Bot. Jahrb. **29**: 425 (1900), non Desfontaines (1788).
- Ailanthus sutchuenensis* Dode in Bull. Soc. Dendr. France, **1907**: 192, fig. a (1907); in Repert. Sp. Nov. Reg. Veg. **6**: 8 (1909).
- Ailanthus glandulosa* var. *sutchuenensis* Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 187 [1913].
- Ailanthus cacodendron* var. *sutchuenensis* Rehder & Wilson in Sargent, Pl. Wilson. **2**: 153 (1914).

**A. Giraldii** Dode in Bull. Soc. Dendr. France, **1907**: 191, fig. (1907).

**A. Giraldii** var. *Duclouxii* Dode ex Rehder, Man. Cult. Trees Shrubs, 527 (1927).

*Ailanthus Duclouxii* Dode in Bull. Soc. Dendr. France, **1922**: 13 (1922), nom.

**A. Vilmoriniana** Dode in Rev. Hort. **1904**: 444, fig. 184 (1904).

*Ailanthus glandulosa* var. *spinosa* Vilmorin & Bois, Frutic. Vilmor. **31**, fig. (1904).

*Pongelion Vilmorinianum* Van Tieghem in Ann. Sci. Nat. Bot. sér. 9, **4**: 276 (1906); in Repert. Sp. Nov. Reg. Veg. **6**: 191 (1908) "*Vilmorianum*".

Fam. **MELIACEAE**

**MELIACEAE** Ventenat, Tabl. Règ. Vég. **3**: 159 (1799).—De Candolle, Prodr. **1**: 619 (1824).—Harms in Nat. Pflanzenfam. ed. 2, **19b**: 1 (1940).

*Melieae* Jussieu, Gen. Pl. 263 (1789).

*Cedreleae* R. Brown in Flinders, Voy. Terra Austral. **2**: 595 (1814).

*Hesperideae* 1. *Melieae* a. *genuinae* et c. *Swietenieae* γ. *Cedreleae* Reichenbach, Handb. Nat. Pflanzensyst. **313** (1837).

**CEDRELA** P. Browne, Civ. Nat. Hist. Jamaica, 158, t. 10, fig. 1 (1756).—Linnaeus, Syst. Nat. ed. 10 auct., **2**: 940 (1759).—Bentham & Hooker f., Gen. Pl. **1**: 339 (1862).

*Cedrus* Miller, Gard. Dict. ed. 8 (1768), p. p.; non Duhamel (1755), nec Trew (1757).

*Johnsonia* Adanson, Fam. Pl. **2**: 343 (1763).

*Cedrella* Scopoli, Introd. Nat. Hist. **3**: 24 (1777).

*Cuveraca* [W. Jones] in As. Research. As. Soc. Bengal, **4**: 281 (1795).—Bentham & Hooker f., Gen. Pl. **1**: 339 (1862) "*Cuveracea*".

*Mioptrila* Rafinesque, Am. Man. Mulberry, 37 (1839).

*Toona* Roemer, Fam. Nat. Reg. Veg. Syn. **1**: 131 (1846).—Harms in Nat. Pflanzenfam. III. **4**: 269 [1896]; ed. 2, **19b**: 40 (1940).

*Pterosiphon* Turczaninov in Bull. Soc. Nat. Moscou, **36**, **1**: 589 (1863).

*Surenus* Kuntze, Rev. Gen. Pl. **1**: 110 (1891).

TYPE: *C. odorata* L.

**C. sinensis** Jussieu in Mém. Mus. Hist. Nat. Paris, **19**: 255 (1830).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 156 (1914).—Li in Trop. Woods, **79**: 18 (1944).

*Mioptrila odorata* Rafinesque, Am. Man. Mulberry, 37 (1839), p. p. max.

*Toona sinensis* Roemer, Fam. Nat. Reg. Veg. Syn. **1**: 131 (1846).—Schneider, Ill. Handb. Laubh. **2**: 132, fig. 83b, 84l-q (1907).

*Ailanthus flavescens* Carrière in Rev. Hort. **1865**: 366 (1865).

*Cedrela chinensis* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **5**: 220 (Pl. David. **1**: 68. 1884) (1883).

*Cedrela sinensis* var. *Hupehana* C. de Candolle in Rec. Bot. Surv. India, **3**: 361 (1908).

*Toona sinensis* var. *grandis* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., **17**: 171 (1911).

**MELIA** Linnaeus, Sp. Pl. 384 (1753); Gen. Pl. ed. 5, 182, no. 473 (1754).—Bentham & Hooker f., Gen. Pl. **1**: 332 (1862).

*Azedarach* Miller, Gard. Dict. abridg. ed. 4 (1754).—Duhamel, Traité Arb. Arbust. **1**: 89, fig. (1755).—Kuntze, Rev. Gen. Pl. **1**: 109 (1891).

- Azedarac* Adanson, *Fam. Pl.* 2: 342 (1763).  
*Azedara* Rafinesque, *Fl. Ludovic.* 135 (1817).  
*Azedaraca* Rafinesque, *Med. Fl.* 2: 199 (1830).  
 ?*Claderia* Rafinesque, *Sylva Tellur.* 12 (1830).  
 LECTOTYPUS: *M. Azedarach* L.
- M. Azedarach** Linnaeus, *Sp. Pl.* 384 (1753). — Rehder & Wilson in *Sargent, Pl. Wilson.* 2: 157 (1914).  
*Melia Azedarach* *β. sempervirens* Linnaeus, *Sp. Pl.* 385 (1753).  
*Melia sempervirens* Swartz, *Nov. Gen. Sp. Pl.* 67 (1788).  
 — Bailey, *Stand. Cycl. Hort.* 4: 2025 (1916).  
*Melia florida* Salisbury, *Prodr. Stirp. Chap. Allert.* 317 (1796).  
*Azedara speciosa* Rafinesque, *Fl. Ludovic.* 135 (1817).  
*Melia sambucina* Blume, *Bijdr. Fl. Nederl. Ind.* 162 (1825).  
*Melia australis* Sweet, *Hort. Brit. ed. 2*, 85 (1830).  
*Azedaraca amena* Rafinesque, *Med. Fl.* 2: 199 (1830).  
*Melia japonica* G. Don, *Gen. Hist. Dichlam. Pl.* 1: 680 (1831).  
*Melia bukayun* Royle, *Ill. Bot. Himal.* 144 [1835], nom. nud.  
*Melia Commelini* Medicus ex Steudel, *Nomencl. Bot. ed. 2*, 2: 118 (1841), pro syn.  
*Melia cochinchinensis* Roemer, *Fam. Nat. Reg. Veg.* 1: 95 (1846).  
*Melia orientalis* Roemer, l. c. (1846).  
*Melia Toosendan* Siebold & Zuccarini, *Abh. Math.-Phys. Cl. Akad. Wiss. Münch.* 43: 159 (*Fl. Jap. Fam. Nat.* 2: 51) (1846).  
*Melia chinensis* Siebold ex Miquel in *Ann. Mus. Bot. Lugd.-Bat.* 3: 23 (*Prol. Fl. Jap.* 211) (1867), pro syn.  
*Melia Azedarach* var. *subtripinnata* Miquel in op. cit. 24 (212) (1867).  
*Melia floribunda* Carrière in *Rev. Hort.* 1872: 472, t. (1872). — Bailey, *Stand. Cycl. Hort.* 4: 2025 (1916).  
*Azedarach sempervirens* Kuntze, *Rev. Gen. Pl.* 1: 109 (1891).  
*Azedarach vulgaris* (Lin.) Gomez de la Maza in *Repert. Méd.-farm. Havana*, 5: 296 (1894).  
*Melia japonica* var. *semperflorens* Makino in *Bot. Mag. Tokyo*, 18: 67 (1904).  
*Melia Azedarach* var. *japonica* subvar. *semperflorens* Makino in op. cit. 28: 34 (1914).
- M. Azedarach f. umbraculifera** (Knox), grad. nov.  
*Melia Azedarach umbraculifera* G. W. Knox in *Gard. Monthly*, 27: 260 (1885). — Sargent in *Gard. & For.* 7: 92, fig. 20 (1894) "var."  
*Melia Azedarach* var. *umbraculiformis* Hort. ex Berckmans & Bailey, *Cycl. Am. Hort.* [2]: 1001, fig. 1387 (1900).

## Fam. POLYGALACEAE

- POLYGALACEAE Reichenbach, *Consp. Reg. Veg.* 120 (1828). — Lindley, *Nat. Syst. Bot. ed. 2*, 84 (1836).  
*Polygaleae* Jussieu in *Ann. Mus. Hist. Nat. Paris*, 14: 386 (1809).

- POLYGALA** Linnaeus, *Sp. Pl.* 701 (1753); *Gen. Pl. ed. 5*, 315, no. 761 (1754). — Bentham & Hooker f., *Gen. Pl.* 1: 136 (1862). — Graebner in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 7: 309 (1915). — S. F. Blake in *N. Am. Fl.* 25: 305 (1924), cum syn. multis.\*

\* According to general usage *Polygala* is here treated as of feminine gender, though according to Art. 72(2) of the Rules, it should be neuter, Greek *πο γάλα*, γάλακτος, being neuter, and it is thus treated by Ascherson & Graebner, *Syn. Mitteleur. Fl.* 7: 310 (1915).

- Chamaebuxus* Spach, *Hist. Nat. Vég. Phan.* 7: 125 (1839).  
*Polygalum* Buchenau, *Fl. Ostfries. Ins. ed. 3*, 203 (1896).  
 LECTOTYPUS: *P. vulgaris* L.

- P. Chamaebuxus** Linnaeus, *Sp. Pl.* 989 (1753). — Chodat in *Mém. Soc. Phys. Hist. Nat. Genève*, 31,2,2: 111, t. 18, fig. 20–25 (*Monog. Polygal. II.*) (1893).  
*Chamaebuxus alpestris* Spach, *Hist. Nat. Vég. Phan.* 7: 127 (1839).  
*Polygala Chamaebuxus a. lutea* Neilreich, *Fl. Wien*, 570 (1846).  
*Chamaebuxus vulgaris* Schur, *Enum. Fl. Transsilv.* 90 (1866).  
*Polygala Chamaebuxus a. typica* Beck, *Fl. Nieder-Öster.* 584 (1892).
- P. Chamaebuxus var. grandiflora** Gaudin, *Fl. Helv.* 4: 447 (1829). — Graebner in Ascherson & Graebner, *Syn. Mitteleur. Fl.* 7: 311 (1915) "*lus. grandiflorum*."  
*Polygala Chamaebuxus β. purpurea* Neilreich, *Fl. Wien*, 579 (1846).  
*Polygala Chamaebuxus β. rhodoptera* Brügger in *Zeitschr. Ferdinand. Innsbr. ser. 3*, 9: 77 (1860). — Ball ex Bennett in *Jour. Bot.* 16: 281 (1878).  
*Chamaebuxus alpestris c. rhodoptera* Borbas in Koch, *Syn. Deutsch. Schweiz. Fl. ed. 3* (Hallier), 1: 261 (1892).
- P. Vayredae** Costa y Cuxart, *Supl. Catal. Pl. Cataluña*, 10 (1877). — Vayreda in *Anal. Soc. Españ. Hist. Nat.* 8: 376, t. 7 (1879).  
*Chamaebuxus Vayredae* Willkomm, *Ill. Fl. Hisp.* 1: 33, t. 23 (1891).

## Fam. EUPHORBIACEAE

- EUPHORBIACEAE Jaume St.-Hilaire, *Expos. Fam. Nat. Pl.* 2: 276, t. 108 (1805, after March). — De Candolle in Lamarck & De Candolle, *Fl. Franç.* 3: 327 (1805, before July). — J. Müller Argov. in De Candolle, *Prodr.* 15,2: 1–1273 (1866). — Barnhart in *Bull. Torrey Bot. Club*, 22: 15 (1895). — Pax & Hoffmann in *Nat. Pflanzenfam. ed. 2*, 19c: 1–251, fig. (1931). — Croizat in *Am. Midland Nat.* 30: 808 (1943); in *Revista Acad. Colomb. Ci. Exact. Fis. Nat.* 5: 541 (1944).  
*Euphorbiae* B. Jussieu, *Ord. Nat. Hort. Trianon*, 1759, lxx (nom. subnud.) in A. Jussieu, *Gen. Pl.* (1789); A. Jussieu, op. cit. 384 (1789).  
*Tricoccae* Scopoli, *Fl. Carniol.* 428 (1760).  
*Tricocca* Linnaeus, *Philos. Bot. ed. 2*, 36, no. 47 (1763), nom. subnud.  
*Tithymaloideae* Ventenat, *Tabl. Règ. Vég.* 3: 483 (1794).  
*Stilagineae* Agardh, *Aphor. Bot.* 199 [1824].  
*Trewiaceae* Lindley, *Nat. Syst. Bot. ed. 2*, 174 (1836).  
*Rutaceae* 1. *Euphorbieae* Reichenbach, *Handb. Nat. Pflanzenzysst.* 28 (1837), p. p. typ.  
*Stilaginaceae* Lindley, *Veg. Kingd.* 259 (1846).  
*Peraceae*, *Acalyphaceae*, *Phyllanthaceae*, *Antidesmaceae* Klotzsch in *Monatsber. Akad. Wiss. Berlin*, 1859: 246 (Linné's *Nat. Pflanzenkl. Tricoccae*) (1859).  
*Daphniphyllaceae* J. Müller Argov. in De Candolle, *Prodr.* 16,1: 1 (1869).  
*Euphorbiaceae a. Platylabeae* 1. *Phyllanthoideae* 3. *Daphniphyllae* Pax in *Nat. Pflanzenfam. III.* 5: 36 (1890).  
*Hamamelidaceae-Daphniphyllae* Hallier in *Bot. Mag. Tokyo*, 18: 55 (1904).

- ANDRACHNE** Linnaeus, *Sp. Pl.* 1014 (1753); *Gen. Pl. ed. 5*, 444, no. 973 (1754). — Bentham & Hooker f., *Gen.*

**Andrachne** (continued)

- Pl. 3: 278 (1880).—Pax & Hoffmann in Engler, Pflanzenreich, IV. 147,xv (Heft 81): 169 (1922).  
*Eracissa* Forskål, Fl. Aegypt.-arab. 208 (1775).  
*Arachne* Necker, Elem. Bot. 2: 348, no. 1146 (1790), p. p.  
*Telephioides* Moench, Meth. Pl. Suppl. 310 (1802).  
*Lepidanthus* Nuttall in Trans. Am. Philos. Soc. 5: 175 (1837), non Nees (1830).  
*Maschalanthus* Nuttall, l. c. (1837).  
*Leptopus* Decaisne in Jacquemont, Voy. Inde, 4(Bot.): 155, t. 156 (1844).  
*Phyllanthidea* Didrichsen in Vidensk. Meddel. Naturh. For. Kjöbenh. 1857: 150 (Pl. Nonn. Mus. Univ. Haun. 3: 28) (1858).  
*Phyllanthopsis* Baillon, Étud. Gén. Euphorb. 612 (1858).  
*Hexakestra* Hooker f., Fl. Brit. Ind. 5: 240 (1886), sphalm. "*Hexakistra*"; 5: 283 (1887), pro syn.  
*Savia* Willdenow ex Pax & Hoffmann in Engler, Pflanzenreich, IV. 147,xv (Heft 81): 181 (1922), p. p.  
LECTOTYPUS: *A. telephioides* L.

- A. phyllanthoides** (Nutt.) J. Müller Argov. in De Candolle, Prodr. 15,2: 435 (1866).  
*Lepidanthus phyllanthoides* Nuttall in Trans. Amer. Philos. Soc. ser. 2, 5: 175 (1837).  
*Maschalanthus obovatus* Nuttall, l. c. (1837).  
*Maschalanthus polygonoides* Nuttall, l. c. (1837).  
*Phyllanthus Roemerianus* Scheele in Linnaea, 25: 583 (1852).  
*Phyllanthopsis Roemeriana* Baillon, Étud. Gén. Euphorb. 612 (1858).  
*Andrachne Roemeriana* J. Müller Argov. in De Candolle, Prodr., 15,2: 234 (1866).  
*Andrachne Reverchoni* Coulter in Contrib. U. S. Nat. Herb. 2: 396 (1894).  
*Savia phyllanthoides* Pax & Hoffmann in Engler, Pflanzenreich, IV. 147,xv (Heft 81): 184 (1922).

- A. colchica** Fischer & Meyer ex Boissier in Fl. Or. 4: 1137 (1879).—Palibin in Bull. Herb. Boissier, sér. 2, 8: 446 (1908).

- A. cordifolia** (Dcne.) J. Müller Argov. in De Candolle, Prodr. 15,2: 234 (1866).  
*Leptopus cordifolius* Decaisne in Jacquemont, Voy. Inde, 4(Bot.): 155, t. 156 (1844).  
*Andrachne Decaisneana* Baillon, Ét. Gén. Euphorb. 577 (1859).  
*Phyllanthus Hofmeisteri* Klotzsch & Garcke in Bot. Ergebn. Reise Prinz Waldem. 117, t. 24 (1862).

- SECURINEGA** Commerson ex Jussieu, Gen. Pl. 388 (1789).  
—Bentham & Hooker f., Gen. Pl. 3: 275 (1880).—Pax & Hoffmann in Nat. Pflanzenfam. ed. 2, 19c: 10 (1931).  
—NOM. CONSERV. cf. Règl. Intern. Bot. Nomencl. 84, no. 4297 (1906).  
*Acidoton* P. Browne, Civ. Nat. Hist. Jamaica, 335 (1756).  
—Kuntze, Rev. Gen. Pl. 2: 591 (1891).  
*Fluggea* Willdenow, Sp. Pl. 4: 757 [1806]; Enum. Pl. Hort. Berol. 1013 (1809) "*Flüggea*".—Endlicher, Gen. Pl. 1122 (1840) "*Flüggea*".  
[*Flugea* Rafinesque, Fl. Tellur. 4: 17 (1836) ex B. D. Jackson in Index Kew. 1: 971 [1893], pro syn. generis *Fluggea* Willd., est syn. generis *Flüggea* L. C. Richard (*Flueggia* L. C. Richard ex Bentham & Hooker f., Gen. Pl. 3: 678. 1883), pro syn. = *Ophiopogon* Ker.]  
*Bessera* Sprengel, Pl. Minn. Cogn. Pug. 2: 90 (1815).  
*Geblera* Fischer & Meyer in Ind. Sem. Hort. Petrop. 1: 28 (1835); in Ann. Sci. Nat. Bot. sér. 2, 5: 127 (1836).

- Colmeiroa* Reuter in Boissier & Reuter, Diagn. Pl. Nov. Hisp. 23 (1842).  
*Pleiostemon* Sonder in Linnaea, 23: 135 (1850).  
*Meineckia* Baillon, Étud. Gén. Euphorb. 586 (1858).  
TYPUS: *S. durissima* Gmel.

- S. suffruticosa** (Pall.) Rehder in Jour. Arnold Arb. 13: 338 (1932).  
*Chenopodium* ? *suffruticosum* Pallas, Reise Russ. Reich. 3,1: 424 (1776), nom.  
*Pharnaceum* ? *suffruticosum* Pallas, op. cit. 3,2: 716, t. E, fig. 2 (1776).  
*Xylophylla ramiflora* Aiton, Hort. Kew. 1: 376 (1789).  
*Osyris alba* sensu Georgi, Beschreib. Russ. Reich. 3: 1341 (1800).—Ledebour, Fl. Ross. 3: 583 [1850], pro syn. —Non Linnaeus (1753).  
*Phyllanthus ramiflorus* Persoon, Syn. Pl. 2: 591 (1807).  
*Geblera suffruticosa* Fischer & Meyer in Ind. Sem. Hort. Petrop. [1]: 28 (1835).—Ledebour, Fl. Ross. 3: 583 [1850].  
*Fluggea suffruticosa* Baillon, Ét. Gén. Euphorb. 592 (1858).  
*Phyllanthus fluggeoides* J. Müller Argov. in Linnaea, 32: 16 (1863).  
*Phyllanthus japonicus* J. Müller Argov. in op. cit. 52 (1863), p. p.  
*Securinega ramiflora* J. Müller Argov. in De Candolle, Prodr. 15,2: 449 (1866).  
*Securinega fluggeoides* J. Müller Argov. in op. cit. 450 (1866).  
*Securinega japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 128 (Prol. Fl. Jap. 292) (1867), p. p.  
*Acidoton ramiflorus* Kuntze, Rev. Gen. Pl. 2: 592 (1891).

- GLOCHIDION** Forster, Charact. Gen. 113 (1776).—Pax & Hoffmann in Nat. Pflanzenfam. ed. 2, 19c: 56 (1931), p. p.  
*Bradleja* Banks ex Gaertner, Fruct. Sem. Pl. 2: 127, t. 109 (1791).—Cavanilles, Icon. Descr. Pl. Hisp. 4: 48, t. 371 (1797) "*Bradleia*".  
*Gynoon* Jussieu in Mém. Mus. Hist. Nat. Paris, 10: 335 (1823).  
*Glochidionopsis* Blume, Bijdr. Fl. Nederl. Ind. 588 (1825).  
—Steudel, Nomencl. Bot. ed. 2, 1: 689 (1840) "*Glochidionopsis*" sphalm.  
*Lobocarpus* Wight & Arnott, Prodr. Fl. Pen. Ind. Or. 1: 7 (1834).  
*Episteira* Rafinesque, Sylva Tellur. 20 (1838).  
*Glochisandra* Wight, Icon. Pl. Ind. Or. 5,2: 28, t. 1905 (1852).  
*Zarcoa* Llanos in Mem. Acad. Ci. Madrid, 4: 501, t. (1856); in Bot. Zeitung, 15: 423 (1857).  
*Glochidion* sect. *Euglochidion* J. Müller Argov. in Linnaea, 32: 58 (1863).—Pax & Hoffmann in Nat. Pflanzenfam. ed. 2, 19c: 57 (1931).  
*Phyllanthus* sect. *Euglochidion* J. Müller Argov. in Flora, 48: 370 (1865); in De Candolle, Prodr. 15,2: 278 (1866).  
TYPUS: *G. ramiflorum* Forster.

- G. puberum** (L.) Hutchinson in Sargent, Pl. Wilson. 2: 518 (1916).—Rehder in Jour. Arnold Arb. 14: 231 (1933).  
*Agyneia pubera* Linnaeus, Mant. Pl. 2: 296 (1771).  
*Agyneia impubes* Linnaeus, l. c. (1771).  
*Bradleia sinica* Gaertner, Fruct. Sem. 2: 127, t. 109, fig. 1 (1791).  
*Glochidion sinicum* Hooker & Arnott, Bot. Beechey Voy. 210 (1836).

- Phyllanthus puberulus* J. Müller Argov. in Flora, **48**: 387 (1865); in De Candolle, Prodr. **15**, 2: 307 (1866), exclud. var. *a*.  
*Glochidion obscurum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 425 (1894), non Blume (1825).  
*Glochidion pseudo-obscurum* Pampanini in Nuov. Giorn. Bot. Ital. **17**: 411 (1910).  
*Glochidion Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 183 (1913).

**SAPIUM** P. Browne, Civ. Nat. Hist. Jamaica, 338 (1756). —Bentham & Hooker f., Gen. Pl. **3**: 334 (1880). —Pax & Hoffmann in Nat. Pflanzenfam. ed. 2, **19c**: 198 (1931).

*Triadica* Loureiro, Fl. Cochinch. 610 (1790), p. p. —Small, Man. Southeast. Fl. 789 (1933).

*Stillingfleetia* Bojer, Hort. Mauriti. 284 (1837).

*Falconeria* Royle, Ill. Bot. Himal. 354 [1839].

*Stillingia* sect. *Triadica* Baillon, Ét. Gén. Euphorb. 511 (1858).

*Sapiopsis* J. Müller Argov. in Linnaea, **32**: 84 (1863).

*Sapium* sect. *Triadica* J. Müller Argov. in Linnaea, **32**: 121 (1863).

*Excoecaria* sect. *Triadica* J. Müller Argov. in De Candolle, Prodr. **15**, 2: 1210 (1866).

*Carumbium* sensu Kurz, Prelim. Rep. For. Veg. Pegu, App. A: cxiv (1875); For. Fl. Brit. Burma, **2**: 411 (1877); non Reinwardt (1823).

Typus: *S. jamaicense* Swartz (1829).

**S. sebiferum** (L.) Roxburgh, Fl. Ind., [ed. 2], **3**: 693 (1832). —Hutchinson in Sargent, Pl. Wilson. **2**: 527 (1916). —Pax & Hoffmann in Engler, Pflanzenreich, IV. **147v** (Heft 52): 199 (1912).

*Croton sebiferum* Linnaeus, Sp. Pl. 1004 (1753).

*Triadica sinensis* Loureiro, Fl. Cochinch. 610 (1790).

*Stillingia sebifera* Michaux, Fl. Bor.-Am. **2**: 213 (1803).

*Stillingfleetia sebifera* Bojer, Hort. Mauriti. 284 (1837).

*Excoecaria sebifera* J. Müller Argov. in De Candolle, Prodr. **15**, 2: 1210 (1866).

*Stillingia sinensis* Baillon, Ét. Gén. Euphorb. 512, t. 7, fig. 26–30 (1858).

*Carumbium sebiferum* Kurz, Prelim. Rep. For. Veg. Pegu, App. A: cxiv; App. B: 81 (1875); Forest Fl. Brit. Burma, **2**: 412 (1877).

*Triadica sebifera* Small, Man. Southeast. Fl. 789 (1933).

**DAPHNIPHYLLUM** Blume, Bijdr. Fl. Nederl. Ind. 1152 (1826). —Bentham & Hooker f., Gen. Pl. **3**: 282 (1880). —Rosenthal in Engler, Pflanzenreich, IV. **147a** (147, ix–xiv = Heft 68, app.): 4 (1919). —Croizat & Metcalf in Lingnan Sci. Jour. **20**: 105–127, t. 1–3 (1941).

*Gyandra* Lindley ex Wallich, Num. List, no. 8020 [1847], nom.

*Goophia* Wight, Icon. Pl. Ind. Or. **5**: 22, t. 1878–9 (1852).

Typus: *D. glaucescens* Blume.

**D. macropodium** Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 129 (Prol. Fl. Jap. 293) (1867). —Rosenthal in Engler, Pflanzenreich, IV. **147a** (Heft 68): 9, fig. 1 (1919).

*Daphniphyllum glaucescens* Hort. ex Bean in Garden, **48**: 259, fig. (1895). —Nicholson in Kew Hand-list Trees Shrubs, **2**: 133 (1896), pro syn. —Non Blume (1826).

*Daphniphyllum glaucum* Hort. ex Rosenthal in Engler, Pflanzenreich, IV. **147a** (Heft 68): 11 (1919), pro syn.

**D. macropodium** f. *variegatum* (Bean), grad. nov.

*Daphniphyllum macropodium* var. *variegata* Bean, Trees Shrubs Brit. Isl. **1**: 475 (1914).

**D. humile** Maximowicz in Franchet & Savatier, Enum. Pl. Jap. **2**: 488 [1878]. —Schneider, Ill. Handb. Laubh. **2**: 136, fig. 37g (1907).

*Daphniphyllum jezoense* Bean in Garden, **48**: 259 (1895).

—Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, **2**: 133 (1896) “*jezoensis*,” pro syn.

*Daphniphyllum macropodium* var. *jezoensis* [Nicholson] l. c. (1896), nom.

*Daphniphyllum macropodium* var. *humile* Rosenthal in Engler, Pflanzenreich, IV. **147a** (Heft 68): 11 (1919).

## Fam. BUXACEAE

**BUXACEAE** Dumortier, Comment. Bot. **54** (1822). —Baillon, Monog. Buxac. 46 (1859). —J. Müller Argov. in De Candolle, Prodr. **16**, 1: 7 (1869).

*Euphorbiaceae* trib. *Buxineae* Dumortier, Anal. Fam. Pl. **45** (1829).

*Rutaceae* 1. *Euphorbieae* γ. *Buxeeae genuinae* Reichenbach, Handb. Nat. Pflanzensyst. 282 (1837).

*Euphorbiaceae* trib. *Buxeeae*, Endlicher, Gen. Pl. 1122 (1840). —Bentham & Hooker f., Gen. Pl. **3**: 265 (1880).

*Buxineae* [Plée, Typ. Fam. Pl. France, **1**: t. 74 [1853 ?] “*Buxinées*. —] Le Maout & Decaisne, Traité Gen. Bot. 498 (1868).

*Celastraceae* ser. *Buxeeae* Baillon, Hist. Pl. **6**: 16, 47 (1877).

**SARCOCOCCA** Lindley in Bot. Reg. **12**: t. 1012 (1826).

—Bentham & Hooker f., Gen. Pl. **3**: 266 (1880).

*Austrobuxus* Miquel, Fl. Ind. Bat. Suppl. 444 (1860).

*Lepidopelma* Klotzsch in Klotzsch & Garcke, Bot. Ergeb. Reise Prinz Waldemar, 118, t. 22 (1862).

Typus: *S. pruniformis* Lindl. = *S. saligna* (D. Don).

**S. ruscifolia** Stapf in Kew Bull. **1910**: 394 (1910); in Bot. Mag. **150**: t. 9045 (1921). —Bowles in Garden, **83**: 73, fig., 127, fig. (1919).

*Sarcococca pruniformis* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 418 (1894), quoad pl. sin.; non Lindley (1826).

**S. ruscifolia** var. *chinensis* (Franch.) Rehder & Wilson in Sargent, Pl. Wilson. **2**: 163 (1914). —B. O. M[ulligan] in Gard. Chron. ser. 3, **87**: 286, fig. 113 (1930).

*Sarcococca saligna* var. *chinensis* Franchet, Pl. Delavay. 135 [1889].

**S. Hookeriana** Baillon, Monog. Buxac. 53 (1859). —Rehder & Wilson in Sargent, Pl. Wilson. **2**: 164 (1914). —W. Lawrence in Gard. Chron. ser. 3, **92**: 154, fig. 66 (1933).

*Tricera nepalensis* Wallich, Num. List, no. 7979 [1832], nom. nud.; p. p.

*Sarcococca pruniformis* var. *Hookeriana* Hooker f., Fl. Brit. Ind. **5**: 266 (1887).

**S. Hookeriana** var. *digyna* Franchet, Pl. Delavay. 135 [1889]. —B. O. M[ulligan] in Gard. Chron. ser. 3, **87**: 286, fig. 116 (1930).

**S. Hookeriana** var. *humilis* Rehder & Wilson in Sargent, Pl. Wilson. **2**: 164 (1914). —B. O. M[ulligan], l. c., fig. 115 (1930). —Rehder in Jour. Arnold Arb. **14**: 235 (1933).

*Maesa* spec. Léveillé, Fl. Kouy-Tchéou, 287 (1914).

*Myrsine Chevalieri* Léveillé, l. c. (1914).

*Pachysandra Mairei* Léveillé, Cat. Pl. Yun-Nan, 97, fig. 23 (1916).

**Sarcococca Hookeriana** var. **humilis** (continued)

*Sarcococca humilis* Stapf ex Sealy in Bot. Mag. 159: t. 9449 (1936).

**S. saligna** (D. Don) J. Müller Argov. in De Candolle, Prodr. 16,1: 11 (1869).

*Buxus saligna* D. Don, Prodr. Fl. Nepal. 63 (1825).

*Pachysandra* ? *coriacea* Hooker, Exot. Fl. 2: t. 148 (1825).

*Sarcococca pruniformis* Lindley in Bot. Reg. 12: t. 1012 (1826).—Hooker f., Fl. Brit. Ind. 5: 266 (1887).

*Buxus coriaceus* Sprengel, Syst. Veg. 4: 314 (1827).

*Sarcococca salicifolia* Baillon, Monog. Buxac. 49 (1859).

*Sarcococca saligna* β. *genuina* J. Müller Argov. in De Candolle, Prodr. 16,1: 12 (1869).

**PACHYSANDRA** Michaux, Fl. Bor.-Am. 2: 177, t. 45 (1803).—Bentham & Hooker f., Gen. Pl. 3: 267 (1880).

TYPE: *P. procumbens* Michx.

**P. terminalis** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,2: 142 (Fl. Jap. Fam. Nat. 1: 43) (1845).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 164 (1914).**P. terminalis** f. **variegata** [J. B. S. Nort.] Manning ex Hegi, Ill. Fl. Mittel-Eur. 5,1: 203 [1924].

*Pachysandra terminalis* var. *variegata* Hort. ex J. B. S. Norton in Bailey, Cycl. Am. Hort. [3]: 118 (1901).

**P. axillaris** Franchet, Pl. Delavay. 135, t. 26 [1889].—Rehder & Wilson in Sargent, Pl. Wilson. 2: 164 (1914).**P. procumbens** Michaux, Fl. Bor.-Am. 2: 177, t. 45 (1803).—Britton & Brown, Ill. Fl. N. U. S. Can. 2: 384, fig. 2345 (1897).**BUXUS** Linnaeus, Sp. Pl. 983 (1753); Gen. Pl. ed. 5, 423, no. 934 (1754).—Baillon, Monog. Buxac. 58, t. 1, 2 (1859).—Bentham & Hooker f., Gen. Pl. 3: 266 (1880). *Crantzia* Swartz, Prodr. Fl. Ind. Occ. 38 (1788), non Scopoli (1777).

*Tricera* Swartz, Fl. Ind. Occ. 1: 331, t. 7 (1797).

*Buxus* sect. *Eubuxus* Baillon, Monog. Buxac. 58 (1859).

—Mathou in Bull. Soc. Hist. Nat. Toulouse, 75: 22 (1940) "sensu novo".—Hatusima in Jour. Dept. Agric. Kyushu Univ. 6: 275 (Revis. As. Buxus) (1942).

**B. sempervirens** Linnaeus, Sp. Pl. 983 (1753).—Baillon, Monog. Buxac. 59, t. 1, 2, fig. 1-12 (1850).—Alphin in Am. Jour. Bot. 27: 349, fig. 2 t. (1940).—Mathou in op. cit. 23 (1940).

*Buxus sempervirens* a. *arborescens* Linnaeus, Sp. Pl. 983 (1753).

*Buxus arborescens* Miller, Gard. Dict. ed. 8, B. no. 1 (1768).

*Buxus caucasica* hort. ex K. Koch, Dendr. 2,1: 476 (1862), pro syn.

**B. sempervirens** f. **pyramidalis** (Simon-Louis), grad. nov.

*Buxus sempervirens pyramidalis* Simon-Louis, Cat. 1869: 21 (1869).—Dallimore, Holly Yew Box, 228 (1909).

*Buxus vulgaris pyramidata* Carrière in Rev. Hort. 1873: 40 (1873).

*Buxus sempervirens* var. *pyramidata* Hartwig & Rümpler, Bäume Sträuch. 116 (1875).

*Buxus sempervirens* f. *pyramidalis* hort. ex Schelle in Beissner et al., 283 (1903), nom.—Dallimore, Holly Yew Box, 228 (1909) "B. s. p."—Bean, Trees Shrubs Brit. Isl. 1: 278 (1914) "var."

**B. sempervirens** f. **pendula** (Dallim.), grad. nov.

*Buxus sempervirens* f. *pendula* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 283 (1903), nom.—Dallimore, Holly Yew Box, 228 (1909) "B. s. p."—Bean, Trees Shrubs Brit. Isl. 1: 278 (1914) "var."

**B. sempervirens** f. **angustifolia** [Mill.] Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 194 (1864) "(f.)"

*Buxus angustifolia* Miller, Gard. Dict. ed. 8, B. no. 2 (1768).

*Buxus arborescens* 6. *angustifolia* Weston, Bot. Univ. 1: 31 (1770).

*Buxus sempervirens* var. *angustifolia* Loudon, Arb. Brit. 3: 1333 (1838).—Baillon, Monog. Buxac. 61 (1859) "f."; non Siebold (1830).

*Buxus sempervirens* (f.) *longifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 194 (1864).

*Buxus sempervirens* f. *salicifolia* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 283 (1903), nom.—Schneider, Ill. Handb. Laubh. 2: 140 (1907), pro syn.

**B. sempervirens** f. **prostrata** (Bean), grad. nov.

*Buxus sempervirens* var. *prostrata* Bean, Trees Shrubs Brit. Isl. 1: 278 (1914).

**B. sempervirens** f. **handsworthiensis** (Henry), grad. nov.

*Buxus Handsworthii* hort. ex K. Koch, Dendr. 2,1: 476 (1872), pro syn.

*Buxus sempervirens* var. *handsworthiensis* Fisher ex Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1725 (1913).

**B. sempervirens** f. **rotundifolia** (Baill.) Schelle in Beissner et al., Handb. Laubh.-Ben. 284 (1903).

*Buxus sempervirens* β. *rotundifolia* Baillon, Monog. Buxac. 61 (1859).

*Buxus sempervirens latifolia* Hort. ex Rehder, Man. Cult. Trees Shrubs, 532 (1927), non Bean (1914).

**B. sempervirens** f. **bullata** Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 194 (1864) "(f.)"

*Buxus sempervirens latifolia bullata* Dallimore, Holly Yew Box, 226 (1909).

**B. sempervirens** f. **glauca** Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 194 (1864) "(f.)"

*Buxus sempervirens* var. *macrophylla glauca* Hort. ex Rehder, Man. Cult. Trees Shrubs, 532 (1927), pro syn.

**B. sempervirens** f. **aureo-variegata** [Weston], Schelle in Beissner et al., Handb. Laubh.-Ben. 284 (1903) "hort. Spaeth 1890".

*Buxus arborescens* 2. *aureo-variegata* Weston, Bot. Univ. 1: 31 (1770).

*Buxus sempervirens* var. *aurea* Loudon, Arb. Brit. 3: 1333 (1838).—J. Müller Argov. in De Candolle, Prodr. 16,1: 19 (1869) "γ. *arborescens* subvar. a."—Schneider, Ill. Handb. Laubh. 2: 140 (1907) "f."

**B. sempervirens** f. **argenteo-variegata** [Weston] Schelle in Beissner et al., Handb. Laubh.-Ben. 284 (1903), nom. subnud.

*Buxus arborescens* 5. *argenteo-variegata* Weston, Bot. Univ. 1: 31 (1770).

*Buxus argentata* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 6 [1782], nom. subnud.

*Buxus sempervirens* var. *argentata* C. F. Ludwig, Neu. Wilde Baumz. 9 (1783), nom. subnud.

*Buxus sempervirens* var. *argentea* Loudon, Arb. Brit. 3: 1333 (1838).—J. Müll. Argov. in De Candolle, Prodr. 16,1: 19 (1869) "γ. *arborescens* subvar. a."—Schneider, Ill. Handb. Laubh. 2: 140 (1907) "f."

- Buxus sempervirens* 2b. *variegata* Kuntze, Taschen-Fl. Leipzig, 217 (1867), p. p.
- B. sempervirens** f. *marginata* (Loud.), grad. nov.  
*Buxus arborescens* 3. *aureo-limbo* Weston, Bot. Univ. 1: 31 (1770).  
*Buxus sempervirens* var. *marginata* Loudon, Arb. Brit. 3: 1333 (1838). — J. Müller Argov. in De Candolle, Prodr. 16,1: 19 (1869) "*γ. arborescens* subvar. *m.*"  
*Buxus sempervirens* f. *aureo-marginata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 284 (1903), nom. — Loudon ex Schneider, Ill. Hand. Laubh. 2: 140 (1907).
- B. sempervirens** f. *suffruticosa* (L.) Kirchner in Petzold & Kirchner, Arb. Muscav. 194 (1864) "(f.)".  
*Buxus sempervirens* β. *suffruticosa* Linnaeus, Sp. Pl. 983: (1753). — Baillon, Monog. Buxac. 61 (1859) "*γ.*"  
*Buxus suffruticosa* Weston, Bot. Univ. 1: 31 (1770). — Miller, Gard. Dict. ed. 8, B. no. 3 (1768). — Lamarck, Encycl. Méth. Bot. 1: 511 [1785]. — Koehne in Mitt. Deutsch. Dendr. Ges. 1896(5): 48 (1896).  
*Buxus sempervirens* var. *f. nana* Veillard in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 1: 83 [1800].  
*Buxus sempervirens* β. *humilis* Koch, Syn. Fl. Germ. Helv. ed. 2, 2: 722 (1844).
- B. sempervirens** f. *myrtifolia* (Lam.) Schneider, Ill. Handb. Laubh. 2: 140 (1907).  
*Buxus myrtifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 6 [1782], nom. — Lamarck, Encycl. Méth. Bot. 1: 511 [1785].  
*Buxus sempervirens* var. *myrtifolia* C. F. Ludwig, Neu. Wilde Baumz. 9 (1783), nom.  
*Buxus sempervirens* e. *leptophylla* Veillard in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 1: 82, t. 23, fig. 3 [1800].  
*Buxus sempervirens* γ. *myrtifolia* Sweet, Hort. Brit. 358 (1827). — Loudon, Arb. Brit. 3: 1333 (1838) "var."
- B. sempervirens** f. *rosmarinifolia* (Baill.) Schneider, Ill. Handb. Laubh. 2: 140 (1907).  
*Buxus sempervirens* η. *rosmarinifolia* Baillon, Monog. Buxac. 61 (1859). — J. Müller Argov. in De Candolle, Prodr. 16,1: 19 (1869) "*e.*"  
*Buxus sempervirens* (f.) *thymifolia* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 195 (1864).  
*Buxus thymifolia* Hort. ex [Nicholson in] Kew, Hand-list Trees Shrubs, 2: 133 (1896), pro syn.
- B. Wallichiana** Baillon, Monog. Buxac. 63 (1859). — J. Müller Argov. in De Candolle, Prodr. 16,1: 18 (1869). — Mathou in Bull. Soc. Hist. Nat. Toulouse, 75: 64 (1940), exclud. syn. Makino, Léveillé, Link. — Hatusima in Jour. Dept. Agric. Kyushu Univ. 6: 61 (Revis. As. Buxus) (1942).  
*Buxus longifolia* Jacquemont, Jour. ex Baillon, l. c. (1859), pro syn. — [Nicholson in] Kew Hand-list Trees Shrubs, 2: 133 (1896), pro syn. — Non Boissier (1858).  
*Buxus sempervirens* sensu Brandis, For. Fl. Brit. Ind. 447 (1874), non Linnaeus (1753).  
*Buxus sempervirens* var. *arborea* Wallich ex Hooker f., Fl. Brit. Ind. 5: 267 (1887), pro syn.  
*Buxus himalayensis* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 133 (1896), pro syn.
- B. balearica** Lamarck, Encycl. Méth. Bot. 1: 511 [1785]. — J. Müller Argov. in De Candolle, Prodr. 16,1: 18 (1869). — Mathou in Bull. Soc. Hist. Nat. Toulouse, 75: 78, fig. 7, t. 5 (1940).  
*Buxus sempervirens* var. *gigantea* Veillard in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 1: 82, t. 23, fig. 1 [1800].
- B. microphylla** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,2: 142 (Fl. Jap. Fam. Nat. 1: 34) (1845). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 165 (1914). — Mathou in Bull. Soc. Hist. Nat. Toulouse, 75: 45 (1940). — Hatusima in Jour. Dept. Agric. Kyushu Univ. 6: 261 (Revis. As. Buxus) (1942).  
*Buxus virens* sensu Thunberg, Fl. Jap. 77 (1784), sphalm. pro *sempervirens*; non Linnaeus (1753).  
*Buxus japonica* β. *microphylla* J. Müller Argov. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 128 (Prol. Fl. Jap. 292) (1867). — J. Müller Argov. in De Candolle, Prodr. 16,1: 20 (1869).  
*Buxus sempervirens* β. *microphylla* Blume ex Miquel, l. c. (1867), pro syn. — Hayata in Jour. Coll. Sci. Tokyo, 20,3: 83, t. 6, fig. c. (1904).  
*Buxus sempervirens* a. *angustifolia* Siebold in Verh. Batav. Genootsch. Kunst. Wetensch. 12: 30 (Syn. Pl. Oecon. Jap.) (1830), nom. — Siebold & Zuccarini ex Hayata in op. cit. 84 (1904) "*a.*", pro syn.; non Loudon (1838).
- B. microphylla** var. *japonica* (Müll. Arg.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 168 (1914). — Hatusima in Jour. Dept. Agric. Kyushu Univ. 6: 321, fig. 24, t. 27 (1942).  
*Buxus sempervirens* b. *suffruticosa* sensu Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 30 (Syn. Pl. Oecon. Jap.) (1830), nom.; non Linnaeus (1753).  
*Buxus japonica* J. Müller Argov. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 128 (Prol. Fl. Jap. 292) (1867). — J. Müller Argov. in De Candolle, Prodr. 16,1: 20 (1869).  
*Buxus obcordata* T. Moore in Proc. Hort. Soc. Lond. 1: 615 (1861). — Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 283 (1903), pro syn.  
*?Buxus Fortunei* Carrière in Rev. Hort. 1870: 519 (1871).  
*Buxus sempervirens* var. *japonica* Makino in Bot. Mag. Tokyo, 9: 281 (1895); 15: 169 (1901).  
*Buxus microphylla* var. *riparia* Makino in Bot. Mag. Tokyo, 27: 113 (1913).
- B. microphylla** var. *koreana* Nakai ex Wilson in Jour. Arnold Arb. 1: 35 (1919), nom. — Rehder in Jour. Arnold Arb. 7: 240 (1926). — L. C. C[hadwick] in Am. Nurseryman, 85,2: 55, fig. (p. 1) (1947).  
*Buxus japonica* sensu Palibin in Act. Hort. Petrop. 18: 188 (1900), non J. Müller Argov. (1869).  
*Buxus microphylla* sensu Nakai [Fl. Quelpaert Isl.] 60 (1915?), nom.; non Siebold & Zuccarini (1845).  
*Buxus microphylla* var. *riparia* sensu Trollope in Trans. Korea Branch Roy. As. Soc. 11: 42 (1920), non Makino (1913).  
*Buxus microphylla* var. *sinica* sensu Mori, Enum. Pl. Korea, 235 (1922), nom.; non Rehder & Wilson (1914).  
*?Buxus microphylla* var. *insularis* Nakai in Bot. Mag. Tokyo, 36: 63 (1922). — Hatusima in Jour. Dept. Agric. Kyushu Univ. 6: 331, fig. 26, t. 26, fig. 1 (Revis. As. Buxus) (1942).
- B. microphylla** var. *sinica* Rehder & Wilson in Sargent, Pl. Wilson. 2: 165 (1914). — Hatusima in op. cit. 326, fig. 25, t. 21, 22, fig. 1 (1942) "subsp."  
*Buxus sempervirens* sensu Franchet, Pl. Delavay. 136 [1889], non Linnaeus (1753).

**Buxus microphylla** var. **sinica** (continued)

?*Buxus Harlandi* var. *platyphylla* Schneider, Ill. Handb. Laubh. 2: 139 (1907).

*Buxus intermedia* Kanehira, Formos. Trees, rev. ed. 359, fig. 315 (1936), exclud. fig. b et c.; cum diagn. jap. brevi.

Fam. **EMPETRACEAE**

**EMPETRACEAE** Dumortier, Florula Belg. 106 (1827), nom. subnud. — De Candolle, Prodr. 16,1: 24 (1869).

*Empetridia* Rafinesque, Analyse Nat. 182 (1815), nom. subnud., gen. nonnull. exclud.; Fl. Tellur. 3: 50 [1837], p. p.

*Empetreae* Nuttall, Gen. N. Am. Pl. 2: 233 (1818) "*Coniferae* sect. *E.*"; nom. event. — D. Don in Edinb. New Philos. Jour. 1826-27[2]: 59 (1826, Dec.). — Hooker in Bot. Mag. 54: t. 2738, p. [1] (1827, Aug.).

*Empetrideae* S. F. Gray, Nat. Arr. Brit. Pl. 1: 732 (1821). *Rutaceae* v. *Rutariae* a. *Empetreae* Reichenbach, Consp. Reg. Veg. 196 (1828), p. p. typ.; nom. subnud.; Handb. Nat. Pflanzensyst. 282 (1837).

*Empetrineae* Dumortier, Anal. Fam. Pl. 80 (1829).

*Pyrolaceae* c. *Empetreae* Horaninov, Char. Ess. Fam. Reg. Veg. 109 (1847).

**COREMA** D. Don in Edinb. New Philos. Jour. 1826-27 [2]: 63 (1827). — Bentham & Hooker f., Gen. Pl. 3: 414 (1880).

*Euleucum* Rafinesque, Fl. Tellur. 3: 56 [1837].

*Colema* Don ex Rafinesque, New Fl. N. Am. 3: 49 [1838], sphalm. pro *Corema*, cf. 4: 107 [1838].

*Colema* subgen. *Euleuca* et subgen. *Endammia* Rafinesque, l. c. [1838].

*Tuckermania* Klotzsch in Arch. Naturgesch. (Wiegmann), 7,1: 248 (1841).

*Oakesia* Tuckerman in Lond. Jour. Bot. 1: 445 (1842).

Typus: *Empetrum album* L. = *C. album* (L.) D. Don.

**C. Conradii** (Torr.) Loudon, Encycl. Trees Shrubs, 1092, fig. 2039 (1842). — Britton & Brown, Ill. Fl. N. U. S. Can. 2: 384, fig. 2344 (1897).

*Empetrum Conradii* Torrey in Ann. Lyc. Nat. Hist. New York, 4: 83 (1837).

*Colema arenaria* Rafinesque, New Fl. N. Am. 3: 49 [1838].

*Endammia ericoides* Rafinesque, l. c. [1838], nom. altern. *Tuckermania Conradii* Klotzsch in Arch. Naturgesch. (Wiegmann), 7,1: 248 (1841).

*Oakesia Conradi* Tuckerman in Lond. Jour. Bot. 1: 446 (1842).

**C. album** (L.) D. Don in Edinb. New Philos. Jour. 1826-27 [2]: 63 (1827). — Schneider, Ill. Handb. Laubh. 2: 141, fig. 92a-f (1907).

*Empetrum album* Linnaeus, Sp. Pl. 1022 (1753).

*Euleucum album* Rafinesque, Fl. Tellur. 3: 56 [1837].

**EMPETRUM** Linnaeus, Sp. Pl. 1022 (1753); Gen. Pl. ed. 5, 447, no. 977 (1754). — Bentham & Hooker f., Gen. Pl. 3: 414 (1880). — R. Good in Jour. Linn. Soc. Lond. Bot. 47: 489 (1927).

Typus: *E. nigrum* L.

**E. nigrum** Linnaeus, Sp. Pl. 1022 (1753). — Schneider, Ill. Handb. Laubh. 2: 142, fig. 92g-o (1908).

*Empetrum procumbens* Gilibert, Exerc. Phytol. 2: 393 (1790).

*Empetrum scoticum* Hooker, Brit. Fl. ed. 2, 431 (1831).

*Empetrum crassifolium* Rafinesque, New Fl. N. Am. 3: 51 [1838].

*Empetrum nigrum* a. *typica* Koehne, Deutsche Dendr. 357 (1893).

*Empetrum nigrum* β. *scoticum* Hort. ex K. Koch, Hort. Dendrol. 89 (1853). — Schelle in Beissner et al., Handb. Laubh.-Ben. 281 (1903) "f." — Bean, Trees Shrubs Brit. Isl. 1: 511 (1914) "var."

**E. nigrum** f. **purpureum** (Raf.) Fernald in Rhodora, 25: 83 (1923). — R. Good in Jour. Linn. Soc. Bot. 47: 519 (1927).

*Empetrum purpureum* Rafinesque, New Fl. N. Am. 3: 50 [1838].

*Empetrum nigrum* β. *purpureum* De Candolle, Prodr. 16,1: 26 (1869). — Fernald & Wiegand in Rhodora, 15: 212 (1913) "var." — Rehder, Man. Cult. Trees Shrubs, ed. 2, 539 (1940) "var."

**E. nigrum** f. **leucocarpum** Ascherson ex L. M. Neuman, Sverig. Fl. 292 (1901) "f. *leucocarpha*." — Hegi, Ill. Fl. Mitteleur. 5,3: 1605 [1927] "var."

**E. atropurpureum** Fernald & Wiegand in Rhodora, 15: 214 (1913).

*Empetrum nigrum* var. *andinum* sensu Fernald in Rhodora, 4: 150 (1902), p. p.; non De Candolle (1869).

*Empetrum rubrum* var. *atropurpureum* R. Good in Jour. Linn. Soc. Lond. Bot. 47: 519 (1927).

**E. Eamesii** Fernald & Wiegand in Rhodora, 15: 215 (1913).

*Empetrum nigrum* var. *andinum* sensu Fernald in Rhodora, 4: 150 (1902), p. p.; non De Candolle (1869).

*Empetrum rubrum* subsp. *Eamesii* R. Good in Jour. Linn. Soc. Lond. Bot. 47: 519 (1927).

Fam. **CORIARIACEAE**

**CORIARIACEAE** Horaninov, Prim. Lin. Syst. Nat. 99 (1834). — Lemaire in Orbigny, Dict. Univ. Hist. Nat., n. ed., 4: 239 (1844). — Engler in Nat. Pflanzenfam. III. 5: 128, fig. [1890].

*Coriariae* De Candolle, Prodr. 1: 739 (1824). — Bentham & Hooker f., Gen. Pl. 1: 429 (1862).

*Rutaceae* 3. *Simarubeae* a. *Coriariae* Reichenbach, Handb. Nat. Pflanzensyst. 283 (1837).

*Zanthoxyleae* subfam. *Coriariae* Presl, Wseob. Rostlin. 1: 287 (1846).

*Rutaceae* trib. *Xanthoxylariae* a. *Coriariae* Horaninov, Char. Ess. Fam. Reg. Veg. 178 (1847).

*Coriariaceae* trib. *Coriariae* Chatin in Ann. Sci. Nat. Bot. sér. 4, 6: 272 (1856) "*Coriaraceae* vel *Coriarineae* trib. *Coriariae*".

**CORIARIA** Linnaeus, Sp. Pl. 1037 (1753); Gen. Pl. ed. 5, 459, no. 1002 (1754). — Bentham & Hooker f., Gen. Pl. 1: 429 (1862). — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 29,3: 1 (De Coriaria, Illice) (1881).

*Heterocladus* Turczaninov in Bull. Soc. Nat. Moscou, 20,1: 152 (1847).

*Heterophylleia* Turczaninov in op. cit. 21,1: 591, in obs. (1848).

Typus: *C. myrtifolia* L.

**C. japonica** Gray in Mem. Am. Acad. Arts Sci. n. ser. 6: 383 (Diag. Char. Pl. Jap. [Bot. Jap.]) [1859]. — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 29,3: 9, fig. (1881).

*Croton Siraki* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,2: 144 (Fl. Jap. Fam. Nat. 1: 36) (1845).



**C. sinica** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **29**: 9, fig. (1881).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 170 (1914).—Rehder in Jour. Arnold Arb. **14**: 237 (1933).

*Coriaria nepalensis* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 149 (1886), non Wallich (1832).

*Morus calva* Léveillé in Repert. Sp. Nov. Reg. Veg. **11**: 549 (1913).

**C. myrtifolia** Linnaeus, Sp. Pl. 1037 (1753).—Schneider, Ill. Handb. Laubh. **2**: 143, fig. 93, 94a-b (1907).

**C. terminalis** Hemsley in Hooker's Icon. Pl. **23**: t. 2220 (1892).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 170 (1914).

**C. terminalis** var. *xanthocarpa* Rehder & Wilson in op. cit. 171 (1914).

*Coriaria nepalensis* sensu St. Paul-Ille in Mitt. Deutsch. Dendr. Ges. **1897**(6): 62, t. [1897?], quoad pl. depict., non *C. nepalensis* Wallich (1832).

*Coriaria terminalis* sensu Bean in Gard. Chron. ser. 3, **34**: 282, fig. 119 (1903).—Sprague in Bot. Mag. **139**: t. 8525 (1913).—Non Hemsley (1892), typus.

### Fam. ANACARDIACEAE

ANACARDIACEAE Lindley, Introd. Nat. Syst. Bot. 127 (1830).—Engler in A. & C. de Candolle, Monog. Phaner. **4**: 171-546, t. 4-15 (1883).—Barclay in Am. Midland Nat. **28**: 465 (1942).—NOM. CONSERV.; cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 64 (1935) et Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936).

*Terebinthaceae* Jussieu, Gen. Pl. 368 (1789).—De Candolle in Lamarck & De Candolle, Fl. Franç. **4**: 613 (1805); Prodr. **2**: 61 (1825); "*Terebinthaceae*".

*Spondiaceae* Kunth in Ann. Sci. Nat. **2**: 333 (1824).—Small, Fl. Southeast. U. S. 725 (1903).

*Terebinthaceae* trib. *Anacardiaceae* seu *Cassuvieae* R. Brown ex De Candolle, Prodr. **2**: 62 (1825).

*Terebinthaceae* trib. *Sumachineae* De Candolle, op. cit. 66 (1825).

*Cassuvieae* Bartling, Ord. Nat. Pl. 395 (1830).

*Juglandaceae* Horaninov, Prim. Lin. Syst. Nat. 64 (1834), p. p. quoad *Pistacia*.

*Terebinthaceae* 3. *Terebinthineae* c. *Sumachinae* Reichenbach, Handb. Nat. Pflanzensyst. 224 (1837).

*Lentiscaceae* Horaninov, Tetractys Nat. 25 (1843), nom.

*Pistaceae* Link & Mart. ex Horaninov, l. c. (1843), pro syn.

*Cassuvieae* subfam. *Anacardiaceae* et *Sumachineae* Presl, Wseob. Rostlin. **1**: 319, 327 (1846).

*Spondiaceae* a. *Cassuvieae* Horaninov, Char. Ess. Fam. Reg. Veg. 153 (1847).

*Pistaceae* Marchand in Bull. Soc. Bot. France, **16**: 118 (1869).

*Terebintheae* Parlatore, Fl. Ital. **5**: 376 (1872).

*Pistaciaceae* Caruel in Nuov. Giorn. Bot. Ital. **11**: 22 (1879).

**PISTACIA** Linnaeus, Sp. Pl. 1025 (1753); Gen. Pl. ed. 5, 450, no. 982 (1754).—Salisbury, Prodr. Stirp. Chap. Allert. 171 (1796) "*Pistachia*", "*Pistacia*" in indice (p. 418).—Bentham & Hooker f., Gen. Pl. **1**: 419 (1862).

*Lentiscus* Miller, Gard. Dict. abridg. ed. 4, **2** (1754).—Kuntze, Rev. Gen. Pl. **1**: 152 (1891).

*Terebinthus* Miller, op. cit. **3** (1754).—Jussieu, Gen. Pl. **371** (1789).

*Eurardia* Adanson, Fam. Pl. **2**: 342 (1763).

*Therminthos* St.-Lager in Ann. Soc. Bot. Lyon, **7**: 133 (1880); **8**: 203 (1881) "*Terminthos*".

LECTOTYPUS: *P. vera* L.

**P. chinensis** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 89 (Enum. Pl. Chin. Bor. 15. 1833) (1835).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 173 (1914).—Rehder in Jour. Arnold Arb. **14**: 238 (1933).

*Lentiscus chinensis* Kuntze, Rev. Gen. Pl. **1**: 153 (1891).

*Pistacia formosana* Matsumura in Bot. Mag. Tokyo, **15**: 40 (1901).

*Pistacia philippinensis* Merrill & Rolfe in Philipp. Jour. Sci. Bot. **3**: 107 (1908).

*Rhus gummifera* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 474 (1912).

*Rhus Argyi* Léveillé in Mem. Acad. Ci. Art. Barcelona, ser. 3, **12**: 562 (Cat. Pl. Kiang-Sou, **7**: 22) (1916).

**COTINUS** Miller, Gard. Dict. abridg. ed. 4, **1** (1754).—Adanson, Fam. Pl. **2**: 345 (1763).—Scopoli, Fl. Carniol. ed. 2, **1**: 220 (1772).—Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, **60**: 358 (1915).—Barkley in Ann. Missouri Bot. Gard. **24**: 300 (1937).

*Rhus* Linnaeus, Sp. Pl. 265 (1753), p. p.

*Rhus-Cotinus* Weston, Bot. Univ. **1**: 244 (1770).

*Rhus* sect. *Cotinus* De Candolle, Prodr. **2**: 67 (1825).—Rouy in Rouy & Foucaud, Fl. France, **4**: 179 (1897) "subgen."

TYPUS: *Rhus Cotinus* L. = *Cotinus Coggygria* Scop.

**C. Coggygria** Scopoli, Fl. Carniol. ed. 2, **1**: 220 (1772).—Engler in A. & C. de Candolle, Monog. Phaner. **4**: 350 (1883).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 175 (1914).

*Rhus Cotinus* Linnaeus, Sp. Pl. 267 (1753).

*Rhus-Cotinus Cotinus* Weston, Bot. Univ. **1**: 244 (1770).

*Rhus simplicifolia* Salisbury, Prodr. Stirp. Chap. Allert. 170 (1796).

*Rhus obovatifolia* Stokes, Bot. Mat. Med. **2**: 159 (1812).

*Rhus laevis* Wallich ex G. Don, Gen. Hist. Dichlam. Pl. **2**: 69 (1832).

*Cotinus Coccygea* K. Koch, Dendr. **1**: 582 (1869).

*Cotinus coggygria* a. *laevis* Engler in A. & C. de Candolle, Monog. Phaner. **4**: 350 (1883).

*Cotinus Cotinus* Sargent in Gard. & For. **4**: 340 (1891).

**C. Coggygria** f. *purpureus* (Dupuy-Jamin), Rehder in Jour. Arnold Arb. **3**: 212 (1922).—Rehder, Man. Cult. Trees Shrubs, 536 (1927) "var."

*Rhus Cotinus purpureus* Dupuy-Jamin in Rev. Hort. **1870**: 567 [1871].

*Rhus cotinus atropurpurea* Burvenich in Rev. Hort. Belg. **11**: 257 (1885).—Voss, Vilmor. Blumengärt. **1**: 190 [1894] "f."—Cowell in Bailey, Cycl. Am. Hort. [**4**]: 1529 (1902) "var."

*Cotinus Coccygea* a. *atropurpurea* Dippel, Handb. Laubh. **2**: 382 (1892).

*Cotinus Coggygria* f. *atropurpurea* Schneider, Ill. Handb. Laubh. **2**: 146 (1907).

**C. coggygria** f. *pendulus* [Burvenich] Schneider, l. c. (1907) "*pendula*".

*Rhus Cotinus pendula* Burvenich in Rev. Hort. Belg. **11**: 256, fig. 38 (1885).—Bean, Trees Shrubs Brit. Isl. **2**: 392 (1914) "var."

*Cotinus Coccygea* b. *pendula* Dippel, Handb. Laubh. **2**: 382 (1892).

**C. obovatus** Rafinesque, Autik. Bot. 82 (1840).—Little in Proc. Oklahoma Acad. Sci. **23**: 21 (1943).

**Cotinus obovatus** (*continued*)

*Rhus Cotinus* sensu Nuttall, Trav. Arkans. 177 (1821), nom.—Torrey & Gray, Fl. N. Am. 1: 216 (1838).—Non Linnaeus (1753).

*Rhus cotinoides* Nuttall ex Torrey & Gray, op. cit. 217 (1838), pro syn.—J. G. Cooper in Ann. Rep. Smithsonian. Inst. 1858: 250 (1859).

*Cotinus americanus* Nuttall, N. Am. Sylva, 3: 1, t. 81 (1849).—Sargent, in Gard. & For. 4: 340 (1891); Silva N. Am. 3: 3, t. 98, 99 (1892).—Barkley in Ann. Missouri Bot. Gard. 24: 301, t. 10f, 11f, 12f, 14b, 16, fig. 2 (1937).

*Rhus americana* Sudworth in Bull. Torrey Bot. Club, 19: 80 (1892).

**RHUS** Linnaeus, Sp. Pl. 265 (1753); Gen. Pl. ed. 5, 129, no. 331 (1754).—Bentham & Hooker f., Gen. Pl. 1: 418 (1862).—Barkley in Ann. Missouri Bot. Gard. 24: 312 (1937).

*Toxicodendron* sensu Kuntze, Rev. Gen. Pl. 1: 153 (1891), sensu ampl.; non Miller (1768).

*Duckera* Barkley in Am. Midland Nat. 28: 472 (1942).

*Searsia* Barkley, l. c. (1942).

LECTOTYPUS: *R. Coriaria* L.

Sect. SUMAC De Candolle, Prodr. 2: 67 (1825).—Rouy in Rouy & Foucaud, Fl. France, 4: 178 (1897) "subgen."—Barkley in Ann. Missouri Bot. Gard. 24: 315 (1937) "subgen."

*Sumacus* Rafinesque, Autik. Bot. 83 (1840), nom. subnud.

*Rhus* sect. *Trichocarpeae* Engler in Bot. Jahrb. 1: 379 (1881), p. p.

*Rhus* sect. *Trichocarpa* subsect. *Sumac* Koehne, Deutsche Dendr. 359 (1893).

*Schmaltzia* sensu Small, Fl. Southeast. U. S. 727 (1903), p. p.; non Desvieux (1809), sensu stricto.

**R. glabra** Linnaeus, Sp. Pl. 265 (1753).—Barkley in Ann. Missouri Bot. Gard. 24: 331, t. 10k, 11h, 12i, 13b, c, 14e (1937), cum syn. multis.

*Rhus Carolinianum* Miller, Gard. Dict. ed. 8, R. no. 4 (1768).

*Rhus Canadense* Miller, l. c. R. no. 5 (1768).

*Rhus glabrum carolinense* et *R. canadense* Marshall, Arbust. Am. 129 (1785).

*Rhus elegans* Aiton, Hort. Kew. 1: 366 (1789).

*Rhus hypselodendrum* Moench, Meth. Pl. 73 (1794).

*Rhus laevicaulis* Torrey ex Gray in Mem. Acad. Arts Sci. 4: 28 (Pl. Fendler.) (1849), pro syn.

*Rhus viridiflora* Hort. ex Engler in A. & C. de Candolle, Monog. Phaner. 4: 376 (1883), pro syn.

*Toxicodendron glabrum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).

*Schmaltzia glabra* Small, Fl. Southeast. U. S. 729, 1334 (1903).

**R. glabra** f. *laciniata* (Carr.), grad. nov.

*Rhus glabra laciniata* Carrière in Rev. Hort. 1863: 7, fig. 1 (1863).—Schneider, Ill. Handb. Laubh. 2: 154, fig. 102b (1907) "var."

*Rhus glabra* f. *elegans laciniata* Carr. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 286 (1903).

**R. glabra** var. *cismontana* (Greene) Cockerell in Daniels, Fl. Boulder Colo. 167 (1911).

*Rhus cismontana* Greene in Proc. Washington Acad. Sci. 8: 189 (1906).

**R. glabra** f. *flavescens* (D. M. Andr.) Rehder in Jour. Arnold Arb. 21: 277 (1940) "var. *cismontana* f. fl." *Rhus cismontana flavescens* D. M. Andrews, New or Notew. Pl. [Rockmount Nurs.] 5 (1922).

**R. typhina** Linnaeus (praes. [resp.] Torner), Cent. Pl. II. 14 (1756); Amoen. Acad. 4: 311 (1760).—Barkley in Ann. Missouri Bot. Gard. 24: 326, t. 14d, 15c (1937).

*Datisca hirta* Linnaeus, Sp. Pl. 2: 1037 (1753), forma monstr.

*Rhus typhium* Crantz, Inst. Herb. 2: 275 (1766).

*Rhus viridiflorum* Hort. Paris ex Mirbel in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 2: 163 [1804].

*Rhus Canadense* Hort. Paris ex Mirbel in Duhamel, l. c. [1804].—Hort. ex Engler in A. & C. de Candolle, Monog. Phaner. 4: 377 (1883), pro syn.—Non Miller (1768), nec Marshall (1785).

*Rhus gracilis* Hort. ex Engler, l. c. (1883), pro syn.

*Toxicodendron typhinum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).

*Rhus frutescens* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 1: 103 (1892), pro syn.

*Rhus hirta* Sudworth in Bull. Torrey Bot. Club, 19: 81 (1892), non Harvey ex Engler (1883), pro syn.

*Schmaltzia hirta* Small, Fl. Southeast. U. S. 729, 1334 (1903).

*Rhus hirta* var. *typhina* Farwell in Rep. Michigan Acad. Sci. 15: 180 (1913).

**R. typhina** f. *laciniata* (Wood) Rehder in Rhodora, 9: 115 (1907).

*Rhus typhina* var. *laciniata* Wood, Class-book Bot. ed. 2, 284 (1877).—Barkley in Ann. Missouri Bot. Gard. 24: 329 (1937), p. p.

?*Rhus typhina* f. *monstrosa* hort. ex Schelle in Beissner, et al., Handb. Laubh.-Ben. 285 (1903), nom.

**R. typhina** f. *dissecta* Rehder in Rhodora, 9: 115 (1907); in Mitt. Deutsch. Dendr. Ges. 1907(16): 73 [1908].

*Rhus typhina* var. *laciniata* Hort. [Manning] ex Rehder in Möller's Deutsch. Gärt.-Zeit. 15: 211, fig. (1900).—Barkley in Ann. Missouri Bot. Gard. 24: 329 (1937), p. p.—Non Wood (1877).

*Rhus hirta* var. *laciniata* Schneider, Ill. Handb. Laubh. 2: 154 (1907).

*Rhus typhina* var. *flicina* Sprenger in Mitt. Deutsch. Dendr. Ges. 1907(16): 67 [1908].

*Rhus flicifolia* Demcker in Mitt. Deutsch. Dendr. Ges. 1909(18): 325 [1910?]; in Repert. Sp. Nov. Reg. Veg. 13: 347 (1914).

*Rhus hirta dissecta* Nash in Addisonia, 1: 73, t. 37 (1916).

**R. pulvinata** (*R. glabra* × *typhina*) Greene in Repert. Sp. Nov. Reg. Veg. 5: 45 (1908).—Barkley in Ann. Missouri Bot. Gard. 24: 330 (1937); in Am. Midland Nat. 19: 598, fig. (1938).

*Rhus americana* Hort. ex Dippel, Handb. Laubh. 2: 367 (1892), nom. tentat.; non Sudworth (1892).

*Rhus glabra* × *typhina* Koehne, Deutsche Dendr. 359 (1893).

?*Rhus glabra* var. *borealis* Britton, Man. Fl. N. St. Can. 601 (1901).

?*Rhus borealis* Greene in Proc. Washington Acad. Sci. 8: 188 (1906).—Little in Am. Midland Nat. 33: 498 (1945).

?*Rhus Sandbergii* Greene in op. cit. 187 (1906).

*Rhus hirta* × *glabra* Schneider, Ill. Handb. Laubh. 2: 154 (1907).

- Rhus gymnoclada* Greene in Repert. Sp. Nov. Reg. Veg. 5: 45 (1908).
- Rhus hybrida* Rehder in Mitt. Deutsch. Dendr. Ges. 1913 (22): 256 [1914].
- R. Michauxii** Sargent in Gard. & For. 8: 404 (1895).—Barkley in Ann. Missouri Bot. Gard. 24: 324 (1937).
- Rhus pumilum* [? W. Young, Cat. Arb. Arbust. Am. 21 (1783), nom.—] Michaux, Fl. Bor.-Am. 1: 182 (1803), non Meerburgh (1798).
- Toxicodendron pumilum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).
- Schmaltzia Michauxii* Small, Fl. Southeast. U. S. 729, 1334 (1903).
- R. copallina** Linnaeus, Sp. Pl. 266 (1753) "*Copallinum*".—Gmelin in Linnaeus, Syst. Nat. ed. 13, 3: 1615 (1793) "*corallinum*" sphalm., in indice tantum.—Barkley in Ann. Missouri Bot. Gard. 24: 316 (1937).
- Rhus pistachiaefolia* Salisbury, Prodr. Stirp. Chap. Allert. 169 (1796).
- Rhus lentiscifolia* Stokes, Bot. Mat. Med. 2: 164 (1812).
- Sumac* *copallinus* Rafinesque, Autik. Bot. 83 (1840).
- Toxicodendron copallinum* Kuntze, Rev. Gen. Pl. 1: 153 (1891).
- Schmaltzia copallina* Small, Fl. Southeast. U. S. 728, 1334 (1903).
- R. Coriaria** Linnaeus, Sp. Pl. 267 (1753).—Rouy in Rouy & Foucaud, Fl. France, 4: 178 (1897).
- Rhus Sumac* Targioni-Tozzetti in Mem. Mat.-Fis. Soc. Ital. Sci. 20, 2: 293, t. 1, fig. 2 (Osserv. Bot. dec. 6: 3, t. 16) (1831).
- Toxicodendron Coriaria* Kuntze, Rev. Gen. Pl. 1: 153 (1891).
- R. chinensis** Miller, Gard. Dict. ed. 8, R. no. 7 (1768) "*Chinense*".—Merrill in Trans. Am. Philos. Soc. 24, 1: 244 (Comm. Lour. Fl. Cochinch.) (1935).
- ?*Rhus chinense* Osbeck, Dagb. Ostind. Resa, 232 (1757), nom.
- ?*Rhus sinensis* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 26 [1782], nom.—C. F. Ludwig, Neu. Wilde Baumz. 41 (1783), nom.
- Rhus javanica* Thunberg, Fl. Jap. 121 (1784).—Loureiro, Fl. Cochinch. 183 (1790).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 178 (1914).—Non Linnaeus (1753).
- Rhus semialata* Murray in Comm. Soc. Sci. Goetting. 6: 27, t. 3 (1784).—Diels in Bot. Jahrb. 29: 433 (1900).
- Rhus semialata*  $\beta$ . *Osbeckii* De Candolle, Prodr. 2: 67 (1825).—Engler in A. & C. de Candolle, Monog. Phaner. 4: 380 (1883).
- Calophyllum Augia* (Lour.?) Steudel, Nomencl. Bot. ed. 2, 1: 260 (1840).
- Rhus Osbeckii* Decaisne ex Steudel, op. cit. 2: 452 (1841), pro syn.—Schneider, Ill. Handb. Laubh. 2: 156, fig. 101l-r, 102d (1907).
- Toxicodendron semialatum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).
- R. chinensis** var. *Roxburghii* (DC.) Rehder in Jour. Arnold Arb. 20: 416 (1939).
- Rhus Buchi-amelam* Roxburgh, Cat. Hort. Bengal. 22 (1814), nom.
- Rhus amela* D. Don, Prodr. Fl. Nepal. 248 (1825).
- Rhus semialata*  $\gamma$ . *Roxburghii* De Candolle, Prodr. 2: 67 (1825).
- Rhus affinis* Wallich, Num. List, no. 995 [1829], nom.
- Rhus Roxburghii* Decaisne ex Steudel, Nomencl. Bot. ed. 2, 2: 452 (1841), pro syn.
- Rhus semialata* sensu Brandis, For. Fl. Brit. Ind. 119 (1874), non Murray (1784).
- Rhus semialata* f. *exaltata* Franchet in Bull. Soc. Bot. France, 33: 466 (1886), nom.; Pl. Delavay. 148 [1889].
- Rhus javanica* var. *Roxburghii* Rehder & Wilson in Sargent, Pl. Wilson. 2: 179 (1914).
- R. punjabensis** Stewart var. *sinica* (Diels) Rehder & Wilson in Sargent, Pl. Wilson. 2: 176 (1914).—Rehder in Jour. Arnold Arb. 14: 238 (1933).
- Rhus sinica* Diels in Bot. Jahrb. 29: 432 (1900).
- Rhus punjabensis* sensu Dunn in Jour. Linn. Soc. Lond. Bot. 39: 485 (1911), non Stewart (1874).
- ?*Rhus echinocarpa* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 475 (1912), p. p. quoad Cavalerie 2003.
- Rhus Esquirolii* Léveillé in op. cit. 12: 181 (1913).
- ?*Rhus Mairei* Léveillé, Sert. Yunnan. 2 (1916); Cat. Pl. Yun-Nan, 269 (1917).
- R. Potaninii** Maximowicz in Act. Hort. Petrop. 11: 110 (1889).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 177 (1914).
- Rhus Henryi* Diels in Bot. Jahrb. 29: 432 (1900).
- Rhus sinica* sensu Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 102, fig. 5 [?1911].—Schneider, Ill. Handb. Laubh. 2: 1022, fig. 603 (1912).—Non Diels (1900).
- Sect. 2. TOXICODENDRON (Mill.) Gray, Man. Bot. N. U. S. ed. 2, 76 (1856).—Schneider, Ill. Handb. Laubh. 2: 149 (1907) "subgen."
- Vernix* Adanson, Fam. Pl. 2: 342 (1763).
- Toxicodendron* Miller, Gard. Dict. ed. 8 (1768).—Barkley in Ann. Missouri Bot. Gard. 24: 417 (1937).—Non *Toxicodendron* Thunberg (1796) nom. ad conserv. propositum (cf. Kew Bull. 1935: 521), sed rejectum (cf. Kew Bull. 1940: 109).
- Rhus-Toxicodendron* Weston, Bot. Univ. 1: 243 (1770).—Marshall, Arbust. Am. 130 (1785).
- Pocophorum* Necker, Elem. Bot. 2: 226 (1790).
- Cotinus* Borkhausen, Tent. Disp. Pl. Germ. 29 (1792).
- Philostemon* Rafinesque, Fl. Ludovic. 107 (1817); Autik. Bot. 83 (1840).—Steudel, Nomencl. Bot., ed. 2, 2: 320 (1841) "*Philostemum*", pro syn.
- Rhus* sect. *Trichocarpae* Engler in Bot. Jahrb. 1: 379 (1881), p. p. quoad *R. trichocarpa*.
- Rhus* sect. *Venenatae* Engler in op. cit. (1881).
- Rhus* subgen. *Toxicodendron* sect. *Eutoxicodendron* et sect. *Vernix* Schneider, Ill. Handb. Laubh. 2: 149, 151 (1907).
- Toxicodendron* sect. *Eutoxicodendron* et sect. *Vernix* Barkley in Ann. Missouri Bot. Gard. 24: 419, 436 (1937).
- R. trichocarpa** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 84 (Prol. Fl. Jap. 16) (1866).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 180 (1914).—Rehder in Jour. Arnold Arb. 14: 239 (1933).
- Toxicodendron trichocarpum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).
- Rhus echinocarpa* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 475 (1912), exclud. Cavalerie 2003.
- R. verniciflua** Stokes, Bot. Mat. Med. 2: 164 (1812).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 181 (1914).
- Rhus Vernix* Linnaeus, Sp. Pl. 265 (1753), p. p., quoad pl. jap.—Thunberg, Fl. Jap. 121 (1784).
- Rhus vernicifera* De Candolle, Prodr. 2: 68 (1825), exclud. specim. nepal.—Engler in A. & C. de Candolle, Monog. Phaner. 4: 398 (1883).—Non Salisbury (1796).
- Rhus Kaempferi* Sweet, Hort. Brit. 97 (1827).

**Rhus verniciflua** (continued)

- Rhus succedanea* var. *himalaica* Hooker f., Fl. Brit. Ind. 2: 12 (1876).
- Rhus verniciflua* var. *Silvestrii* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 416 (1910); 18: 173 (1911).
- Toxicodendron verniciflua* (Stokes) Moldenke in Phytologia, 2: 142 (1946).
- R. sylvestris** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 43: 140 (Fl. Jap. Fam. Nat. 2: 32) (1846).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 180 (1914).
- Toxicodendron silvestre* Kuntze, Rev. Gen. Pl. 1: 154 (1891).
- R. vernix** Linnaeus, Sp. Pl. 265 (1753), p. p. max.—Michaux, Fl. Bor.-Am. 1: 183 (1803).—Sargent, Silva N. Am. 3: 23, t. 107, 108 (1892).
- Toxicodendron pinnatifolium* Miller, Gard. Dict. ed. 8, T. no. 4 (1768), sphalm. "pinnatis", corr. ad finem vol.; p. p. max.
- Rhus-Toxicodendron Vernix* Marshall, Arbust. Am. 130 (1785).
- Rhus verniciferum* Salisbury, Prodr. Stirp. Chap. Allert. 169 (1796), p. p. max.
- Toxicodendron pinnatum* Miller ex Willdenow, Sp. Pl. 1, 2: 1479 [1798], pro syn.
- Rhus venenata* De Candolle, Prodr. 2: 68 (1825).—Engler in A. & C. de Candolle, Monog. Phaner. 4: 397 (1883).
- ?*Rhus juglandifolia* C. de Vos, Handb. Boom. Heest. ed. 2, 164 (1887), nom. subnud.
- Rhus ailanthifolia* C. de Vos, l. c. (1887), pro syn.
- Toxicodendron vernix* Kuntze, Rev. Gen. Pl. 1: 153 (1891).—Barkley in Ann. Missouri Bot. Gard. 24: 438, t. 10, fig. j, t. 11, fig. d, t. 12, fig. j, t. 14, fig. g (1937).
- R. succedanea** Linnaeus, Mant. Pl. 2: 222 (1771).—Engler in A. & C. de Candolle, Monog. Phaner. 4: 399 (1883).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 182 (1914).
- Augia sinensis* Loureiro, Fl. Cochinch. 337 (1790), p. p. maiore.
- Rhus fraxinifolium* Salisbury, Prodr. Stirp. Chap. Allert. 169 (1796).
- Rhus pubigera* Blume, Bijdr. Fl. Nederl. Ind. 1165 (1825).
- Connarus ?juglandifolius* Hooker & Arnott, Bot. Beechey Voy. 179 (1833).
- Rhus succedanea* a. *japonica* Engler in A. & C. De Candolle, Monog. Phaner. 4: 399 (1883).
- Toxicodendron succedaneum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).—Moldenke in Phytologia, 2: 142 (1946) "*T. succedanea*."
- R. Delavayi** Franchet in Bull. Soc. Bot. France, 33: 466 (1886); Pl. Delavay. 148 [1889].
- Toxicodendron Delavayi* Barkley in Am. Midland Nat. 24: 680 (1940).
- R. Delavayi** var. *quinquejuga* Rehder & Wilson in Sargent, Pl. Wilson. 2: 184 (1914).
- R. radicans** Linnaeus, Sp. Pl. 266 (1753).—Fernald in Rhodora, 43: 591, t. 683, fig. 1 (1941).
- Toxicodendron vulgare* Miller, Gard. Dict. ed. 8, T. no. 1 (1768).
- Toxicodendron glabrum* Miller, l. c. T. no. 3 (1768).
- Toxicodendron volubile* Miller, l. c. T. no. 6 (1768).
- Toxicodendron serratum* Miller, l. c. T. no. 7 (1768).
- ?*Rhus radicans* 2. *rectum* Weston, Bot. Univ. 1: 244 (1770).
- ?*Toxicodendron fraxini-folium* W. Young, Cat. Arb. Arbust. Am. 24 (1783), nom.
- Rhus-Toxicodendron radicans* Marshall, Arbust. Am. 131 (1785).
- ?*Rhus-Toxicodendron Toxicodendron* Marshall, l. c. (1785), vix *Rhus T.* Linnaeus (1753).
- Cotinus radicans* Borkhausen in Rhein. Mag. Erweit. Naturk. 1: 592 (1793).
- Rhus scandens* Salisbury, Prodr. Stirp. Chap. Allert. 170 (1796).
- Rhus humile* Salisbury, l. c. (1796).
- Rhus Toxicodendron a. vulgare* Michaux, Fl. Bor.-Am. 183 (1803).—Fernald in Rhodora, 43: 593 (1941).
- Rhus Toxicodendron γ. microcarpa* Michaux, l. c. (1803).
- Philostemon radicans* Rafinesque, Fl. Ludovic. 107 (1817); Autik. Bot. 83 (1840).
- Rhus microcarpum* Steudel, Nomencl. Bot. 689 (1821), pro syn.
- Rhus radicans a. vulgaris* et *β. volubilis* et *γ. microcarpa* De Candolle, Prodr. 2: 69 (1825).
- Rhus bahamensis* G. Don, Gen. Hist. Dichlam. Pl. 2: 72 (1832).
- Toxicodendron magnum* Bertr. [?Bartram] ex Steudel, Nomencl. Bot. ed. 2, 2: 694 (1841); Bertram ex Index Kew. 2: 1092 (1895).
- Rhus Toxicodendron* L. var. "foliis ramulisque molliter pubentibus. Thickets, New Braunfels". Engelm. & Gray in Boston Jour. Nat. Hist. 6: 159 (Pl. Lindheim. II) (1850).
- Rhus Toxicodendron* var. *pubens* Engelm. & Gr. Pl. Lindheim. 159 ex S. Watson, Bibl. Index N. Am. Bot. 1: 184 (1878).
- Rhus pubescens* "Engelm. in Boston Journ. IV, 159" ex Engler in A. & C. de Candolle, Monog. Phaner. 4: 394 (1883), pro syn.\*.—?Farwell in Ann. Rep. Comm. Parks Detroit, 11: 73 (1900).—Non Thunberg [1800], nec Ecklon & Zeyher (1836).
- Rhus acutiloba* Turczaninov in Bull. Soc. Nat. Moscou, 36, 1: 612 (1863).
- Rhus toxicodendron* St.-Lager in Ann. Soc. Bot. Lyon, 7: 133 (1880).
- Rhus Toxicodendron a. vulgaris* a1. *radicans* Engler in A. & C. de Candolle, Monog. Phaner. 4: 394 (1883).—Dippel, Handb. Laubh. 2: 376 (1892) "*R. T. a. r.*"—McNair in Field Mus. Nat. Hist. Pub. Bot. Ser., 4: 68 (1925) "*R. T. f. r.*"
- Rhus Toxicodendron a. vulgaris* a2. *volubilis* Engler, l. c. (1883).
- Rhus tridentatum* sensu Sessé & Mocino, Pl. Nov. Hisp. 47 (1887), non Linnaeus f. (1781), nec Sonder (1860).
- Rhus villosum* sensu Sessé & Mocino, l. c. (1887), non *R. villosa* Linnaeus f. (1781).
- Toxicodendron radicans* Kuntze, Rev. Gen. Pl. 1: 153 (1891).—Barkley in Ann. Missouri Bot. Gard. 24: 425, t. 26, fig. 2 (1937), cum syn. multis.
- Toxicodendron radicans* var. *normale* Kuntze, Rev. Gen. Pl. 1: 154 (1891).

\* This and the two preceding citations are based on a specimen collected by Lindheimer near New Braunfels, Texas. Engelm., in 1850, listed it as "var." followed by a descriptive phrase; Watson, in 1878, called it "var. *pubens*" and credited the name to Engelm.; Engler, in 1883, called it *Rh. pubescens* Engelm., changing the epithet probably by slip of the pen from *pubens* to *pubescens* and cites the name as a synonym under *Rhus Toxicodendron a. vulgaris* a2. *volubilis* DC. (l. c.); Barkley in Ann. Missouri Bot. Gard. 24: 420, 431 (1937) cites the name under *Toxicodendron quercifolia* [Michx.] Robins. & Fern. and Lindheimer's specimen under *Toxicodendron radicans* where it belongs according to the specimen in the Gray Herbarium; Fernald considers it a distinct variety: *Rhus radicans* var. *pubens* (Engelm. ex Wats.) Fernald in Rhodora, 43: 596 (1941).

- Rhus Blodgettii* Kearney in Bull. Torrey Bot. Club, **21**: 486 (1894).
- Toxicodendron Blodgettii* Greene, Leaf. Bot. Obs. **1**: 123 (1905).
- Toxicodendron radicans* var. *microcarpa* et var. *volubile* Farwell in Am. Midland Nat. **12**: 125 (1930).
- Rhus radicans* var. *pubens* (Engelm. ex Wats.) Fernald in Rhodora, **43**: 596 (1941).
- R. radicans** var. *Rydbergii* (Small) Rehder in Jour. Arnold Arb. **20**: 416 (1939).—Fernald in Rhodora, **43**: 594, fig. 2 (1941).
- Rhus Rydbergii* Small in Mem. New York Bot. Gard. **1**: 268 (1900).
- Toxicodendron Rydbergii* Greene, Leaf. Bot. Obs. **1**: 117 (1905).
- Toxicodendron macrocarpum*, *T. coriaceum*, *T. pumilum*, *T. punctatum* Greene op. cit. 117, 120, 124, 125 (1905).
- Rhus Toxicodendron Rydbergii* Garrett, Spring Fl. Watsch Reg. ed. 2, 69 (1911).
- R. Toxicodendron** Linnaeus, Sp. Pl. 266 (1753) "*Toxicodendr.*"; Syst. Nat. ed. 11, **2**: 964 (1760) "*Toxicodendron*"; Sp. Pl. ed. 2, **1**: 382 (1762) "*Toxicodendrum*."—Fernald in Rhodora **43**: 597, t. 685, fig. 1, 2 (1941).
- ?*Toxicodendron pubescens* Miller, Gard. Dict. ed. 8, *T.* no. 2 (1768).
- Cotinus Toxicodendron* Borkhausen in Rhein. Mag. Erweit. Naturk. **1**: 592 (1793).
- Rhus toxicarium* Salisbury, Prodr. Stirp. Chap. Allert. 170 (1796).
- Rhus Toxicodendron* β. *quercifolium* Michaux, Fl. Bor.-Am. **1**: 183 (1803).
- Rhus quercifolia* Steudel, Nomencl. Bot. 689 (1821), pro syn.—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 553 (1908).
- Philostemon toxicodendron* Rafinesque, Autik. Bot. **83** (1840).
- Toxicodendron quercifolium* Greene, Leaf. Bot. Obs. **1**: 127 (1905).—Barkley in Ann. Missouri Bot. Gard. **24**: 421, t. 26, fig. 1 (1937).
- Toxicodendron compactum* Greene, op. cit. 126 (1905).
- Toxicodendron monticola* Greene, l. c. (1905).
- Toxicodendron Toxicodendron* Britton in Britton & Brown, Ill. Fl. N. U. S. Can. ed. 2, **2**: 484, fig. 2783 (1913).
- R. diversiloba** Torrey & Gray, Fl. N. Am. **1**: 218 (1838).—Jepson, Fl. Calif. **2**: 445, fig. 223 (1936), cum syn. plur.
- Rhus lobata* Hooker, Fl. Bor.-Am. **1**: 127 (1830), non Poiret (1804).
- Rhus varielobata* Steudel, Nomencl. Bot. ed. 2, **2**: 452 (1841).
- Rhus Toxicodendron* subsp. *diversiloba* Engler in De Candolle, Monog. Phaner. **4**: 395 (1883).
- Toxicodendron diversilobum* Greene, Leaf. Bot. Obs. **1**: 119 (1905).—Barkley in Ann. Missouri Bot. Gard. **24**: 422 (1937), cum syn. plur.
- R. orientalis** (Greene) Schneider, Ill. Handb. Laubh. **2**: 151, fig. 98h (1907).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 179 (1914).
- Rhus Toxicodendron* var. *radicans* sensu Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. **12**, **2**: 123 (Reis. Amur-L. Sachal.) (1868), non *R. r.* Linnaeus (1753).
- Rhus Toxicodendron* var. *hispida* Engler in Bot. Jahrb. **29**: 433 (1900).
- Toxicodendron orientale* Greene, Leaf. Bot. Obs. **1**: 127 (1905).
- Rhus intermedia* Hayata in Jour. Coll. Sci. Tokyo, **25**, **19**: 73 (Fl. Mont. Formos.) (1908).
- Sect. **LOBADIUM** (Raf.) De Candolle, Prodr. **2**: 72 (1825).
- Turpinia* Rafinesque in Med. Repos. New York, hex. **2**, **5**: 352 (1808), non Ventenat (1803).
- Schmaltzia* Desvaux in Jour. de Bot. (Desvaux) **1**: 229 (1813).—De Candolle, Prodr. **2**: 72 (1825) "*Schmalzia*"; pro syn.—Small, Fl. Southeast. U. S. **728** (1903), p. p.
- Lobadium* Rafinesque in Am. Monthly Mag. **4**: 357 (1819); in Jour. de Phys. Chim. Hist. Nat. **89**: 98 (1819, Aug.).
- Rhus* sect. *Trichocarpae* Engler in Bot. Jahrb. **1**: 397 (1881), p. p.
- Rhus* sect. *Trichocarpa* subsect. *Lobadium* Koehne, Deutsche Dendr. **359** (1893).
- R. aromatica** Aiton, Hort. Kew. **1**: 367 (1789).—Barkley in Ann. Missouri Bot. Gard. **24**: 394, t. 11, fig. d, t. 13, fig. b (1937), cum syn. multis.
- Toxicodendron crenatum* Miller, Gard. Dict. ed. 8, *T.* no. 5 (1768).
- Rhus canadense* Marshall, Arbust. Am. **129** (1785), non Miller (1768).
- Rhus suaveolens* Aiton, Hort. Kew. **1**: 368 (1789).
- Myrica trifoliata* Hort. ex Turpin in Ann. Mus. Hist. Nat. Paris, **5**: 447 (1804), pro syn.; non Linnaeus (1760).
- Betula triphylla* Thunberg (praes.; [resp.] Fant) Diss. Betula, **12**, t. 1, fig. 2 (1807).
- Turpinia glabra*, *T. aromatica*, *T. pubescens*, *T. suaveolens* Rafinesque, Med. Repos. New York, hex. **2**, **5**: 352 (1808).
- Lobadium amentaceum* Rafinesque in Am. Monthly Mag. **4**: 358 (1819).
- Lobadium trifoliatum* Rafinesque, Cat. Bot. Gard. Transylv. Univ. **14** (1824).
- Myrica trifoliolata* Hort. ex De Candolle, Prodr. **2**: 73 (1825), pro syn.
- ?*Lobadium rupestre* Rafinesque, Autik. Bot. **84** (1840).
- ?*Lobadium fetidum* Rafinesque, l. c. (1840).
- Schmaltzia aromatica* Desvaux ex Steudel, Nomencl. Bot. ed. 2, **2**: 451 (1841), pro syn.
- Toxicodendron cuneatum* Miller ex K. Koch, Dendr. **1**: 579 (1869), sphalm. pro "*T. crenatum*".
- Lobadium suaveolens* Rafinesque ex B. D. Jackson in Index Kew. **2**: 102 (1895).
- R. aromatica** var. *serotina* (Greene) Rehder in Jour. Arnold Arb. **20**: 415 (1939).—Fernald in Rhodora, **43**: 602, t. 687, fig. 1–6 (1941).
- Schmaltzia serotina* Greene, Leaf. Bot. Obs. **1**: 131 (1905).
- Schmaltzia lasiocarpa* Greene, op. cit. 141 (1905).
- Rhus canadensis* var. *serotina* Palmer & Steyermark in Ann. Missouri Bot. Gard. **22**: 591 (1935).
- Rhus trilobata* var. *serotina* Barkley in Ann. Missouri Bot. Gard. **24**: 406, t. 10, fig. a, t. 12, fig. c, 13, fig. a (1937).
- R. aromatica** var. *illinoensis* (Greene) Rehder in Jour. Arnold Arb. **20**: 415 (1939).
- Schmaltzia illinoensis* Greene, Leaf. Bot. Obs. **1**: 131 (1905).
- Rhus canadensis* var. *illinoensis* Fernald in Rhodora, **10**: 52 (1908).
- Rhus illinoensis* Ashe in Bull. Torrey Bot. Club, **55**: 465 (1928).

**Rhus** (*continued*)

- R. trilobata** Nuttall ex Torrey & Gray, Fl. N. Am. 1: 219 (1838).—Barkley in Ann. Missouri Bot. Gard. 24: 399 (1937), cum syn. multis.  
*Lobadium trilobatum* Rafinesque, Autik. Bot. 84 (1840).  
*Rhus aromatica* var. *trilobata* Gray in Am. Jour. Sci. ser. 2, 33: 408 (1861).  
*Rhus trilobata* var. *glaberrima* Engler in A. & C. de Candolle, Monog. Phaner. 4: 386 (1883).  
*Toxicodendron trilobatum* Kuntze, Rev. Gen. Pl. 1: 154 (1891).  
*Rhus triphyllum* Mill. var. *trilobatum* f. *glaberrimum* Kuntze, l. c. (1891).  
*Rhus canadensis* var. *trilobata* Gray ex Robinson in Gray, Syn. Fl. N. Am. 1, 1: 386 (1897).  
*Schmaltzia trilobata* Small, Fl. Southeast. U. S. 728, 1334 (1903).  
*Schmaltzia pubescens* Osterhout in Muhlenbergia, 7: 11 (1911).  
*Rhus Osterhoutii* Rydberg, Fl. Rocky Mts. 551, 1064 (1917).

Fam. **CYRILLACEAE**

- CYRILLACEAE Lindley, Veg. Kingd. 445 (1847), p. p.—Gilg in Nat. Pflanzenfam. III. 5: 179, fig. [1892].—Uphof in Nat. Pflanzenfam. ed. 2, 20b: 1 (1942).  
*Cunoniaceae* Horaninov, Prim. Lin. Syst. Nat. 85 (1834), p. p. quoad *Cyrilla*.  
*Ericaceae* subord. *Cyrilleae* Torrey & Gray, Fl. N. Am. 1: 256 (1838), exclud. *Elliotia* Muhlenb.; nom. tentat.  
*Cyrilleae* Endlicher, Gen. Pl. 1413 (1840).—Bentham & Hooker f., Gen. Pl. 2: 1225 (1876).  
*Ilicaceae* ser. *Cyrilleae* [Baillon, Hist. Pl. 11: 216, 218 (1892) "*Ilicacées* sér. *Cyrillées*."]—Uphof in Nat. Pflanzenfam. ed. 2, 20b: 1 (1942), pro syn.

- CYRILLA** Garden ex Linnaeus, Mant. Pl. 1: 5 (1767).—Bentham & Hooker f., Gen. Pl. 2: 1226 (1876).  
*Stachyanthemum* Klotzsch in Schomburgk, Reise Brit. Guiana, 3: 1097 (1848).  
 TYPUS: *C. racemiflora* L.

- C. racemiflora** Linnaeus, Mant. Pl. 1: 5 (1767).—Sargent, Silva N. Am. 2: 3, t. 51 (1891).  
*Andromeda plumata* Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 3 [1785 vel prius], nom.—Bartram's Cat. ex Marshall, Arbust. Am. 9 (1785).  
*Itea* *Cyrilla* L'Héritier, Stirp. Nov. 137, t. 66 [1791].  
*Cyrilla caroliniana* Michaux, Fl. Bor.-Am. 1: 158 (1803).  
*Cyrilla racemosa* Loudon, Arb. Brit. 4: 2577, fig. 2503 (1838).  
*Cyrilla polystachia*, *C. parvifolia*, *C. fuscata* Rafinesque, Autik. Bot. 8 (1840).

- CLIFTONIA** Banks ex Gaertner f., Fruct. Sem. 3: 246, t. 225 (1805).—Bentham & Hooker f., Gen. Pl. 2: 1226 (1876).  
*Mylocaryum* Willdenow, Enum. Pl. Hort. Berol. 454 (1809).  
*Walteriana* Fraser ex Endlicher, Gen. Pl. 1413 (1840); pro syn.; cf. Jour. Bot. 37: 487 (1899).  
 TYPUS: *C. nitida* Gaertn. f. = *C. monophylla* (Lam.) Sarg.

- C. monophylla** (Lam.) Sargent, Silva N. Am. 2: 7, t. 52 (1892).  
*Ptelea monophylla* Lamarck, Tabl. Encycl. Méth. Bot. 1: 336 [1791–6].—Poiret, Encycl. Méth. Bot. 5: 707

- (1804).—Britton in Bull. Torrey Bot. Club, 16: 310 (1889), pro syn.  
*Cliftonia nitida* Gaertn. f., Fruct. Sem. 3: 247, t. 225 (1805).  
*Cliftonia ligustrina* Sprengel, Syst. Veg. 2: 316 (1825).  
*Mylocaryum ligustrinum* Willdenow, Enum. Pl. Hort. Berol. 454 (1809).  
*Walteriana Caroliniensis* [Nuttall in] Fraser's Cat. 1813; repr. in Pittonia, 2: 119 (1890), nom.—Sargent, Silva N. Am. 2: 7 (1892) "*Walteria Carolinensis*," pro syn.

Fam. **AQUIFOLIACEAE**

- AQUIFOLIACEAE [De Candolle, Theor. Elém. Bot. 217 (1813) "Aquifoliacées".—Lindley, Introd. Nat. Syst. Bot. 178 (1830), pro syn.—] A. Richard, Nouv. Elém. ed. 4, 555 (1828).—Bartling, Ord. Nat. Pl. 376 (1830).—A. Richard, Elém. Hist. Nat. Méd. 2: 161 (1831); ed. 3, 3: 409 (1838).—Loesener in Verh. Leop.-Carol. Akad. Naturf. 78: 1–598, 15 t. (1901); 89, 1: 1–313, 3 maps (Monog. Aquifol. I & II) (1908).  
*Frangulaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4, 2: 619 (1805), p. p.  
*Caprifoliaceae* D. *Aquifoliaceae* S. F. Gray, Nat. Arr. Brit. Pl. 491 (1821).  
*Ilicaceae* Dumortier, Comment. Bot. 59 (1822), nom.; Anal. Fam. Pl. 21, 27 (1829).  
*Celastrineae* trib. *Aquifoliaceae* De Candolle, Prodr. 2: 11 (1825), p. p.  
*Ilicineae* Brongniart in Ann. Sci. Nat. 10: 329 (Mém. Fam. Rhamn. 16. 1826). (1827), exclud. gen. nonnull.—Lindley, Introd. Nat. Syst. Bot. 178 (1830), exclud. gen. nonnull.—Bentham & Hooker f., Gen. Pl. 1: 355 (1862).  
*Celastraceae* Horaninov, Prim. Lin. Syst. Nat. 95 (1834), p. p. quoad *Ilex*.  
*Sapotaceae* 2. *Ilicinae* a. *Aquifoliaceae* Reichenbach, Handb. Nat. Pflanzenz. 214 (1837).  
*Celastrineae* subfam. *Ilicineae* Presl, Wseob. Rostlin. 1: 299 (1846).  
*Sapotaceae* trib. *Ilicineae* Horaninov, Char. Ess. Fam. Reg. Veg. 117 (1847).  
*Ilicaceae* Lowe, Man. Fl. Madeira, 2: 11 (1868), nom. altern.—Sprague in Jour. Bot. 60: 73 (1922).  
*Ilicaceae* ser. *Ilicaceae* Baillon, Hist. Pl. 11: 216, 219 (1892) "*Ilicacées* ser. *Ilicaceae*".

- ILEX** Linnaeus, Sp. Pl. 125 (1753); Gen. Pl. ed. 5, 60, no. 158 (1754).—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 29, 3: 14–53, t. 1 (De Coriaria, *Ilice*) (1881).—Loesener in Nov. Act. Acad. Leop.-Carol. 78: 8–500, t. 1–15 (Monog. Aquifol. 1) (1901); 89, 1: 20–313 (Monog. Aquifol. 2) (1908); in Nat. Pflanzenfam. ed. 2, 20b: 53 (1942).  
*Paltoria* Ruiz & Pavon, Prodr. Fl. Peruv. 13 (1790).  
*?Hexotria* Rafinesque in Am. Monthly Mag. 2: 265 (1818), nom. subnud.  
*Chomelia* Vellozo, Fl. Flum. 1: t. 107 (1827), non Jacquin (1760).  
*Byronia* Endlicher in Ann. Wien. Mus. Nat. 1: 184 (1835); Gen. Pl. 1093 (1840).  
*Ageria* Rafinesque, Sylva Tellur. 46 (1838).  
*Ageria* subgen. *Paltoria* Rafinesque, l. c. (1838).  
*Braxylis* Rafinesque, op. cit. 51 (1838).  
*Polystigma* Meissner, Pl. Vasc. Gen. 1: 252 [1839]; Comment. 161 [1839].  
*Leucodermis* Planchon ex Bentham & Hooker f., Gen. Pl. 1: 357 (1862), pro syn.  
 LECTOTYPUS: *I. Aquifolium* L.

Subgen. **I. AQUIFOLIUM** (Gray) Rehder, Man. Cult. Trees Shrubs, 541 (1927).

*Aquifolium* Miller, Gard. Dict. abridg. ed. 4, **1** (1754). — Duhamel, Traité Arb. Arbust. **1**: 62 (1755). — Scopoli, Fl. Carniol. ed. 2, **1**: 116 (1772).

*Labatia* Scopoli, Introd. Hist. Nat. 197 (1777).

*Macucua* J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, **2**: 210, 262 (1791).

*Winterlia* Moench, Meth. Pl. 74 (1794).

*Ilex* § **1. Aquifolium** Gray, Man. Bot. N. U. S. 276 (1848).

*Ilex* sect. *Ilex* Maximowicz in Mém. Acad. Sci. St. Pétersb., sér. 7, **29,3**: 26 (1881).

*Ilex* subgen. *Euxilex* Loesener in Verh. Bot. Ver. Brandenb. **33**(Abh.): 26 (1891); Monog. Aquifol. **1**: 94 (1901).

Sect. **1. AQUIFOLIUM** Maximowicz in Mém. Acad. Sci. St. Pétersb., sér. 7, **29,3**: 26 (1881), sp. nonnull. exclud.

*Othera* Thunberg (praes., resp. Lodin), Nov. Gen. Pl. 56 (1783).

*Hexadica* Loureiro, Fl. Cochinch. 562 (1790).

*Scleroxylon* Willdenow, Enum. Pl. Hort. Berol. 249 (1809), p. p.

*Hierophyllum* Rafinesque, Med. Fl. **2**: 8 (1830).

*Emetila* Rafinesque, Sylva Tellur. 45 (1838).

*Ageria* subgen. *Dahunia* Rafinesque, op. cit. 46 (1838).

*Notholex* Rafinesque, op. cit. 47 (1838).

*Hexadica* Rafinesque, op. cit. 158 (1838).

*Leucoxyllum* E. Meyer in Drège, Zwei Pflanzengeog. Dec. 199 (1843), non Blume (1826), nec Rafinesque (1838).

*Ilex* subgen. *Euxilex* ser. *Aquifolium* Loesener in Verh. Bot. Ver. Brandenb. **33**(Abh.): 26 (1891); Monog. Aquifol. **1**: 227 (1901).

*Melathallus* Pierre, Fl. Forest. Cochinch. in t. 280 (1893), nom.

LECTOTYPUS: *I. Aquifolium* L.

**I. Aquifolium** Linnaeus, Sp. Pl. 125 (1753). — Loesener, Monog. Aquifol. **1**: 248 (1901).

*Aquifolium Ilex* Scopoli, Fl. Carniol. ed. 2, **1**: 116 (1772).

*Ilex Aquifolium* **1. viride** Weston, Engl. Fl. 17 (1775).

*Ilex Aquifolium a. vulgaris* Aiton, Hort. Kew. **1**: 169 (1789).

*Aquifolium spinosum* Lamarck, Fl. Franç. **3**: 652 (1778). — Gaertner, Fruct. Sem. **2**: 72, t. 92 (1791).

*Ilex sempervirens* Salisbury, Prodr. Stirp. Chap. Allert. 70 (1796).

*Ilex vulgaris* S. F. Gray, Nat. Arr. Brit. Pl. **2**: 491 (1821).

*Aquifolium undulatum* Rafinesque, Sylva Tellur. 44 (1838).

*Ilex Aquifolium a. genuina* Du Commun, Taschenb. Schweiz. Bot. 148 (1869). — Rouy & Foucaud, Fl. France, **4**: 156 (1897).

*Aquifolium vulgare* St.-Lager in Ann. Soc. Bot. Lyon, **7**: 128 (1880).

*Ilex Aquifolium* var. *a. occidentalis* f. *a. vulgaris* (Ait.) subf. *typica* Loesener, Monog. Aquifol. **1**: 257 (1901).

**I. Aquifolium** f. *heterophylla* (Ait.) Loesener, op. cit. 268 (1901).

*Ilex Aquifolium* β. *heterophylla* Aiton, Hort. Kew. **1**: 169 (1789).

*Aquifolium heterophyllum* Rafinesque, Sylva Tellur. 44 (1838).

**I. Aquifolium** f. *ferox* (Ait.) Schneider, Ill. Handb. Laubh. **2**: 163, fig. 107m (1907).

*Ilex echinata* Miller, Gard. Dict. ed. 8, *I.* no. 2 (1768). — Weston, Engl. Fl. 17 (1775) "*echinatum*".

*Ilex canadensis* Weston, Bot. Univ. **1**: 136 (1770).

*Ilex Aquifolium e. ferox* Aiton, Hort. Kew. **1**: 169 (1789).

*Ilex ferox* Dumont de Courset, Bot. Cult. ed. 2, **6**: 249 (1811). — Hoffmannsegg, Verz. Pflanzenkult. 68 (1824).

*Ilex Aquifolium* β. *echinatum* De Candolle, Prodr. **2**: 14 (1825). — K. Koch, Hort. Dendr. 208 (1853) "*e. echinata*". — Loesener, Monog. Aquifol. **1**: 268 (1901) "*f. echinata*".

**I. Aquifolium** f. *pendula* [Loud.] Schelle in Beissner et al., Handb. Laubh.-Ben. 287 (1903).

*Ilex Aquifolium* (var.) *pendulum* Loudon, Encycl. Trees Shrubs, 1113 (1842). — Moore in Gard. Chron. ser. 2, **2**: 519 (1874).

*Ilex Aquifolium* f. *vulgaris* subf. β. *pendula* (Moore) Loesener, Monog. Aquifol. **1**: 257 (1901).

**I. Aquifolium** f. *bacciflava* (West.), grad. nov.

*Ilex Aquifolium* 5. *bacciflavum* Weston, Engl. Fl. 17 (1775).

*Ilex Aquifolium* γ. *flava* Sweet, Hort. Brit. 94 (1827).

*Ilex chrysocarpa* Wenderoth in Ind. Sem. Hort. Acad. Marburg. [3] (1828).

*Aquifolium lanceolatum* Rafinesque, Sylva Tellur. 44 (1838).

*Ilex Aquifolium* β. *xanthocarpa* K. Koch, Hort. Dendr. 209 (1853).

*Ilex Aquifolium* f. *vulgaris* subf. *chrysocarpa* Loesener, Monog. Aquifol. **1**: 265 (1901).

*Ilex Aquifolium fructu-luteo* Dallimore, Holly Yew Box, 74 (1908).

*Ilex Aquifolium* **1. citriocarpa** Murr in Allg. Bot. Zeitschr. **18**: 161 (1912).

**I. Aquifolium** var. *chinensis* Loesener, Monog. Aquifol. **1**: 263 (1901).

**I. altaclarensis** (*I. Aquifolium* × *Perado*) [Loud.] Dallimore, Holly Yew Box, 139, t. (1908).

*Ilex Aquifolium* var. *altaclarensis* Loudon, Arb. Brit. **2**: 507 (1838).

*Ilex Aquifolium* β. *macrophylla* Goeppert in Linnaea, **26**: 740 (1853); in Gartenfl. **3**: 318 (1854). — Loesener, Monog. Aquifol. **1**: 25 (1901) "*I. A. var. occidentalis* f. *vulgaris* subf. *η. m.*".

*Ilex Aquifolium* γ. *Shepherdii* Goeppert in Gartenfl. **3**: 318 (1854).

*Ilex Aquifolium* **19. Hodginsii** W. Paul in Proc. Hort. Soc. Lond. **3**: 114 (1863).

*Ilex Aquifolium* **7. camelliaefolia** K. Koch, Dendr. **2,1**: 210 (1872). — "Fisher, Smith" ex Moore in Gard. Chron. ser. 2, **2**: 812, fig. 164b (1874) "*I. A. c.*" — Scharnke in Gartenfl. **55**: 282, t. 1551, fig. 4 (1906) "*f.*" — Dallimore, Holly Yew Box, 79, t. (1908) "*I. A. camelliaefolium*".

*Ilex Wilsoni* Fisher in Jour. Hort. Soc. Lond. **23**(Proc.): cxix (1899), nom. subnud. — Dallimore, Holly Yew Box, 143, t., fig. 4 (1908). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1712 (1913). — Non Loesener (1908).

*Ilex belgica* Dallimore, l. c., t., fig. 2 (1908).

*Ilex Aquifolium belgica* Dallimore, l. c. (1908), pro syn.

*Ilex Hendersoni* Dallimore, op. cit. 140, t., fig. 3 (1908).

*Ilex Aquifolium Hendersoni* Dallimore, l. c. (1908), pro syn.

*Ilex Hodginsii* Dallimore, l. c., t., fig. 2, (1908). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. **7**: 1713 (1913).

*Ilex Aquifolium Hodginsii* Dallimore, l. c. (1908), pro syn.

*Ilex Lawsoniana* Dallimore, op. cit. 141, t., fig. 1 (1908).

*Ilex Aquifolium Lawsoniana* Dallimore, l. c. (1908), pro syn.



***Ilex altaclarensis*** (continued)

- Ilex Lawsoniana variegata* Dallimore, l. c. (1908), pro syn.  
*Ilex Mundyi* Dallimore, op. cit. 142, t., fig. 1 (1908).  
*Ilex nobilis* Dallimore, l. c., t., fig. 1 (1908).  
*Ilex Urquhartii* Dallimore, l. c. (1908), pro syn.  
*Ilex Shepherdii* Dallimore, l. c., t. (opp. p. 136), fig. 7, 8 (1908).  
*Ilex camelliaefolia* (K. Koch) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1714 (1913).  
*Ilex Aquifolium* var. *Wilsoni* Bean, Trees Shrubs Brit. Isl. 1: 645 (1914).  
*Ilex Aquifolium nobilis* Mešák in Gartenschönh. 4: 223, fig. (1923).  
*Ilex altaclarensis typica* T. H. Everett in Gard. Chron. Am. 47: 230 (1943), nom. tentat.  
*Ilex altaclarensis Hodginsii* T. H. Everett, l. c., 2 fig. (1943), nom. tentat.
- I. Kochneana** (*I. Aquifolium* × *latifolia*) Loesener in Mitt. Deutsch. Dendr. Ges. 1919(28): 40 (1919?).  
*Ilex Aquifolium* × *latifolia* Loesener, Monog. Aquifol. 1: 270 (1901).
- I. Beanii** (*I. Aquifolium* × *dipyrena*) Rehder in Jour. Arnold Arb. 3: 212 (1922).  
*Ilex Aquifolium* var. *elliptica* [Nicholson in] Kew Hand-list Trees Shrubs, 1: 57 (1894), nom.  
*Ilex Aquifolium* var. *flammea angustifolia* [ex Nicholson] l. c. (1894), pro syn.  
*Ilex dipyrena elliptica* Dallimore, Holly Yew Box, 124 (1908).  
*Ilex elliptica* Bean, Trees Shrubs Brit. Isl. 1: 647 (1914), non Humboldt, Bonpland, Kunth (1825).
- I. Perado** Aiton, Hort. Kew. 1: 169 (1789).—Loesener, Monog. Aquifol. 1: 244 (1901).  
 ?*Aquifolium planifolium* Rafinesque, Sylva Tellur. 44 (1838).
- I. Perado** var. *platyphylla* (Webb) Loesener, op. cit. 246 (1901).  
*Ilex platyphylla* Webb in Webb & Berthelot, Phytog. Canar. 2: 135, t. 68 [1842].
- I. cornuta** Lindley in Paxton's Fl. Gard. 1: 43, fig. 27 (1850).—Loesener, Monog. Aquifol. 1: 280 (1901).  
*Ilex cornuta* f. *a. typica* Loesener, op. cit. 281 (1901).
- I. cornuta** f. *Burfordii* (De France), grad. nov.  
*Ilex Burfordi* [S. R.] Howell, Descr. Cat. Howell Nurs. 19 (1935) nom., ? an prius.  
*Ilex cornuta Burfordii* De France in Nat. Hort. Mag. 13: 193, fig. (1934).
- I. Pernyi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 221 (Pl. David. 1: 69. 1884) (1883) "*Pernyi*," sed "*I. Pernyi*" in textu.—Loesener, Monog. Aquifol. 1: 278 (1901).
- I. Pernyi** f. *Veitchii* (Veitch), grad. nov.  
*Ilex Veitchii* Veitch, New Hardy Pl. W. China, 4 (1912).  
*Ilex Pernyi* var. *Veitchii* Bean, Trees Shrubs Brit. Isl. 1: 650 (1914).—Rehder in Mitt. Deutsch. Dendr. Ges. 1914(23): 263 [1915].
- I. ciliospinosa** Loesener in Sargent, Pl. Wilson. 1: 78 (1911); in Mitt. Deutsch. Dendr. Ges. 1919(28): 41, t. 2, a, b (1919).  
*Ilex bioritsensis* Hayata var. *ciliospinosa* (Loes.) Comber in Notes Bot. Gard. Edinb. 18: 43 (1933).

- I. dipyrena** Wallich in Roxburgh, Fl. Ind. 1: 473 (1820); Pl. As. Rar. 3: 68, t. 292 (1832).—Loesener, Monog. Aquifol. 1: 277 (1901).
- I. dipyrena** var. *paucispinosa* Loesener, op. cit. 2: 283 (1908).
- I. integra** Thunberg, Fl. Jap. 77 (1784), exclud. nom. jap.—Loesener, Monog. Aquifol. 1: 270 (1901).  
*Othera japonica* Thunberg (praes., resp. Lodin), Nov. Gen. Pl. 56 (1783).—Roth, Bot. Bemerk. Bericht. 147 (1807).  
*Ilex Othera* Sprengel, Syst. Veg. 1: 496 (1826).  
*Ilex asiatica* Sprengel, l. c. (1826).  
*Prinos integra* Hooker & Arnott in Bot. Beechey Voy. 261 [1838?].  
*Ilex integra a. typica* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 29, 3: 41 (1881).  
*Ilex japonica* hort. ex Loesener, Monog. Aquifol. 1: 272 (1901), pro syn.; non Thunberg (1784).
- I. integra** var. *leucoclada* Maximowicz, l. c. (1881) "β".—Loesener, op. cit. 273 (1901).  
*Ilex leucoclada* Makino in Bot. Mag. Tokyo, 19: 148 (1905).
- I. Fargesii** Franchet in Jour. de Bot. 12: 255 (1898).—Loesener, Monog. Aquifol. 1: 239 (1901).—Sealy in Bot. Mag. 164: t. 9670 (1946).
- I. Franchetiana** Loesener in Sargent, Pl. Wilson. 1: 77 (1911).
- I. corallina** Franchet in Bull. Soc. Bot. France, 33: 452 (1886); Pl. Delavay. 127 [1889].—Loesener, Monog. Aquifol. 1: 327 (1901).—Rehder in Jour. Arnold Arb. 14: 241 (1933).  
*Ilex Dunniana* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 458 (1911).
- I. latifolia** Thunberg, Fl. Jap. 79 (1784).—Loesener, Monog. Aquifol. 1: 289 (1901).  
*Ilex macrophylla* Blume, Bijdr. Fl. Nederl. Ind. 1150 (1826).  
*Ilex Tarajo* Hort. Angl. ex Goeppert in Flora, 37: 527 (1854).  
*Ilex terago* [hort.] ex Gard. Chron. 1859: 508, 972 (1859), nom.
- I. rugosa** Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2: 122, t. 3, fig. 1–7 (Reis. Amur-Land.) (1868).—Loesener, Monog. Aquifol. 1: 420 (1901).  
*Ilex crispa* Siebold, Aardr.-Volkenk. Toelicht. Ontdekk. Vries, 156 (1858), nom.
- I. vomitoria** Aiton, Hort. Kew. 1: 170 (1789).—Sargent, Silva N. Am. 1: 111, t. 48 (1891).—Trelease in Gray, Synop. Fl. N. Am. 1, 1: 389 (1897).—Rehder in Jour. Arnold Arb. 3: 212 (1922).  
*Ilex Cassine* β. Linnaeus, Sp. Pl. 125 (1753).  
*Cassine Peragua* Linnaeus, op. cit. 268 (1753), p. p. quoad patria Carolina.  
*Prinos glaber* Linnaeus, Sp. Pl. ed. 2, 1: 471 (1762), p. p. quoad synonyma.  
*Cassine Paragua* Miller, Gard. Dict. ed. 8, C. no. 2 (1768).  
*Cassine caroliniana* Lamarck, Encycl. Méth. Bot. 1: 652 [1785], tantum quoad syn. "Bauh. Pin. 170".  
*Ilex Cassine* Walter, Fl. Carol. 241 (1788), non Linnaeus (1753).  
*Ilex floridana* Lamarck, Tabl. Encycl. Méth. Bot. 1: 356 (1791).—Poiret, Encycl. Méth. Bot. Suppl. 3: 67 (1815).

- Ilex Cassena* Michaux, Fl. Bor.-Am. 2: 229 (1803).  
*Ilex religiosa* Barton, Fl. Virgin. 66 (1812).  
*Hierophyllum Cassine* Rafinesque, Med. Fl. 2: 8 (1830).  
*Ageria Cassena* Rafinesque, Sylva Tellur. 47 (1838).  
*Oreophila myrtifolia* sensu Scheele in F. Roemer, Texas, 432 (1849), non Nuttall (1818).  
*Ilex Peragua* Trelease in Trans. Acad. Sci. St. Louis, 5: 346 (in Contrib. Shaw School Bot. 5) (1889), exclud. syn. *Cassine Peragua* L.  
*Ilex caroliniana* Loesener in Bot. Centralbl. 47: 163 (1891); Monog. Aquifol. 1: 341 (1901), exclud. syn. *Cassine caroliniana* Lam.; non Miller (1768), nec Trelease (1889).
- Sect. 2. LIOPRINUS (Loes.) Rehder, Man. Cult. Trees Shrubs, 343 (1927).  
*Prinos* Linnaeus, Sp. Pl. 330 (1753); Gen. Pl. ed. 5, 153, no. 398 (1754), quoad *P. glaber*.  
*Macoucoua* Aublet, Hist. Pl. Guian. Franç. 1: 88, t. 34 (1775).  
*Ageria* subgen. *Macoucoua* Rafinesque, Sylva Tellur. 46 (1838).  
*Enneptia* Rafinesque, op. cit. 52 (1838).  
*Pileostegia* Turczaninov in Bull. Soc. Nat. Moscou, 32, 1: 276 (1859), non Hooker f. & Thomson (1858).  
*Pseudehretia* Turczaninov in op. cit. 36, 1: 607 (1863).  
*Ilex* sect. *Ilex* Maximowicz in Mém. Acad. Sci. St. Pétersb., sér. 7, 29, 3: 20, 28 (1881), p. p.  
*Ilex* sect. *Paltoria* Maximowicz, op. cit. 20 (1881).—Loesener, Monog. Aquifol. 1: 166 (1901) "subgen. *Eullex* ser. P."  
*Ilex* subgen. *Eullex* ser. *Lioprinus* Loesener, op. cit. 94 (1901).
- I. opaca** Aiton, Hort. Kew. 1: 169 (1789).—Sargent, Silva N. Am. 1: 107, t. 45 (1891).—Loesener, Monog. Aquifol. 1: 151 (1901).  
*Ilex Aquifolium* sensu Marshall, Arbust. Am. 63 (1784), non Linnaeus (1753).  
*Ilex laxiflora* Lamarck, Encycl. Méth. Bot. 3: 147 (1789); Tabl. Encycl. Méth. Bot. 1: 355 (1791).  
*Ilex Americana* Lamarck in Jour. Hist. Nat. Paris, 1: 416 (1792).  
*Ilex quercifolia* Meerburg, Pl. Select. Icon. p. [2], t. 5 (1798).  
*Ageria opaca* Rafinesque, Sylva Tellur. 47 (1838).  
*Ilex opaca* β. *laxiflora* Nuttall, Gen. N. Am. Pl. 1: 109 (1818), *I. l.* Lamarck est pl. masc.
- I. opaca** f. *subintegra* Weatherby in Rhodora, 23: 119 (1921).—Rehder, Man. Cult. Trees Shrubs, 543 (1927) "var."
- I. opaca** f. *xanthocarpa* Rehder in Mitt. Deutsch. Dendr. Ges. 1907(16): 73 [1908]; in Repert. Sp. Nov. Reg. Veg. 7: 360 (1909).—Bean, Trees Shrubs Brit. Isl. 1: 649 (1914) "var."  
*Ilex Aquifolium baccis flavis* Walter, Fl. Carol. 211 (1788).  
*Ilex laxiflora* Pursh, Fl. Am. Sept. 1: 117 (1814).—De Candolle, Prodr. 2: 14 (1825), p. p. quoad syn. Walter; non Lamarck (1789).  
*Ilex (opaca) laxiflora* Loudon, Arb. Brit. 2: 517 (1838), p. p. quoad syn. Walter; non Lamarck (1789).  
*Ilex opaca* "yellow-fruited form" Hervey in Rhodora, 3: 58 (1901).
- I. attenuata** (*I. Cassine* × *opaca*) Ashe in Jour. Elisha Mitchell Sci. Soc. 40: 44 (1924).  
*Ilex Topeli* Fraser Nurs. (Alab.), Wholesale Price List, 24 (1937), nom. subnud.; an prius?
- I. pedunculosa** Miquel in Versl. Meded. Afdel. Natuurk. Akad. Wetensch. Amsterdam, ser. 2, 2: 83 (Verwant. Fl. Jap. 19. 1866) (1868); in Ann. Mus. Bot. Lugd.-Bat. 3: 106 (Prol. Fl. Jap. 270) (1867).—Loesener, Monog. Aquifol. 1: 108 (1901).  
*Ilex pedunculosa* f. *a. genuina* Loesener, op. cit. 110 (1901).  
*Ilex fujisanensis* Sakata in Nat. Nurseryman, 34: 127, fig. (1926).
- I. pedunculosa** var. *continentalis* (Loes.) Bean, Trees Shrubs Brit. Isl. 1: 649 (1914).—Rehder in Jour. Arnold Arb. 14: 240 (1933).  
*Ilex pedunculosa* f. *β. continentalis* Loesener, Monog. Aquifol. 1: 110 (1901).  
*Ilex purpurea* var. *δ. Leveilleana* Loesener in Léveillé, Fl. Kouy-Tchéou, 201 (1914).
- I. rotunda** Thunberg, Fl. Jap. 77 (1784).—Loesener, Monog. Aquifol. 1: 106 (1901).  
*Ilex microcarpa* Lindley in Paxton's Flow. Gard. 1: 43, fig. 28 (1850).  
*Ilex laevigata* Blume ex Miquel, Cat. Mus. Bot. Lugd.-Bat. 167 (1870), pro syn.  
*Ilex Siroki* Siebold ex Pritzl, Icon. Bot. Ind. 2: 155 (1866), nom.—Cleyer ex K. Koch, Dendr. 2, 1: 221 (1872), pro syn.
- I. venulosa** Hooker f., Fl. Brit. Ind. 1: 602 (1875).—Loesener, Monog. Aquifol. 1: 89 (1901).
- I. Cassine** Linnaeus, Sp. Pl. 125 (1753).—Sargent, Silva N. Am. 1: 109, t. 46 (1891).—Loesener, Monog. Aquifol. 1: 142 (1901).  
*Ilex caroliniana* Miller, Gard. Dict. ed. 8, I. no. 3 (1768).  
*Cassine d'ahoon* W. Young, Cat. Arb. Arbust. Am. 50 (1783), nom.  
*Ilex Dahoon* Walter, Fl. Carol. 241 (1788).—Trelease in Trans. Acad. Sci. St. Louis, 5: 345 (in Contrib. Shaw School Bot. 5) (1889).  
*Ilex Cassine a. latifolia* Aiton, Hort. Kew. 1: 172 (1789), excl. β.—Loesener, Monog. Aquifol. 1: 144 (1901).  
*Winterlia triflora* Moench, Meth. Pl. 74 (1794), p. p.  
*Ilex angustifolia* Salisbury, Prodr. Stirp. Chap. Allert. 70 (1796).  
*?Ilex chinensis* Sims in Bot. Mag. 46: t. 2043 (1819).—De Candolle, Prodr. 2: 14 (1825).  
*Ilex laurifolia* Nuttall in Am. Jour. Sci. 5: 289 (1822).  
*Ilex dakoon* Eaton, Man. Bot. ed. 6, 186 (1833); ed. 8, 283 (1840), sphalm.—Merrill & Reeder in Barton, 24: 63 (1947), pro syn.  
*Ageria palustris* Rafinesque, Sylva Tellur. 47 (1838).  
*Ageria obovata* Rafinesque, op. cit. 48 (1838).  
*Ageria heterophylla* Rafinesque, op. cit. 48 (1838).  
*Prinos cassinoides* Hort. ex Steudel, Nomencl. Bot. ed. 2, 2: 396 (1841), nom.—Hort. ex Loesener in Mitt. Deutsch. Dendr. Ges. 1919(28): 14 (1919), pro syn.  
*Ilex bresciaefolia* Hort. Houtt. ex Goeppert in Flora, 37: 512 (1854), nom. subnud.  
*Ilex lanceolata* Grisebach, Cat. Pl. Cub. 56 (1866), non Klotzsch (1848), nec Chapman (1860).  
*Ilex phillyreifolia* Hort. ex Dippel, Handb. Laubh. 2: 506 (1892), pro syn.  
*Ilex castaneifolia* Hort. ex Loesener, Monog. Aquifol. 1: 145 (1901), pro syn.  
*Ilex ligustrifolia* Hort. ex Loesener, l. c. (1901), pro syn.
- I. yunnanensis** Franchet, Pl. Delavay. 128 [1889].—Loesener, Monog. Aquifol. 1: 131 (1901).
- I. yunnanensis** var. *gentilis* (Loes.) Rehder, Man. Cult. Trees Shrubs, 544 (1927).

***Ilex yunnanensis* var. *gentilis*** (continued)

*Ilex yunnanensis* f. *gentilis* Loesener, Monog. Aquifol. 132 (1901).

*Ilex gentilis* Franchet ex Loesener, l. c. (1901), pro syn.

**I. *Sugeroi*** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 29, 3: 22, 35, t. 1, fig. 7 (1881).—Loesener, Monog. Aquifol. 1: 133 (1901) "*Sugeroi*".

*Ilex Sugeroi* f. *brevipedunculata* Maximowicz in op. cit. 36 (1881).

**I. *Sugeroi* f. *longepedunculata*** Maximowicz, l. c. (1881).

*Ilex Sugeroi* var. *longipedicellata* Koidzumi in Bot. Mag. Tokyo, 30: 326 (1916).

*Ilex longepedunculata* Koidzumi in op. cit. 39: 12 (1925).

**I. *purpurea*** Hasskarl, Cat. Pl. Hort. Bogor. 230 (1844).—Loesener, Monog. Aquifol. 1: 111 (1901).—Rehder in Jour. Arnold Arb. 14: 239 (1933).

*Ilex Oldhami* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 105 (Prol. Fl. Jap. 269) (1867).

*Ilex lucida* Blume mss. ex Miquel, Cat. Mus. Bot. Lugd.-Bat. 167 (1870), pro syn.

*Ilex purpurea* var. *a. Oldhami* Loesener, Monog. Aquifol. 1: 112 (1901).

*Callicarpa Cavalierii* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 455 (1911).

*Embelia rubro-violacea* Léveillé in op. cit. 10: 375 (1912).

*Celastrus Bodinieri* Léveillé in op. cit. 13: 263 (1914).

**I. *micrococca*** Maximowicz Mém. Acad. Sci. St. Pétersb. sér. 7, 29, 3: 39, t. 1, fig. 6 (1881).—Loesener, Monog. Aquifol. 1: 91 (1901).

*Ilex pseudo-Godojam* Franchet in Jour. de Bot. 12: 256 (1898).

**I. *glabra*** (L.) Gray, Man. Bot. N. U. S. ed. 2, 264 (1856).—Loesener, Monog. Aquifol. 1: 139 (1901).

*Prinos glaber* Linnaeus, Sp. Pl. 330 (1753), exclud. syn.—Gray, Man. Bot. N. U. S. 277 (1848).

*Winterlia triflora* Moench, Meth. Pl. 74 (1794), p. p.

*Ilex angustifolia* var. *β. ligustrifolia* De Candolle, Prodr. 2: 14 (1825), p. p.

*Enneptia myricoides* Rafinesque, Sylva Tellur. 52 (1838).

*Winterlia glabra* Moench ex K. Koch, Hort. Dendr. 211 (1853); Dendr. 2, 1: 225 (1872), forsan errore pro *W. triflora*; pro syn. (cf. Rehder in Jour. Arnold Arb. 3: 213, in nota).

**I. *szechwanensis*** Loesener, Monog. Aquifol. 1: 347 (1901); in Mitt. Deutsch. Dendr. Ges. 1919(28): 48, t. 2, fig. c, d (1919).**I. *crenata*** Thunberg, Fl. Jap. 78 (1784).—Loesener, Monog. Aquifol. 1: 199 (1901).

*Celastrus adenophylla* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 85 (Prol. Fl. Jap. 17) (1865); in op. cit. 3: 104 (268) (1867).

*Ilex crenata* var. *typica* f. *a. genuina* Loesener, Monog. Aquifol. 1: 201, t. 5, fig. 2 (1901).

**I. *crenata* f. *latifolia*** (Goldr.), grad. nov.

*Ilex Fortunei* hort. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 104 (Prol. Fl. Jap. 268) (1867), pro syn.; non Lindley (1857).

*Ilex elliptica* Siebold ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 104 (Prol. Fl. Jap. 268) (1867), pro syn.; non Humboldt, Bonpland, Kunth (1825).

*Ilex crenata latifolia* [Goldring] in Garden, 31: 129 (1887).

*Ilex crenata* var. *major* [Nicholson] in Kew Hand-list Trees Shrubs, 1: 61 (1894), nom.

?*Ilex crenata* var. *rotundifolia* Maximowicz ex Matsu-mura, Shokubutsu mei-i, 149 (1895), nom.

**I. *crenata* f. *convexa*** (Makino), grad. nov.

*Ilex crenata* var. *convexa* Makino in Jour. Jap. Bot. 5: 27 (1928).

*Ilex crenata* f. *bullata* Rehder in Jour. Arnold Arb. 12: 73 (1931).

**I. *crenata* f. *luteo-variegata*** (Regel) Rehder in Mitt. Deutsch. Dendr. Ges. 1908(17): 161 (1908).

*Ilex crenata luteo-variegata* Regel in Gartenfl. 13: 39 (1864).

*Ilex crenata* var. *aureo-variegata* [Goldring] in Garden, 31: 129 (1887).

*Ilex crenata* var. *variegata* [Nicholson] in Kew Hand-list Trees Shrubs, 1: 61 (1894), nom.—Rehder in Mitt. Deutsch. Dendr. Ges. 1908(17): 161 (1908) "f.".—Bean, Trees Shrubs Brit. Isl. 1: 646 (1914).

*Ilex Fortunei* f. *aureo-variegata* [hort. ex] Schelle in Beissner et al., Handb. Laubh.-Ben. 291 (1903), nom. altern.

**I. *crenata* f. *longifolia*** [Goldr.] Rehder in Mitt. Deutsch. Dendr. Ges. 1908(17): 161 (1908).

*Ilex crenata longifolia* [Goldring] in Garden, 31: 129 (1887).

**I. *crenata* f. *microphylla*** Rehder in Mitt. Deutsch. Dendr. Ges. 1908(17): 160 (1908).

*Ilex crenata* var. *microphylla* Maximowicz ex Matsumura, Shokubutsu Mei-i, 149 (1895), nom.—Rehder in Bailey, Stand. Cycl. Hort. 3: 1640 (1915).

**I. *crenata* f. *Helleri*** Rehder in Jour. Arnold Arb. 20: 417 (1939).

*Ilex Helleri* Verkade's Nurseries [Cat. 1936]: 13 (1936).—Craig, Descr. Price-list, 1937: 31 (1937).

*Ilex crenata Helleri* Fleming, F. & F. Nurseries, 1937: 17 (1937), nom.—L. C. C[hadwick] in Am. Nurseryman, 79, 1: 21, fig. (cover) (1944).

**I. *crenata* var. *nummularia*** (Franch. & Sav.) Yatabe in Bot. Mag. Tokyo, 6: 157 (1892).

*Ilex nummularia* Franchet & Savatier, Enum. Pl. Jap. 2: 311 [1878?].

*Ilex crenata* var. *Mariesii* [Bean in] Kew Hand-list Trees Shrubs, ed. 2, 89 (1902), nom.—Dallimore, Holly Yew Box, 122 (1908).

*Ilex Mariesii* Veitch ex Bean, Trees Shrubs Brit. Isl. 1: 646 (1914), pro syn.

**Subgen. II. PRINOS** Loesener in Verh. Bot. Ver. Brandenb. 33: 26 (1891); in Nat. Pflanzenfam. Nachtr. [1]: 221 (1897); Monog. Aquifol. 1: 465 (1901) "*Prinos*".

*Prinos* Linnaeus, Sp. Pl. 330 (1753), exclud. *P. glaber*; Gen. Pl. ed. 5, 153, no. 398 (1754).

*Ageria* Adanson, Fam. Nat. Pl. 2: 166 (1763), p. p.

*Ilex* sect. *Prinos* Maximowicz in Mém. Acad. Sci. St. Pétersb., sér. 7, 29, 3: 30 (1881).

**Sect. 1. EUPRINOS** Loesener in Nat. Pflanzenfam. Nachtr. [1]: 221 (1897); Monog. Aquifol. 1: 465 (1901) "*Euprinus*".

*Arinemia* Rafinesque, Sylva Tellur. 49 (1838).

*Prinos* sect. *Ageria* De Candolle, Prodr. 2: 17 (1825).

*Ilex* sect. *Prinos* Gray, Man. Bot. N. U. S. ed. 2, 264 (1856).

- I. geniculata** Maximowicz in Mém. Acad. Sci. St. Pétersb., sér. 7, **29**: 30, 50, t. 1, fig. 10 (1881).—Loesener, Monog. Aquifol. **1**: 466 (1901).
- I. serrata** Thunberg, Fl. Jap. 78 (1784).—Loesener, Monog. Aquifol. **1**: 467 (1901).—Rehder in Sargent, Trees & Shrubs, **1**: 29, t. 15 (1902).  
*Ilex Sieboldii* Miquel in Versl. Meded. Afdel. Natuurk. Akad. Wetensch. Amsterdam, ser. 2, **2**: 84 (Verwant. Fl. Jap. 20. 1866) (1868); in Ann. Mus. Bot. Lugd.-Bat. **3**: 104 (Prol. Fl. Jap. 268) (1867).  
*Ilex serrata* var. *Sieboldii* Rehder in Bailey, Cycl. Am. Hort. [2:] 798 (1900).—Loesener, Monog. Aquifol. **1**: 468 (1901) "*Sieboldii*".
- I. serrata** f. *xanthocarpa* (Rehd.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 223 [1916].  
*Ilex Sieboldii fructu luteo* Vilmoren & Bois, Frutic. Vilmoren. 32 (1904), nom.—Beissner in Mitt. Deutsch. Dendr. Ges. **1908**(17): 137 (1908).  
*Ilex serrata* var. *xanthocarpa* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. **3**: 1641 (1915).
- I. serrata** f. *leucocarpa* Beissner, l. c. (1908).—Bean, Trees Shrubs Brit. Isl. **1**: 651 (1914) "var.".—Makino in Jour. Jap. Bot. **3**: 15 (1926) "var. *Sieboldii* f. l."
- I. serrata** var. *argutidens* (Miq.) Rehder in Bailey, Cycl. Am. Hort. [2:] 798 (1900).—Loesener, Monog. Aquifol. **1**: 468 (1901).  
*Ilex argutidens* Miquel in Versl. Meded. Afdel. Natuurk. Akad. Wetensch. Amsterdam, ser. 2, **2**: 84 (Varwant. Fl. Jap. 20. 1866) (1868); in Ann. Mus. Bot. Lugd.-Bat. **3**: 104 (Prol. Fl. Jap. 268) (1867).
- I. verticillata** (L.) Gray, Man. Bot. N. U. S. ed. 2, 264 (1856).—Loesener, Monog. Aquifol. **1**: 469 (1901).  
*Prinos verticillatus* Linnaeus, Sp. Pl. 330 (1753).—Gray, Man. Bot. N. U. S. 276 (1848).  
*Prinos confertus* Moench, Meth. Pl. 481 (1794).  
*Prinos Gronovii* Michaux, Fl. Bor.-Am. **2**: 236 (1803).  
*Ilex Canadensis* Muhlenberg, Cat. Pl. Am. Sept. **18** (1813), nom.; non Weston (1770), nec Michaux (1803).  
*Ilex prunifolia* Muhlenberg, l. c. (1813), pro syn.  
? *Prinos prunifolia* Desfontaines, Tabl. Écol. Bot. Mus. Hist. Nat. ed. 2, 272 (1815), nom.  
*Prinos ambiguus* Watson, Dendr. Brit. **1**: t. 29 (1825), non Michaux (1803), nec Pursh (1814), nec Nuttall (1818).
- I. verticillata** f. *chrysocarpa* Robinson in Rhodora, **2**: 106 (1900).—Bean, Trees Shrubs Brit. Isl. **1**: 651 (1914) "var.".
- I. verticillata** f. *aurantiaca* (Moldenke), grad. nov.  
*Ilex verticillata* var. *aurantiaca* Moldenke in Rev. Sudam. Bot. **6**: 29 (1939).
- I. verticillata** var. *tenuifolia* (Torr.) S. Watson, Bibliog. Index N. Am. Bot. 160 (1878).—Trelease in Gray, Syn. Fl. N. Am. **1**: 391 (1897).  
*Prinos verticillatus* β. *tenuifolia* Torrey, Fl. N. Middle Sect. U. S. 338 (1824).  
*Ilex verticillata* f. *a. tenuifolia* Loesener, Monog. Aquifol. **1**: 472 (1901).  
*Ilex bronxensis* Britton, Man. Fl. N. St. Can. 604 (1901).
- I. verticillata** var. *padifolia* (Willd.) Torrey & Gray ex S. Watson, Bibliog. Index N. Am. Bot. 160 (1878).—Trelease in Gray, Syn. Fl. N. Am. **1**: 391 (1897).—Robinson in Rhodora, **2**: 106 (1900).
- Prinos padifolius* Willdenow, Enum. Pl. Hort. Bot. Berol. 394 (1809).  
*Ilex verticillata* f. β. *padifolia* Loesener, Monog. Aquifol. **1**: 472 (1901).
- I. verticillata** var. *fastigiata* (Bickn.) Fernald in Rhodora, **23**: 274 (1922).  
*Ilex fastigiata* Bicknell in Bull. Torrey Bot. Club, **39**: 426 (1912).
- I. verticillata** var. *cyclophylla* Robinson in Rhodora, **2**: 105 (1900).  
*Ilex verticillata* var. *padifolia* sensu Britton in Bull. Torrey Bot. Club, **17**: 340 (1890), non Willdenow (1809).
- I. laevigata** [Dum. de Cours.] Gray, Man. Bot. N. U. S. ed. 2, 264 (1856).—Loesener, Monog. Aquifol. **1**: 473 (1901).  
*Prinos laevigatus* Dumont de Courset, Bot. Cult. ed. 2, **6**: 255 (1811).—Pursh, Fl. Am. Sept. **1**: 220 (1814).  
*Prinos nitida* Hort. ex K. Koch, Dendr. **2**: 227 (1872), pro syn.
- I. laevigata** f. *Herveyi* Robinson in Rhodora, **10**: 34 (1908).—Bean, Trees Shrubs Brit. Isl. **1**: 648 (1914) "var."
- Sect. 2. PRINOIDES (DC.) Gray, Man. Bot. N. U. S., ed. 2, 264 (1856).—Loesener in Nat. Pflanzenfam. Nachtr. [1]: 221 (1897) "subgen. *Prinos* sect. *Prinoides*".  
*Prinos* sect. *Prinoides* De Candolle, Prodr. **2**: 16 (1825).  
*Synstima* Rafinesque, Sylva Tellur. 48 (1838).  
*Prinodia* Grisebach in Abh. Ges. Wiss. Goetting. **7**: 224 (Syst. Untersuch. Veg. Karaib. 76) (1857), in textu.
- I. Amelanchier** M. A. Curtis ex Chapman, Fl. South. St. 270 (1865).—Sargent in Gard. & For. **2**: 40, fig. 88 (1889).—Loesener, Monog. Aquifol. **1**: 488 (1901).—Little in Jour. Washington Acad. Sci. **33**: 131 (1943).  
*Prinos ambiguus* sensu Pursh, Fl. Am. Sept. **1**: 220 (1814), non Michaux (1803).  
*Prinos verticillatus* β. *dubius* De Candolle, Prodr. **2**: 17 (1825).  
*Prinos verticillatus* sensu Watson, Dendr. Brit. **1**: t. 30 (1825), non Linnaeus (1753).  
*Prinos dubius* G. Don, Gen. Hist. Dichlam. Pl. **2**: 20 (1832).  
*Ilex dubia* (G. Don) Britton, Sterns & Poggenburg, Prelim. Cat. Anthoph. Pteridoph. New York, **11** (1888), p. p.—Fernald in Rhodora, **41**: 428, t. 559 (1939).—Non Weber (1851), pl. fossil.  
*Prinos corymbosus* herb. Barton ex Sargent, l. c. (1889), pro syn.—Fernald in Rhodora, **41**: 428 (1939), pro syn.
- I. longipes** Chapman ex Trelease in Trans. Acad. Sci. St. Louis, **5**: 346 (1889).—Loesener, Monog. Aquifol. **1**: 478 (1901).  
*Nemopanthes canadensis* sensu Gattinger, Tennessee Fl. 31 (1887), non De Candolle (1821).
- I. decidua** Walter, Fl. Carol. 241 (1788).—Sargent, Silva N. Am. **1**: 113, t. 49 (1891).—Loesener, Monog. Aquifol. **1**: 480 (1901).  
*Ilex prinoides* Aiton, Hort. Kew. **1**: 169 (1789).  
*Ilex aestivalis* Lamarck, Encycl. Méth. Bot. **3**: 147 (1789).  
*Ilex tenuifolia* Salisbury, Prodr. Stirp. Chap. Allert. **70** (1796).  
*Ilex Prionitis* Willdenow, Enum. Pl. Hort. Berol. Suppl. **8** (1813).

***Ilex decidua* (continued)**

*Prinos ambiguus* Elliott, Sketch Bot. S. Carol. 2: 705 (1824), non Michaux (1803).

*Prinos deciduus* De Candolle, Prodr. 2: 17 (1825).

?*Bumelia crenulata* Sprengel, Syst. Veg. 1: 665 (1825).

***I. montana* Torrey & Gray ex Gray, Man. Bot. N. U. S. 276 (1848).—Fernald in Rhodora, 41: 428 (1939).**

*Ilex ambigua* sensu Torrey, Fl. New York, 2: 2 (1843), non *Prinos ambiguus* Michaux (1803).

*Prinos ambiguus* sensu Wood, Class-book Bot. 2: 243 (1845), non Michaux (1803).

*Ilex monticola* Gray, Man. Bot. N. U. S. ed. 2, 264 (1856).—Sargent, Silva N. Am. 1: 115, t. 50 (1891).

*Ilex amelanchier* *β. monticola* Wood, Am. Bot. Florist, 208 (1870).

*Ilex dubia* Trelease ex Loesener in Koehne, Deutsche Dendr. 371 (1893), exclud. basonym.; non Weber (1851), nec Britton, Sterns & Poggenburg (1888).

*Ilex dubia* var. *monticola* Loesener, Monog. Aquifol. 1: 485 (1901).

*Ilex dubia* var. *monticola* f. *a. genuina* Loesener, op. cit. 486 (1901).

***I. montana* var. *mollis* (Gray) Britton in Bull. Torrey Bot. Club, 17: 313 (1890).**

*Ilex mollis* Gray, Man. Bot. N. U. S. ed. 5, 306 (1867), exclud. syn.

*Ilex dubia* Trelease ex Loesener in Koehne, Deutsche Dendr. 371 (1893), p. p.; non Weber (1851), nec Britton, Sterns & Poggenburg (1888).

*Ilex monticola mollis* Britton in Mem. Torrey Bot. Club, 5: 217 (1894).

*Ilex dubia* var. *mollis* Loesener, Monog. Aquifol. 1: 486 (1901).

*Ilex dubia* var. *mollis* f. *a. Grayana* Loesener, op. cit. 487 (1901).

***I. montana* var. *Beadlei* (Ashe) Fernald in Rhodora, 41: 428 (1939).**

*Ilex Beadlei* Ashe in Bot. Gaz. 24: 377 (1897), nom. subnud.—Kearney in Bull. Torrey Bot. Club, 24: 569 (1897).

*Ilex dubia* var. *mollis* f. *β. Beadlei* Loesener, Monog. Aquifol. 1: 487 (1901).

*Ilex dubia* var. *Beadlei* Rehder, Man. Cult. Trees Shrubs, 546 (1927).

***I. montana* var. *macropoda* (Miq.) Fernald in Rhodora, 41: 428 (1939).**

*Ilex macropoda* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 105 (Prol. Fl. Jap. 269) (1867).

*Ilex (costata?)* Miquel, Cat. Mus. Bot. Lugd.-Bat. 167 (1870), nom.—Loesener, Monog. Aquifol. 1: 487 (1901) "*I. costata* Blume mss.", pro syn.

*Ilex dubia* var. *macropoda* Loesener, Monog. Aquifol. 1: 487 (1901).

*Ilex monticola* var. *macropoda* Rehder in Bailey, Stand. Cycl. Hort. 3: 1640 (1915); in Mitt. Deutsch. Dendr. Ges. 1915(24): 223 [1916].

***I. macrocarpa* Oliver in Hooker's Icon. Pl. 18: t. 1787 (1888).—Loesener, Monog. Aquifol. 1: 489 (1901).—Rehder in Jour. Arnold Arb. 14: 242 (1933).**

*Ilex macrocarpa* var. *genuina* Loesener, op. cit. 491 (1901). *Celastrus salicifolia* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 263 (1914).

*Diospyros Bodinieri* Léveillé, Fl. Kouy-Tchéou, 144 (1914).

**NEMOPANTHUS** Rafinesque in Am. Monthly Mag. 2: 176 (1816), nom. subnud.; 4: 357 (1819, March).—Loesener, Monog. Aquifol. 1: 500 (1901).—Nom. CONSERV. cf. Règl. Intern. Nomencl. Bot. 85, no. 4615 (1906).

*Vaccinium* Linnaeus, Sp. Pl. 350 (1753), p. p.

*Illicioides* Dumont de Courset, Bot. Cult. 4: 127, t. 4 (1802).

*Nemopanthus* Rafinesque in Jour. de Phys. Chim. Hist. Nat. 89: 96 (1819, Aug.).—De Candolle, Prodr. 2: 17 (1825).

*Nuttallia* De Candolle in Mém. Soc. Phys. Hist. Nat. Genève, 1,2: 450 (Rapport Pl. Rar. Jard. Genève) (1822), pro syn.; Notices Pl. Rar. Jard. Genève [1]: 20 (1823), pro syn.; non Rafinesque (1818), nec Sprengel (1821).

*Deweya* Eaton, Man. Bot. N. Stat., ed. 6, 234 (1833), pro syn.—Merrill & Reeder in Bartonica, 24: 26 (1947), pro syn.

*Illiciodes* Kuntze, Rev. Gen. Pl. 1: 113 (1891).

Typus: *Nemopanthus fascicularis* Raf. = *N. mucronatus* (L.) Trel.

***N. mucronatus* (L.) Trelease in Trans. Acad. Sci. St. Louis, 5: 349 (in Contrib. Shaw School Bot. no. 5. 1889) (1892), nom. provis.—Loesener, Monog. Aquifol. 1: 501, t. 14, fig. 2, 3 (1901).**

*Vaccinium mucronatum* Linnaeus, Sp. Pl. 350 (1753).

*Ilex Canadensis* Michaux, Fl. Bor.-Am. 2: 229, t. (1803), non Weston (1770).

*Ilex delicatula* Barton, Fl. Virgin. 67 (1812).

*Ilex prunifolia* Muhlenberg, Cat. Pl. Am. Sept. 18 (1813), pro syn.

*Prinos ambiguus* sensu Nuttall, Gen. N. Am. Pl. 1: 213 (1818), non Michaux (1803).

*Nemopanthus fascicularis* Rafinesque in Am. Monthly Mag. 4: 357 (1819).

*Nemopanthus fascicularis* Rafinesque in Jour. de Phys. Chim. Hist. Nat. 89: 96 (1819, Aug.); Sylv. Tellur. 51 (1838).

*Nemopanthus Canadensis* De Candolle in Mém. Soc. Phys. Hist. Nat. Genève, 1,2: 450 (Rapp. Pl. Rar. Jard. Genève (1822): Notices Pl. Rar. Jard. Genève, [1]: 20 (1823); (Pl. Rar. Jard. Genève 8, t. 3 (1829).—Rafinesque, Sylv. Tellur. 51 (1838).

*Nuttallia canadensis* "DC. rapp. jard. Gen. 1821. p. 44" ex De Candolle, Pl. Rar. Jard. Genève, 8 (1829), pro syn. \*)

*Prinos integrifolia* Elliott, Sketch Bot. S. Carol. 2: 706 (1824).

*Prinos canadensis* Loddiges, Cat. 1823 ex Roemer & Schultes, Syst. Veg. 7,1: 62 (1829), nom.

*Deweya canadensis* Eaton, Man. Bot. N. Stat. ed. 6, 234 (1833), pro syn.—Merrill & Reeder in Bartonica, 24: 26 (1947), pro syn.

*Prinos lucidus* [hort.] ex Loudon, Arb. Brit. 2: 503 (1838), pro syn.; non Aiton (1789).

*Prinos longipes* Rafinesque, Sylv. Tellur. 50 (1838).

*Nemopanthus lucida* K. Koch, Dendr. 2,1: 229 (1872), non *Prinos lucidus* Aiton (1789).

\*) The citation of *Nuttallia canadensis* as having been published in 1821 is apparently a mistake. In his description of *Nemopanthus* with the new combination *N. canadensis* (l. c.) De Candolle states that the plant flowered in April, 1819, and that he had a drawing made under the name of *Nuttallia*. No report, however, was published in the first part of the Mémoires issued in 1821. The first description is the one published in the second part of the Mémoires issued in 1822 as stated above. This report and the following reports, the later ones partly by Alphonse de Candolle, were reprinted under the title: Notices sur les plantes rares et nouvelles. . . . The drawing made by Ampsach in 1821 was not published until 1829 (with twenty-three other drawings by Heyland) in the work cited above where the combination *Nuttallia* [sic] *canadensis* appears as a synonym.

*Iliciodes canadense* Kuntze, Rev. Gen. Pl. 1: 113 (1891).  
*Ilicioides mucronata* Britton in Mem. Torrey Bot. Club, 5: 217 (1894).

**N. mucronatus** f. *chrysocarpus* (Farwell) Fernald in Rhodora, 47: 144 (1945) "*mucronata* f. *chrysocarpa*".  
*Nemopanthus mucronata* var. *chrysocarpa* Farwell in Rhodora, 42: 307 (1940).

### Fam. CELASTRACEAE

CELASTRACEAE Horaninov, Prim. Lin. Syst. Nat. 95 (1834).—Lindley, Nat. Syst. Bot. ed. 2, 119 (1836), p. p.—Loesener in Nat. Pflanzenfam. ed. 2, 20b: 87 (1942).

*Arillatae* Batsch, Dispos. Gen. Pl. Jenens. 38 (1786).

*Frangulaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. 4, 2: 619 (1805), p. p.

*Celastrinae* R. Brown in Flinders, Voy. Terra Austral. 2 (app.): 554 (1814).

*Celastrineae* De Candolle, Prodr. 2: 2 (1825), p. p.—Bentham & Hooker f., Gen. Pl. 1: 357 (1862), p. p.

*Theaceae* 1. *Celastrae* Reichenbach, Handb. Nat. Pflanzenzysst. 301 (1837).

*Theaceae* 1. *Celastrae* a. *Evonymae* Reichenbach, l. c. (1837).

*Celastrineae* subfam. *Evonymae* Presl, Wšeb. Rostlin. 1: 296 (1846).

**EUONYMUS** Linnaeus, Sp. Pl. 197 (1753) "*Evonymus*"; Gen. Pl. ed. 5, 91, no. 240 (1754).—Bentham & Hooker f., Gen. Pl. 1: 360 (1862); 997 (1867) "*Evonymus*".—Loesener in Nat. Pflanzenfam. ed. 2, 20b: 115 (1942) "*Evonymus*".—Nakai in Acta Phytotax. Geobot. 13: 24 (1943), cum subgen. et sect. nov.

*Evonimus* Necker in Acta Acad. Elect. Sci. Theod.-Palat. 2: 490 (1770).

*Evonymus* subgen. *Platomesus* (p. 58), subgen. *Pontinus* (p. 59), subgen. *Physcondra* (p. 59), Rafinesque, New Fl. N. Am. 3: 58, 59 [1838].

*Vyenomus* C. Presl in Abh. Böhm. Ges. Wiss. Ser. 5, 3: 462 (Bot. Bemerk. 32. 1844) (1845).

*Melanocarya* Turczaninov in Bull. Soc. Nat. Moscou, 31, 1: 453 (1858).

*Pragmotessara* Pierre, Fl. For. Cochinch. 4: t. 309, p. [2] [1894].

*Pragmatropa* Pierre, l. c. [1894].

*Genitia* Nakai in Act. Phytotax. Geobot. 13: 20, fig. (1943).

LECTOTYPUS: *E. europaeus* L.

**E. nana** Bieberstein, Fl. Taur.-Cauc. 3: 160 (1819) "*Euonymus* ? *nanus*".—Stapf in Bot. Mag. 156: t. 9308 (1933).

*Evonymus rosmarinifolia* Hort. ex K. Koch, Dendr. 1: 633 (1869), pro syn.; non Visiani (1859).

*Evonymus angustifolius* Hort. ex K. Koch, l. c. (1869), pro syn.; non Gilibert (1781), nec Pursh (1814).

*Evonymus linifolius* Hort. ex Dippel, Handb. Laubh. 2: 491 (1892), pro syn.

*Evonymus angustifolius pulchellus* Hort. ex [Nicholson in] Kew Hand-list, 1: 67 (1894), nom.

*Evonymus americanus angustifolius* Hort. ex [Nicholson] l. c. (1894), pro syn.

*Evonymus Lilieuri* Hort. ex [Nicholson] l. c. (1894), pro syn.

*Evonymus repens* hort. ex Mouillefert, Traité Arb. Arbriss. 2: 752 [1895], pro syn.

*Euonymus nana pendula* Stapf in Bot. Mag. 156: t. 9308, p. [2] (1933), pro syn.

**E. nana** var. *turkestanica* [Dieck] Krishtofovich in Fedtchenko, Fl. Aziat. Ross. 5: 28 (1914).

*Evonymus Koopmanni* Lauche in Garten-Zeit. (Wittmack) 2: 112, t., fig. 2 (1883).

*Evonymus nana* f. *turkestanica* h. ex Dieck, Haupt-Verz. Zöschchen Nachtr. 1: 10 (1887).

*Evonymus nana* b. *Koopmanni* Lauche ex Koehne, Deutsche Dendr. 364 (1893).—Dippel ex Beissner in Beissner et al., Handb. Laubh.-Ben. 294 (1903) "f."

**E. alata** (Thunb.) Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 49 (Syn. Pl. Oec. Jap.) (1830).—Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 4: 40 (Tent. Fl. Ussur.) (1861).—Loesener & Rehder in Sargent, Pl. Wilson. 1: 493 (1913).—Rehder in Jour. Arnold Arb. 7: 200 (1926); 14: 249 (1933).—Kitagawa in Rep. Inst. Sci. Res. Manchoukuo, 3, 1 (app.): 307 (Lineam. Fl. Manshur.) (1939).—Nakai in Jour. Jap. Bot. 19: 364 (1943).

*Celastrus striatus* Thunberg, Fl. Jap. 98 (1784).

*Celastrus alatus* Thunberg, l. c. (1784).

*Evonymus Thunbergianus* Blume, Bijdr. Fl. Nederl. Ind. 1147 (1826).

*Evonymus alatus* a. *typicus* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 4: 43 (Tent. Fl. Ussur.) (1861).

*Melanocarya alata* Turczaninov in Bull. Soc. Nat. Moscou, 1: 453 (1898).

*Evonymus striata* Loesener in Bot. Jahrb. 30: 463 (1902).—Makino in Bot. Mag. Tokyo, 21: 138 (1907).

*Microthamnus Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 284 (1910).

*Evonymus Loeseneri* Makino in Bot. Mag. Tokyo, 25: 229 (1911).

*Evonymus striatus* var. *alatus* Makino in op. cit. 25: 230 (1911).—Koidzumi in Bot. Mag. Tokyo, 39: 11 (1925) "subsp. 2."

*Evonymus alatus* var. *verus* Kitagawa in Rep. Inst. Sci. Res. Manchoukuo, 3, 1 (app.): 307 (Lineam. Fl. Manshur.) (1939).

**E. alata** f. *compacta* (Adams) Rehder in Jour. Arnold Arb. 20: 418 (1939).

*Evonymus alatus compacta* J. W. Adams Nursery Co., Price List, 1928: 19 (1928); 1931: 31, fig. (1931).

**E. alata** f. *aptera* (Reg.), grad. nov.

*Evonymus subtriflorus* Blume, Bijdr. Fl. Nederl. Ind. 1147 (1826).

*Evonymus alatus* β. *apterus* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 4: 41, t. 7, fig. 2, 3 (Tent. Fl. Ussur.) (1861).

*Evonymus alatus* β. *subtriflora* (Bl.) Franchet & Savatier, Enum. Pl. Jap. 2: 311 [1878].

**E. alata** var. *aperta* Loesener in Sargent, Pl. Wilson. 1: 494 (1913).—Rehder in Jour. Arnold Arb. 7: 202 (1926).

**E. verrucosa** Scopoli, Fl. Carniol. ed. 2, 1: 166 (1772).—Schneider, Ill. Handb. Laubh. 2: 171, fig. 110a-g (1907).

*Evonymus europaeus* γ. *leprosa* Linnaeus f., Suppl. Pl. 154 (1781).

*Evonymus pannonicus* Scopoli ex C. F. Ludwig, Neu. Wilde Baumz. 19 (1783), pro syn.

**E. pauciflora** Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 74 (Prim. Fl. Amur.) (1859).—Skvortzow in China Jour. Sci. Arts, 23: 178, fig. 2 (1935).

**Euonymus pauciflora** (continued)

- Euonymus verrucosus* ? sensu Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 127 (1856), non Scopoli (1772).
- Euonymus verrucosus* β. *pauciflora* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, **4**: 41 (Tent. Fl. Ussur.) (1861).
- Euonymus oligospermus* Ohwi in Act. Phytotax. Geobot. **5**: 185 (1936); **12**: 113 (1943), pro syn.
- E. americana** Linnaeus, Sp. Pl. 197 (1753).—Britton & Brown, Ill. Fl. N. U. S. **2**: 394, fig. 2365 (1897).
- Euonymus sempervirens* Marshall, Arbust. Am. **44** (1785).
- Euonymus muricatus* Rafinesque, New Fl. N. Am. **3**: 59 [1838].
- E. americana** var. *angustifolia* [Pursh] Wood, Am. Bot. **76** (1870) "γ."
- Euonymus angustifolia* Pursh, Fl. Am. Sept. **1**: 168 (1814), non Gilibert (1782).
- E. obovata** Nuttall, Gen. Am. Pl. **1**: 154 (1818).—Britton & Brown, Ill. Fl. N. U. S. **2**: 394, fig. 2366 (1897).
- Euonymus americana* var. *obovata* Torrey & Gray, Fl. N. Am. **1**: 258 (1838).
- Euonymus pendula* Hort. ex Schneider, Ill. Handb. Laubh. **2**: 180 (1907), pro syn.; non Wallich (1824).
- E. europaea** Linnaeus, Sp. Pl. 197 (1753) "*europaeus*", p. p. typ.—Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, **53**: 548 (1908) "*europaeus*".—Hegi, Ill. Fl. Mitteleur. **5**, **1**: 249, fig. 1832, 1833 [1924].
- Euonymus europaeus* a. *tenuifolius* Linnaeus, Sp. Pl. 197 (1753), exclud. syn. Clusius.
- Euonymus vulgaris* Miller, Gard. Dict. ed. 8, *E.* no. 1 (1768).—Rouy in Rouy & Foucaud, Fl. France, **4**: 159 (1897).—Schneider, Ill. Handb. Laubh. **2**: 182, fig. 113a-i, 115q-s (1907).
- Euonymus angustifolius* Gilibert, Fl. Lithuan. **2**: 128 (1782).—Villars, Hist. Pl. Dauphin. **2**: 540 (1787).
- Euonymus vulgaris* var. *genuina* Rouy in Rouy & Foucaud, Fl. France, **4**: 159 (1897).
- Euonymus Europaea* var. *genuina* Hegi, Ill. Fl. Mitteleur. **5**, **1**: 251 [1924].
- E. europaea** f. *aldenhamensis* (Gibbs), grad. nov.
- Euonymus europaeus* *aldenhamensis* Gibbs in Jour. Hort. Soc. Lond. **48**: lxxxix (1923).—Bean, Trees Shrubs Brit. Isl. **3**: 154 (1933) "var."
- E. europaea** f. *atropurpurea* [Mouillef.] Hegi, Ill. Fl. Mitteleur. **5**, **1**: 251 [1924].
- Euonymus europaeus* var. *atropurpurea* Hort. ex Mouillefert, Traité Arb. Arbriss. **2**: 748 [1895].—Rehder in Bailey, Cycl. Am. Hort. [2]: 559 (1900).
- Euonymus europaeus* var. *purpureus* Bean, Trees Shrubs Brit. Isl. **1**: 539 (1914).
- E. europaea** f. *atrorubens* (Schneid.) Hegi, Ill. Fl. Mitteleur. **5**, **1**: 251 [1924].
- Euonymus europaea* f. *fructu atropurpureo* hort. ex Beissner in Beissner et al., Handb. Laubh.-Ben. 295 (1903), nom.
- Euonymus vulgaris* f. *atrorubens* Schneider, Ill. Handb. Laubh. **2**: 182 (1907).
- Euonymus europaea* var. *atrorubens* Rehder in Bailey Stand. Cycl. Hort. **2**: 1187 (1914).
- Euonymus europaea* *tingens* hort. ex Späth, Späth-Buch, 171 (1920).
- E. europaea** f. *alba* (West.), grad. nov.
- Euonymus europaeus* 3. *albus* Weston, Bot. Univ. **1**: 103 (1770).

*Euonymus europaeus* β. *leucocarpus* De Candolle, Prodr. **2**: 4 (1825).—Hegi, Ill. Fl. Mitteleur. **5**, **1**: 251 [1924] "f. *leucocarpa*".

*Euonymus vulgaris* subvar. *leucocarpus* Rouy in Rouy & Foucaud, Fl. France, **4**: 159 (1897).—Schneider, Ill. Handb. Laubh. **2**: 182 (1907) "f."

*Euonymus europaeus* var. *fructu-albo* Bean, Trees Shrubs Brit. Isl. **1**: 539 (1914).

**E. europaea** f. *nana* [Loud.] Beissner in Beissner et al., Handb. Laubh.-Ben. 294 (1903).

*Euonymus europaeus* var. *nana* Loddiges Cat. ex Loudon, Arb. Brit. **2**: 496 (1838).

**E. europaea** var. *intermedia* Gaudin, Fl. Helv. **2**: 226 (1828).—Hegi, Ill. Fl. Mitteleur. **5**, **1**: 251 [1924].

*Euonymus europaeus* b. *macrophyllus* Schleicher, Cat. Pl. Helv. ed. [2], **13** (1807), nom.—Reichenbach, Icon. Fl. Germ. Helv. **6**: 56, t. 309 (1841) "γ."

*Euonymus europaea* b. *ovata* Dippel, Handb. Laubh. **2**: 407 (1892).—Beissner in Beissner et al., Handb. Laubh.-Ben. 294 (1903) "f."

*Euonymus vulgaris* γ. *macrophyllus* Rouy in Rouy & Foucaud, Fl. France, **4**: 159 (1897).

*Euonymus vulgaris* var. *intermedia* Schneider, Ill. Handb. Laubh. **2**: 182 (1907).

**E. europaea** var. *angustifolia* Reichenbach, Icon. Fl. Germ. Helv. **6**: 56, t. 309 (1844).

*Euonymus europaeus* β. *E. angustifolius* K. F. Schultz, Prodr. Fl. Stargard. Suppl. **16** (1819).

*Euonymus vulgaris* β. *angustifolius* Rouy in Rouy & Foucaud, Fl. France, **4**: 159 (1897).

**E. bulgarica** Velenovsky, Fl. Bulg. **116** (1891) "*bulgaricus*".—Schneider, Ill. Handb. Laubh. **2**: 182, fig. 115u (1907).

**E. velutina** Fischer & Meyer in Hohenacker in Bull. Soc. Nat. Moscou, **1838** [11]: 337 (Enum. Pl. Talysch, 101) (1838).—Krishtofovich in Fedtchenko, Fl. Aziat. Ross. **5**: 22, fig. 8 (1914).

*Euonymus europaeus* β. *velutinus* C. A. Meyer, Verz. Pfl. Cauc. Casp. Meer. **134** (1831), nom.

**E. phellomana** Loesener in Bot. Jahrb. **29**: 444, t. 5, fig. D-E (1900); **30**: 4 (1902).—Rehder in Jour. Arnold Arb. **7**: 203 (1926).

**E. Hamiltoniana** Wallich in Roxburgh, Fl. Ind. **2**: 403 (1824).—Lawson in Hooker f., Fl. Brit. Ind. **1**: 612 (1875).—Loesener in Ber. Deutsch. Bot. Ges. **30**: 541 (1914).—Rehder in Jour. Arnold Arb. **14**: 248 (1933).

*Euonymus europaea* β. *Hamiltoniana* Maximowicz in Bull. Acad. Sci. St. Pétersb. **27**: 449 (in Mém. Biol. **11**: 191. 1881) (1882), exclud. syn. plur.

*Euonymus rugosa* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 261 (1914).

*Euonymus Darrisii* Léveillé, l. c. (1914).

?*Euonymus Maackii* sensu Léveillé, Fl. Kouy-Tchéou, **73** (1914), non Rupprecht (1857).

*Euonymus Hamiltoniana* var. *australis* Komarov in Act. Hort. Petrop. **22**: 710 (Fl. Mansh. II) (1904).

**E. nanoides** Loesener & Rehder in Sargent, Pl. Wilson. **1**: 492 (1913).—Rehder in Jour. Arnold Arb. **7**: 203 (1926).

**E. oresbia** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 34 (1917).

*Euonymus europaeus* var. *a.* sensu Franchet in Ann. Sci. Nat. Bot. sér. 6, **15**: 249 (Pl. Turkest.) (1883).



- E. Przewalskii** Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 451 (in Mém. Biol. 11: 194. 1881) (1882).—Rehder in Jour. Arnold Arb. 7: 203 (1926).
- E. Semenovii** Regel & Herder in Bull. Soc. Nat. Moscou, 39, 1: 557 (1866).—Krishtofovich in Fedtchenko, Fl. Aziat. Ross. 5: 20, fig. 7 (1914).  
*Evonymus verrucosus* var. *Semenovi* Krasnov, Obit. Ist. Razv. Fl. Tianshan, 376 (1888).
- E. atropurpurea** Jacquin, Hort. Vindob. 2: t. 120 (1772).—Sargent, Silva N. Am. 2: 11, t. 53 (1891).  
*Euonymus Carolinensis* Marshall, Arbust. Am. 43 (1784).  
*Euonymus latifolius* sensu Marshall, op. cit. 44 (1784), non Miller (1768).  
*Euonymus tristis* Salisbury, Prodr. Stirp. Chap. Allert. 142 (1796).
- E. occidentalis** Nuttall ex Torrey in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 4: 74 (1856).—Jepson, Fl. Calif. 2: 449 (1936).  
*Euonymus atropurpureus* ? sensu Hooker, Fl. Bor.-Am. 1: 119 [1830], non Jacquin (1772).  
*Euonymus atropurpureus* β. Torrey & Gray, Fl. N. Am. 1: 258 (1838).  
*Euonymus occidentalis* Nuttall ex Torrey & Gray, l. c. (1838), pro syn.
- E. Maackii** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 358 (1857).—Rehder in Jour. Arnold Arb. 7: 205 (1926); 14: 248 (1933).  
*Evonymus europaeus* β. *Maackii* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 4: 43 (Tent. Fl. Ussur.) (1861).  
*Evonymus Sieboldianus* sensu Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2: 122 (Reis. Amur.-L. Sachal.) (1868), non Blume (1826).  
*Evonymus europaea* β. *Hamiltoniana* Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 449 (in Mém. Biol. 11: 191. 1881) (1882), exclud. syn. plur. et pl. himal. typ.  
*Evonymus Hamiltoniana* sensu Dippel, Handb. Laubh. 2: 487 (1892), p. p.—Loesener in Bot. Jahrb. 36, Beibl. 87, 2: 151 (1905).—Krishtofovich in Fedtchenko, Fl. Aziat. Ross. 5: 23, fig. 9 (1914).—Non Wallich (1824).  
*Evonymus Hamiltoniana* var. *Maackii* Komarov in Act. Hort. Petrop. 22: 710 (Fl. Mansh. II) (1904).  
*Evonymus Hamiltoniana* var. *Sieboldiana* Komarov, l. c. (1904).  
*Evonymus coreanus* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 284 (1910).
- E. Maackii f. lanceolata** Rehder in Jour. Arnold Arb. 22: 578 (1941).
- E. hians** Koehne in Gartenfl. 53: 33 (1904); in Mitt. Deutsch. Dendr. Ges. 1910(19): 110, fig. 6, 5, fig. 7, E [1911?].  
*Evonymus europaea* sensu Shirasawa, Icon. Ess. For. Jap. 2: t. 39 (1908), non Linnaeus (1753).
- E. semiexserta** Koehne in Repert. Sp. Nov. Reg. Veg. 8: 54 (1910).
- E. nikoensis** Nakai in Bot. Mag. Tokyo, 40: 492 (1926).
- E. lanceifolia** Loesener in Bot. Jahrb. 30: 462 (1902).—Rehder in Jour. Arnold Arb. 7: 204 (1926); 14: 248 (1933).  
*Evonymus Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 261 (1914).
- E. yedoensis** Koehne in Gartenfl. 53: 31, fig. 13 (1904); in Mitt. Deutsch. Dendr. Ges. 1910(19): 110, fig. 6, 3, fig. 7, c [1911?].  
*Evonymus Sieboldianus* sensu Rehder in Sargent, Trees & Shrubs, 1: 213, t. 62 (1903), exclud. syn.; non Blume (1826).
- E. yedoensis f. calocarpa** Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 111 [1911?].
- E. yedoensis** var. *Koehneana* Loesener in Sargent, Pl. Wilson. 1: 491 (1913).
- E. Bungeana** Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 470 (Prim. Fl. Amur.) (1859).—Rehder in Sargent, Trees & Shrubs, 1: 125, t. 63 (1903); in Jour. Arnold Arb. 7: 205 (1926).  
*Evonymus micranthus* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 88 (Enum. Pl. Chin. Bor. 14. 1833) (1835), non D. Don (1825).  
*Evonymus Forbesii* Hance in Jour. Bot. 18: 259 (1880).
- E. Bungeana f. pendula** Rehder in Jour. Arnold Arb. 7: 31 (1926).
- E. Bungeana** var. *semipersistens* (Rehd.) Schneider, Ill. Handb. Laubh. 2: 179, fig. 117i-k (1907), 1024 (1912).—Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 108 [1911?].  
*Evonymus Hamiltoniana* var. *semipersistens* Rehder in Bailey, Cycl. Am. Hort. [2]: 559 (1900).
- E. Sieboldiana** Blume, Bijdr. Fl. Nederl. Ind. 1147 (1826).—Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 64, fig. 1, c [1907].
- E. sanguinea** Loesener in Bot. Jahrb. 29: 441, t. 5A, B (1900); 30: 465 (1902).  
*Evonymus sanguinea a. orihoneura* Loesener in op. cit. 442 (1900).
- E. sanguinea** var. *brevipedunculata* Loesener in Sargent, Pl. Wilson. 1: 495 (1913).—Rehder in Jour. Arnold Arb. 7: 208 (1926).
- E. sanguinea** var. *camptoneura* Loesener in Bot. Jahrb. 29: 442 (1900); 36, Beibl. 82: 72 (1905) "β."
- E. Monbeigii** W. W. Smith in Notes Bot. Gard. Edinb. 10: 34 (1917).
- E. fimbriata** Wallich in Roxburgh, Fl. Ind. 2: 408 (1824).—Hooker f., Fl. Brit. Ind. 1: 611 (1875) "*E. fimbriatus*".  
*Evonymus micranthus* D. Don, Prodr. Fl. Nepal. 191 (1825).
- E. macroptera** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 359 (1857).—Krishtofovich in Fedtchenko, Fl. Aziat. Ross. 5: 25, fig. 26 (1914).  
*Evonymus latifolius* ? sensu Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 127 (1856), non Miller (1768).  
*Evonymus ussuriensis* Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 440 (in Mém. Biol. 11: 190. 1881) (1882).
- E. latifolia** (L.) Miller, Gard. Dict. ed. 8, E. no. 2 (1768).—Scopoli, Fl. Carniol. ed. 2, 1: 165 (1772).—Rouy in Rouy & Foucaud, Fl. France, 4: 159 (1897).  
*Evonymus Europaeus* β. *latifolius* Linnaeus, Sp. Pl. 197 (1753).  
*Pragmotessara latifolia* Pierre, Fl. For. Cochinch. 4: t. 309, p. [2] (1894).
- E. sachalinensis** (Fr. Schmidt) Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 446 (in Mém. Biol. 11: 185. 1881)

**Euonymus sachalinensis** (*continued*)

- (1882). — Krishtofovich in Fedtchenko, Fl. Aziat. Ross. 5: 27, fig. 12 (1914). — Rehder in Jour. Arnold Arb. 7: 209 (1926). — Nakai in Bot. Mag. Tokyo, 49: 417 (1935).
- Euonymus latifolius* var. *sachalinensis* Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2: 121 (Reis. Amur-L. Sachal.) (1869).
- ?*Euonymus latifolius* sensu Franchet & Savatier, Enum. Pl. Jap. 1: 79 [1873], non Miller (1768).
- Euonymus latifolia* var. *planipes* Koehne in Gartenfl. 53: 29 (1904).
- Euonymus planipes* Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 62, fig. 1A [1907]; in Repert. Spec. Nov. Reg. Veg. 6: 337 (1909).
- Euonymus robusta* Nakai in Bot. Mag. Tokyo, 27: 130 (1913), nom.; 29: (32) (1915).
- Euonymus oxyphylla* var. *Kuenburgii* Honda in Bot. Mag. Tokyo, 47: 297 (1933).
- E. oxyphylla** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 86 (Prol. Fl. Jap. 18) (1866). — Koehne in Mitt. Deutsch. Dendr. Ges. 1906(15): 63, fig. 2 [1907]. — Sprague in Bot. Mag. 141: t. 8639 (1915).
- E. nipponica** Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 447 (in Mém. Biol. 11: 186. 1881) (1882). — Schneider, Ill. Handb. Laubh. 2: 180, f. 112z-z' (1907).
- E. kiautschovica** Loesener in Bot. Jahrb. 30: 453 (1902). — L. C. C[hadwick] in Am. Nurseryman, 84, 3: 22, fig. (cover) (1946), "*Kiautschovicus*".
- Euonymus patens* Rehder in Sargent, Trees & Shrubs, 1: 127, t. 64 (1903).
- Euonymus Sieboldianus* hort. ex Rehder, l. c. (1903), pro syn.; non Blume (1826).
- Euonymus kiautschovica* var. *patens* Loesener in Sargent, Pl. Wilson. 1: 486 (1913).
- E. pygmaea** W. W. Smith in Notes Bot. Gard. Edinb. 10: 35 (1917).
- E. grandiflora** Wallich in Roxburgh, Fl. Ind. 2: 404 (1824). — Lawson in Hooker f., Fl. Brit. Ind. 1: 608 (1875). — Loesener & Rehder in Sargent, Pl. Wilson. 1: 484 (1913).
- Lophopetalum grandiflorum* Arnott in Ann. Nat. Hist. 3: 151 (1839).
- Euonymus Mairei* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 260 (1914), exclud. specim. "Siao-ho."
- E. grandiflora** f. *salicifolia* Stapf & F. B. in Bot. Mag. 153: t. 9183 (1929).
- E. japonica** Thunberg, Fl. Jap. 100 (1784). — Schneider, Ill. Handb. Laubh. 2: 173, fig. 111k-p, 112m-o (1907).
- Euonymus japonicus* var. *typicus* Regel in Gartenfl. 15: 261 (1866); in Ind. Sem. Hort. Bot. Petrop. 1866: 102 (1867) "a."
- Pragmotessara japonica* Pierre, Fl. For. Cochinch. 4: t. 309, p. [2] (1894).
- E. japonica** f. *macrophylla* (Reg.) Beissner in Beissner et al., Handb. Laubh.-Ben. 293 (1903).
- Euonymus japonicus* var. *macrophyllus* Regel in Gartenfl. 15: 260 (1866).
- Euonymus japonica robusta* May in Rev. Hort. 1870: 572 (1871).
- E. japonica** f. *microphylla* (Jaeg.) Beissner in Beissner et al., Handb. Laubh.-Ben. 293 (1903).
- Euonymus japonicus microphyllus* Siebold, Cat. Rais. Jard. Acclim. 1863: 33 (1863), nom. — Jaeger in Jaeger & Beissner, Ziergeh. ed. 2, 151 (1884).
- ?*Euonymus microphyllus* Carrière in Rev. Hort. 1883: 37 (1883).
- Euonymus pulchellus* Carrière in Rev. Hort. 1888: 202 (1888).
- Euonymus angustifolia* hort. ex Dippel, Handb. Laubh. 2: 495 (1892), pro syn.; non Gilibert (1782), nec Pursh (1814).
- Eurya microphylla* Hort. ex K. Koch, Dendr. 1: 632 (1869), pro syn.
- E. japonica** f. *argenteo-variegata* (Reg.), grad. nov.
- Euonymus japonicus* var. *argenteo-variegatus* Regel in Gartenfl. 15: 260 (1866).
- E. japonica** f. *albo-marginata* (T. Moore), grad. nov.
- Euonymus japonicus latifolius albo-marginatus* T. Moore in Proc. Hort. Soc. Lond. 3: 282 (1863).
- E. japonica** f. *aureo-variegata* (Reg.), grad. nov.
- Euonymus japonicus* var. *aureo-variegatus* Regel in Gartenfl. 15: 260 (1866).
- E. japonica** f. *aureo-marginata* (Rehd.), grad. nov.
- Euonymus japonicus aureo-marginatus* Nicholson, Ill. Dict. Gard. 2: 540 [1885], nom. — Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 1188 (1914) "var."
- E. japonica** f. *viridi-variegata* (Rehd.), grad. nov.
- Euonymus japonica* "Duc d'Anjou" Carrière in Rev. Hort. 1872: 337 (1872); 1878: 179 (1878).
- Euonymus japonica* var. *viridi-variegata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 559 (1900).
- E. japonica** f. *pyramidata* (Carr.), grad. nov.
- Euonymus japonica pyramidata* Carrière in Rev. Hort. 1878: 300 (1878); 1882: 529 (1882).
- Euonymus japonica columnaris* Carrière in op. cit. 1887: 89 (1887).
- Euonymus japonicus* var. *pyramidalis* Hort. ex Schneider, Ill. Handb. Laubh. 2: 173 (1907), pro syn.
- E. japonica** f. *fastigiata* (Carr.), grad. nov.
- Euonymus japonica fastigiata* Carrière in Rev. Hort. 1876: 260 (1876); 1882: 529 (1882).
- E. Fortunei** (Turcz.) Handel-Mazzetti, Symb. Sin. 7: 660 (1933), exclud. *E. kiautschovica* et var. et specim. cit. — Rehder in Jour. Arnold Arb. 19: 75, t. 218 (1938).
- Elaeodendron Fortunei* Turczaninov in Bull. Soc. Nat. Moscou, 36, 1: 603 (1863).
- Euonymus japonica* var. *acuta* Rehder in Sargent, Pl. Wilson. 1: 485 (1913).
- Euonymus radicans* var. *acuta* Rehder in Mitt. Deutsch. Dendr. Ges. 1913(22): 257 [1914].
- E. Fortunei** f. *colorata* (Rehd.) Rehder in Jour. Arnold Arb. 19: 77 (1939).
- Euonymus radicans* var. *acuta* f. *colorata* Rehder in Jour. Arnold Arb. 7: 30 (1926); Man. Cult. Trees Shrubs, 552 (1927) "*E. r.* var. *c.*"
- E. Fortunei** var. *radicans* (Miq.) Rehder in Jour. Arnold Arb. 19: 77 (1939).
- Euonymus gracilis* Siebold, Cat. Rais. Pl. Jap. Chine, 33 (1863), nom. — K. Koch, Dendr. 1: 632 (1869), pro syn.
- Euonymus radicans* Sieb. ex Siebold, l. c. (1863), pro syn. — Sieb. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 86 (Prol. Fl. Jap. 18. 1866) (1865), pro syn.; 3: 202 (366)

- (1867). — Rehder, Man. Cult. Trees Shrubs, 552 (1927).  
*Evonymus japonicus* β. *radicans* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 86 (Prol. Fl. Jap. 18. 1866) (1865).  
*Evonymus japonicus radicans viridis* Regel in Gartenfl. 15: 261 (1866); in Ind. Sem. Hort. Bot. Petrop. 1866: 103 (1867) "μ."  
*Evonymus repens* Carrière in Rev. Hort. 1885: 296 (1885).  
*Evonymus japonicus* β. *gracilis* Koehne, Deutsche Dendr. 363 (1893), non Regel (1866).  
*Evonymus radicans* var. *viridis* Regel ex Schneider, Ill. Handb. Laubh. 2: 173 (1907).
- E. Fortunei** f. *reticulata* (Reg.) Rehder in Jour. Arnold Arb. 19: 78 (1938) "*E. F.* var. *radicans* f. *r.*"  
*Evonymus japonicus* β. *gracilis* Regel in Gartenfl. 15: 261 (1866); in Ind. Sem. Hort. Bot. Petrop. 1866: 102 (1867) "λ."  
*Evonymus gracilis* h. Sieb. ex Regel, l. c. (1867), pro syn.  
*Evonymus radicans* var. *reticulatus* Rgl. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 559 (1900).  
*Evonymus radicans* var. *viridis* Rgl. f. *reticulata* Schneider, Ill. Handb. Laubh. 2: 173 (1907).  
*Evonymus japonicus* var. *picta* sensu Rehder, Man. Cult. Trees Shrubs, 552 (1927), exclud. syn.; non J. Makoy (1865).
- E. Fortunei** f. *gracilis* (Reg.) Rehder in Jour. Arnold Arb. 19: 78 (1938).  
*Evonymus japonicus gracilis* Regel in Gartenfl. 15: 261 (1866); in Ind. Sem. Hort. Bot. Petrop. 1866: 103 (1867) "θ."  
*Evonymus gracilis argenteo-variegatus* h. Sieb. ex Regel, l. c. (1867), pro syn.  
*Evonymus gracilis roseo-variegatus* h. Sieb. ex Regel, l. c. (1867), pro syn.  
*Evonymus radicans variegata* Carrière in Rev. Hort. 1876: 354, fig. 75-77 (1876).  
*Evonymus radicans* var. *viridis* Rgl. f. *gracilis* Schneider, Ill. Handb. Laubh. 2: 173 (1907).  
*Evonymus radicans* var. *argenteo-marginatus* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 559 (1900).  
 Formae sequentes foliis varie variegatis huc ducentes:  
*Evonymus radicans pictus* J. Makoy et Cie. in Belg. Hort. 15: 146 (1865).  
*Evonymus japonicus radicans* sensu Regel in Gartenfl. 15: 261 (1866); in Ind. Sem. Hort. Bot. Petrop. 1866: 103 (1867) "ι."  
*Evonymus radicans roseo-marginatus* h. J. Makoy et Cie. ex Regel, l. c. (1867), pro syn.  
*Evonymus radicans* var. *viridis* Rgl. f. *roseo-marginata* Schneider, Ill. Handb. Laubh. 2: 173 (1907).  
*Evonymus japonicus tricolor* Regel in Gartenfl. 15: 261 (1866); in Ind. Sem. Hort. Bot. Petrop. 1866: 103 (1867) "κ."  
*Evonymus tricolor* J. Makoy et Cie. ex Regel, l. c. (1867), pro syn.  
*Evonymus radicans pictus* h. Lambertianus ex Regel, l. c. (1867), pro syn.; non J. Makoy et Cie. (1865).
- E. Fortunei** f. *minima* (Simon-Louis) Rehder in Jour. Arnold Arb. 19: 79 (1938) "*Euonymus F.* var. *radicans* f. *m.*"; exclud. syn. Bean.  
*Evonymus radicans minimus* Simon-Louis, Cat. 1912-13: 43 (1912), vel prius. — Rehder in Bailey, Stand. Cycl. Hort. 2: 1188 (1914).
- E. Fortunei** f. *kewensis* (Bean) Rehder in Jour. Arnold Arb. 28: ined. (1947).  
*Evonymus radicans* var. *kewensis* Hort. ex Bean, Trees Shrubs Brit. Isl. 1: 542 (1914). — [V. Gibbs in] Aldenham House Gard. List Surpl. Pl. 18 (1929), nom. subnud.; exclud. syn.  
*Evonymus kewensis* Hort. ex H. A. Hesse in Möller's Deutsch. Gärt.-Zeit. 47: 217, fig. (1932).
- E. Fortunei** f. *Carrierei* (Vauvel) Rehder in Jour. Arnold Arb. 19: 79 (1938) "*E. F.* var. *radicans* f. *C.*"  
*Evonymus Carrierei* Vauvel in Jour. Vulgaris. Hort. 1881, no. 6 (1881). — Carrière in Rev. Hort. 1881: 373, fig. 92 (1881); 1885: 295, fig. 50 (1885).  
*Evonymus japonicus* var. *gracilis* Dippel, Handb. Laubh. 2: 495 (1892), p. p.; non Regel (1867).  
*Evonymus japonicus Carrierei* Mottet, Dict. Prat. Hort. Jard. 2: 351 (1894).  
*Evonymus radicans* var. *Carrierei* [Nicholson] in Kew Hand-list Trees Shrubs, 1: 67 (1894).
- E. Fortunei** var. *vegeta* (Rehd.) Rehder in Jour. Arnold Arb. 19: 80 (1938).  
*Evonymus radicans* var. *vegetus* Rehder in Sargent, Trees & Shrubs, 1: 129, t. 65 (1903).  
*Euonymus Carrierei* var. *vegetus* Koidzumi in Act. Phytotax. Geobot. 10: 56 (1941).
- E. Wilsonii** Sprague in Kew Bull. 1908: 180 (1908).
- E. echinata** Wallich in Roxburgh, Fl. Ind. 2: 410 (1824). — M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 611 (1875).  
*Evonymus scandens* Graham in Edinb. New Philos. Jour. 1826-7: 386 (1827).  
*Evonymus vagans* Wallich, Num. List, no. 4284 [1830], nom., p. p.; non Wallich (1824).  
*Pragmotessara echinata* Pierre, Fl. For. Cochinch. 4: t. 309, p. [2] (1894).
- E. myriantha** Hemsley in Kew Bull. 1893: 210 (1893) "*myrianthus*."  
*Evonymus Rosthornii* Loesener in Bot. Jahrb. 29: 437, t. 4b-f (1900).  
*Evonymus Sargentiana* Loesener & Rehder in Sargent, Pl. Wilson. 1: 487 (1913). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 560 (1940).
- E. pendula** Wallich in Roxburgh, Fl. Ind. 2: 406 (1824), nom. tentat.; Num. List, no. 4280 [1830]. — M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 612 (1875).  
*Evonymus lucidus* D. Don, Prodr. Fl. Nepal. 191 (1825).  
*Evonymus japonica* sensu Wallich in Roxburgh, Fl. Ind. 2: 405 (1824), non Thunberg (1784).  
*Vyonomus pendula* Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 462 (Bot. Bemerk. 32. 1844) (1845).  
*Evonymus fimbriatus* sensu Scheidweiler in Fl. des Serr. 7: 70, fig. (1851). — Lindley in Paxton's Flow. Gard. 2: 54, fig. 162 (1853). — Non Wallich (1824).  
*Pragmotropa pendula* Pierre, Fl. For. Cochinch. 4: t. 309, p. [2] (1894).
- E. Aquifolium** Loesener & Rehder in Sargent, Pl. Wilson. 1: 484 (1913).
- E. ilicifolia** Franchet in Bull. Soc. Bot. France, 33: 455 (1886). — Bois in Jour. Soc. Hort. France, sér. 4, 1: 195, fig. 19 (1900).  
*Pragmotessara ilicifolia* Pierre, Fl. For. Cochinch. 4: t. 309, p. [2] (1894).
- CELASTRUS** Linnaeus, Sp. Pl. 196 (1753); Gen. Pl. ed. 5, 91, no. 239 (1754). — Benth & Hooker f., Gen. Pl. 1: 364 (1862).  
*Euonymoides* Medicus, Philos. Bot. 1: 173 (1789).

**Celastrus** (*continued*)

- Catha* sensu G. Don, Gen. Hist. Dichlam. Pl. 2: 9 (1832), non Forskål (1775).  
*Guevinia* Hort. Paris ex Decaisne in Neumann in Rev. Hort. sér. 2, 4: 425 (1846), non *Guevinia* Jussieu (1789).  
*Schiekea* Karsten in Bot. Zeit. 6: 398 (1848).—Loesener in Nat. Pflanzenfam. Nachtr. 2: 39 (1908), pro syn.  
 LECTOTYPUS: *C. scandens* L.
- C. scandens** Linnaeus, Sp. Pl. 196 (1753).—Britton & Brown, Ill. Fl. N. U. S. 2: 396, fig. 2370 (1897).  
*Evonymoides scandens* Medicus, Philos. Bot. 1: 173 (1789).
- C. dependens** Wallich in Roxburgh, Fl. Ind. 1: 389 (1824).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 355 (1915).  
*Celastrus multiflorus* sensu Roxburgh, Fl. Ind. 1: 389 (1824), non Lamarck [1785].  
*Celastrus alnifolia* D. Don, Prodr. Fl. Nepal. 190 (1825).  
*Celastrus paniculata* sensu M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 617 (1875), p. p.; non Willdenow [1798].
- C. angulata** Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 455 (in Mém. Biol. 11: 199. 1881) (1882).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 347 (1915).  
*Celastrus latifolius* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 123 (1886).
- C. hypoleuca** (Oliv.) Warburg ex Loesener in Bot. Jahrb. 29: 445 (1900).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 346 (1915).  
*Erythrospermum hypoleucum* Oliver in Hooker's Icon. Pl. 19: t. 1899 (1889).  
*Celastrus hypoglaucus* Hemsley in Ann. Bot. 9: 150 (1895).  
*Celastrus hypoleucus* f. *a. genuina* et f. *β. argutior* Loesener in Bot. Jahrb. 30: 445 (1902).
- C. glaucophylla** Rehder & Wilson in Sargent, Pl. Wilson. 2: 347 (1915).
- C. rugosa** Rehder & Wilson in op. cit. 349 (1915).
- C. Vanioti** (Lévl.) Rehder in Jour. Arnold Arb. 14: 249 (1933).  
*Saurauja Vanioti* Léveillé, Fl. Kouy-Tchéou, 415 (1915, before Oct.).  
*Celastrus spiciformis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 348 (1915, Dec. 28).
- C. Vanioti** var. *laevis* (Rehd. & Wils.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 561 (1940).—Merrill in Brittonia, 4: 104 (1941).  
*Celastrus spiciformis* var. *laevis* Rehder & Wilson in Sargent, Pl. Wilson. 2: 349 (1915).
- C. Loeseneri** Rehder & Wilson in Sargent, Pl. Wilson. 2: 350 (1915).—Osborn in Gard. Chron. ser. 3, 90: 196, t. (1931).  
*Celastrus articulatus* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 122 (1886), p. p.; non Thunberg (1784).  
*Celastrus orbiculata* sensu Loesener in Bot. Jahrb. 30: 468 (1902), p. p.; non Thunberg (1784).
- C. Rosthorniana** Loesener in Bot. Jahrb. 29: 445 (1900); 30: 468 (1902).
- C. Hookeri** Prain in Jour. Nat. Hist. As. Soc. Bengal, 72: 2: 197 (1904); Novit. Ind. 418 (1905).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 352 (1915).
- Celastrus stylosa* sensu M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 618 (1875), p. p.; non Wallich (1824).
- C. orbiculata** Thunberg, Fl. Jap. xlii (1784).—Poiret, Encycl. Méth. Bot. Suppl. 2: 144 (1811).—Loesener in Bot. Jahrb. 30: 468 (1902), p. p.—Airy-Shaw in Bot. Mag. 158: t. 9394 (1935).  
*Celastrus articulatus* Thunberg, Fl. Jap. 97 (1784), sphalm. ?—Rehder & Wilson in Sargent, Pl. Wilson. 2: 356 (1915).—Rehder in Jour. Arnold Arb. 7: 212 (1926).  
*Celastrus Tatarinowii* Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 357 (1857).  
*Celastrus crispula* Regel in Ind. Sem. Hort. Bot. Petrop. 1861: 51 (1861).
- C. orbiculatus** var. *punctatus* (Thunb.) Rehder in Bailey, Cycl. Am. Hort. [1]: 267 (1900).  
*Celastrus punctatus* Thunberg, Fl. Jap. 97 (1784).  
*Celastrus striata* Thunb. ? sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 210 (Prol. Fl. Jap. 142) (1866), non Thunberg (1784).  
*Celastrus kiusianus* Franchet & Savatier, Enum. Pl. Jap. 2: 314 [1878?].  
*Celastrus articulata* var. *punctata* Makino in Bot. Mag. Tokyo, 21: 138 (1907).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 357 (1915).  
*Celastrus articulatus* var. *humilis* Matsumura, Ind. Pl. Jap. 2: 319 (1912).
- C. orbiculata** f. *major* Loesener in Bot. Jahrb. 30: 469 (1902) "f. γ."
- C. gemmata** Loesener in Bot. Jahrb. 30: 468 (1902).—Rehder in Jour. Arnold Arb. 14: 250 (1933).  
*Embelia Esquirolii* Léveillé in Repert. Nov. Reg. Veg. 10: 374 (1912).
- C. flagellaris** Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 357 (1857); Decas Pl. Amur. t. 4 (1859).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 357 (1915).  
*Celastrus ciliidens* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 85 (Prol. Fl. Jap. 66. 1866) (1865).  
*Celastrus clemacanthus* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 284 (1910).
- PACHISTIMA** Rafinesque in Am. Monthly Mag. 2: 176 (1818), nom. subnud.—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 556 (1908).  
*Oreophila* Nuttall in Torrey & Gray, Fl. N. Am. 1: 258 (1838), non D. Don (1832).  
*Paxistima* Rafinesque, Sylva Tellur. 42 (1838, pref. Oct.), sphalm. pro "*Pachistima*" ?—L. C. Wheeler in Am. Midland Nat. 29: 792 (1943).  
*Pachystima* Rafin. ex Endlicher, Gen. Pl. Suppl. 1: 1424 (1840).—Bentham & Hooker f., Gen. Pl. 1: 361 (1862).  
*Pachystigma* Meissner, Pl. Vasc. Gen. Comm. 348 (1843), non Hochstetter (1842).  
 TYPUS: *Ilex* ? *myrsinites* Pursh = *P. myrsinites* (Pursh) Raf.
- P. Myrsinites** (Pursh) Rafinesque, Sylva Tellur. 42 (1838) "*Paxistima*".—Jepson, Fl. Calif. 2: 450 (1936) "*Pachystima*".  
*Ilex* ? *myrsinites* Pursh, Fl. Am. Sept. 1: 119 (1814).  
*Myginda myrtifolia* Nuttall, Gen. N. Am. Pl. 1: 109 (1818).  
*Oreophila myrtifolia* Nuttall in Torrey & Gray, Fl. N. Am. 1: 259 (1838).  
*Paxistima myrtifolia* L. C. Wheeler in Am. Midland Nat. 29: 793 (1943).

- P. Canbyi** Gray in Proc. Am. Acad. Arts Sci. **8**: 623 (1873). "*Pachystima*." — Britton & Brown, Ill. Fl. N. U. S. **2**: 395, fig. 2369 (1897) "*Pachystima*".  
*Paxistima Canbyi* L. C. Wheeler in Am. Midland Nat. **29**: 794 (1943).

**FORSELLESIA** Greene in Erythea, **1**: 206 (1893). — Loesener in Nat. Pflanzenfam., ed. 2, **20b**: 188 (1942).  
*Glossopetalon* Gray, Pl. Wright. Tex.-Neo-Mex. **2**: 29 (Smithson. Inst. Contrib. Knowl. **5,6**) (1853). — Bentham & Hooker f., Gen. Pl. **1**: 368 (1862) "*Glossopetalum*". — St. John in Proc. Biol. Soc. Washington, **55**: 105 (1942). — Non *Glossopetalum* Schreber (1789).  
 Typus: *Glossopetalon spinescens* Gray = *F. spinescens* (Gray) Greene.

**F. meionandra** (Koehne) Heller, Cat. N. Am. Pl. ed. 2, **8** (1900).  
*Glossopetalum meionandrum* Koehne in Gartenfl. **43**: 237, fig. 52 (1894).

**TRIPTERYGIUM** Hooker f. in Bentham & Hooker f., Gen. Pl. **1**: 368 (1862). — Franchet & Savatier, Enum. Pl. Jap. **2**: 315 [1878?] "*Trypterygium*". — Loesener in Nat. Pflanzenfam. ed. 2, **20b**: 169 (1942).  
 Typus: *T. Wilfordi* Hooker f.

**T. Regellii** Sprague & Takeda in Kew Bull. **1912**: 223 (1912).  
*Tripterygium Wilfordi* sensu Regel in Gartenfl. **18**: 105, t. 612 (1869), non Hooker f. (1862).

#### Fam. STAPHYLEACEAE

STAPHYLEACEAE (DC.) Lindley, Syn. Brit. Fl. **75** (1829). — Bartling, Ord. Nat. Pl. **381** (1830). — J. Krause in Nat. Pflanzenfam., ed. 2, **20b**: 255 (1942).  
*Frangulaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. **4,2**: 619 (1805), p. p.  
*Celastrineae* trib. *Staphyleaceae* De Candolle, Prodr. **2**: 2 (1825).  
*Sapindaceae* b. *Sapindeae* a. *Staphylaceae* Reichenbach, Consp. Reg. Veg. **200** (1828), nom. subnud.; Fl. Germ. Excurs. **2**: 769 (1832) "*Staphyleaceae*".  
*Celastraceae* Horaninov, Prim. Lin. Syst. Nat. **95** (1834), p. p. quoad *Staphylea*.  
*Celastraceae* . . . *Staphylidae* Burnett, Outl. Bot. **2**: 614, 617, 621 (1835).  
*Ochranthaceae* Lindley, Nat. Syst. Bot. ed. 2, **78** (1836).  
*Sapindaceae* i. *Zygophylleae* c. *Staphylaceae* Reichenbach, Handb. Nat. Pflanzensyst. **285** (1837); Repert. Herb., Nomencl. Gen. Pl. **198** (1841) "*Staphyleae*".  
*Celastraceae* subord. *Staphyleae* Gray, Bot. Text-book, **257** (1842).  
*Simabaceae* trib. *Staphyleinae* Horaninov, Char. Ess. Fam. Reg. Veg. **180** (1847).  
*Sapindaceae* subord. *Staphyleaceae* Gray, Introd. Struct. Syst. Bot. ed. 5, **409** (1858).  
*Sapindaceae* subord. *Staphyleae* Bentham & Hooker f., Gen. Pl. **1**: 392 (1862).  
*Celastraceae* subfam. *Staphylaeoideae* A. Braun in Ascherson, Fl. Prov. Brandenb. **1**: 52 (1864).  
*Sapindaceae* subord. *Staphyleineae* A. Gray in Proc. Am. Acad. Arts Sci. **11**: 73 (1876). — Robinson in A. Gray, Syn. Fl. N. Am. **1,1**: 432 (1897) "*Staphylinae*".  
*Sapindaceae* 5. *Staphylinae* Drude in A. Schenk, Handb. Bot. **3,2**: 390 (1887).

**STAPHYLEA** Linnaeus, Sp. Pl. **270** (1753); Gen. Pl. ed. 5, **130**, no. 336 (1754) "*Staphylaea*". — Bentham & Hooker f., Gen. Pl. **1**: 412 (1862).

*Staphylodendron* Miller, Gard. Dict. abridg. ed. **4**, **3** (1754). — Moench, Meth. Pl. **64** (1794) "*Staphylodendrum*".

*Staphylaea* Allioni in Misc. Philos.-Math. Soc. Taurin. **2**: 68 (1761).

*Staphylaea* Weston, Bot. Univ. **1**: 286 (1770).

*Staphylodendron* Scopoli, Fl. Carniol. ed. 2, **1**: 223 (1772).

*Staphyllaea* Scopoli, Introd. Hist. Nat. **253** (1777).

*Bumalda* Thunberg, (praeses; resp. J. G. Lodin), Diss. Nov. Gen. Pl. **3**: 63 (1783).

*Staphilea* Necker, Elem. Bot. **2**: 300 (1790). — Medicus, Beytr. Pflanz.-Anat. **401** (1800).

*Staphyllea* J. Rein in Petermann Geogr. Mitt. **25**: 375 (1879).

*Staphylis* St.-Lager in Ann. Soc. Bot. Lyon, **8**: 159 (1881).

*Staphyllia* Knowlton in Proc. U. S. Nat. Mus. **51**: 295 (1917).

LECTOTYPUS: *S. pinnata* L.

**S. pinnata** Linnaeus, Sp. Pl. **270** (1753). — Weston, Bot. Univ. **1**: 286 (1770) "*Staphylaea p.*" — Schneider, Ill. Handb. Laubh. **2**: 191, fig. 123 (1907).

*Staphylodendron pinnatum* Crantz, Inst. Rei Herb. **2**: 438 (1766). — Moench, Meth. Pl. **64** (1794) "*Staphylodendrum p.*"

*Staphylodendron pinnatum* Scopoli, Fl. Carniol. **1**: 223 (1772).

**S. colchica** Steven in Bull. Soc. Nat. Moscou, **1848**[2]: 276 (1848).

*Staphylea colchica* f. *paniculata* Valckenier Suringar in Meded. Rijks Hoog. Land-Boschbouwsch. **3**: 189 (1910), nom.

**S. colchica** var. **Kochiana** Medvedef, Derev. Kustarn. Kavk. [Trees Shrubs Cauc.] **36** (1883). — Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 78 (1897).

*Staphylea colchica* sensu K. Koch, Dendr. **1**: 517 (1869), p. p.; non Steven (1848).

*Hooibrenckia formosa* Hort. ex [Wittmack in] Garten-Zeit. **3**: 340, fig. 110 (1884), pro syn.

*Staphylea colchica* a. *lasiantha* Dippel, Handb. Laubh. **2**: 475 (1892).

?*Staphylea colchica* var. *Hooibrencki* Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 78 (1897).

**S. colchica** var. **laxiflora** Valckenier Suringar, Gids Arb. Landbouwh. Wagen. ed. 2, [Suppl.] **3** (1920). — Baas-Becking in Meded. Rijks Landbouwhooogesch. **18**: 83, t. 67 (1920); Mitt. Deutsch. Dendr. Ges. **1921**(31): 124, fig. (1921) "*Staphylaea*".

*Staphylea colchica* f. *racemosa* Valckenier Suringar in Meded. Rijks Hoog. Land- Boschbouwsch. **3**: 189 (Arb. Rijks Hoog. Land-Boschbouwschool, **71**) (1910), nom.

**S. colchica** f. **grandiflora** Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 78 (1897).

**S. colchica** var. **Coulombieri** (André) Zabel in Mitt. Deutsch. Dendr. Ges. **1897**(6): 78 (1897).

*Staphylea* × *Coulombieri* André in Rev. Hort. **1887**: 462 (1887) "*S. pinnata* × *colchica*."

**S. elegans** (*S. colchica* × *pinnata*) Zabel in Gartenfl. **37**: 499 (1888).

**S. elegans** var. **Hessei** Zabel in Mitt. Deutsch. Dendr. Ges. **1898**(7): 36 (1898). — Schneider in Gartenschönh. **16**: 126 (1935).

*Staphylea Hessei* Hort. ex Pollanetz in Möller's Deutsch. Gärt.-Zeit. **48**: 253, 254 (1933).

**Staphylea** (*continued*)

- S. holocarpa** Hemsley in Kew Bull. **1895**: 15 (1895). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 185 (1915). — Rehder in Jour. Arnold Arb. **15**: 1 (1934).  
*Staphylea Emodi* sensu Diels in Bot. Jahrb. **36**, Beibl. **82**: 73 (1905), non Hooker f. (1875).  
*Xanthoceras enkianthiflora* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 534 (1913); Fl. Kouy-Tchéou, 50 (1914) "*Zanthoceras* e."  
*Tecoma Cavaleriei* Léveillé, Fl. Kouy-Tchéou, 50 (1914).
- S. holocarpa** var. *rosea* Rehder & Wilson in Sargent, Pl. Wilson. **2**: 186 (1915).
- S. trifolia** Linnaeus, Sp. Pl. **270** (1753). — Britton & Brown, Ill. Fl. N. U. S. **2**: 396, fig. 2371 (1897).  
*Staphylo dendron trifoliatum* Crantz, Inst. Rei Herb. **2**: 438 (1766). — Moench, Meth. Pl. **64** (1794) "*Staphylo dendrum* t."  
*Staphylaea trifoliata* Weston, Bot. Univ. **1**: 286 (1770).  
*?Staphylaea serratifolia* W. Young, Cat. Arb. Arbust. Am. **24** (1783), nom.  
*Staphylea trifoliata* Roth, Bot. Abhandl. **29** (1787).  
*Staphylea trifoliata* a. *typica* Zabel in Gartenfl. **37**: 530 (1888).  
*Staphylea trifolia* var. *typica* Schneider, Ill. Handb. Laubh. **2**: 190 (1907).
- S. trifolia** var. *pauciflora* (Zab.) Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1718 (1902).  
*Staphylea trifoliata* β. *pauciflora* Zabel in Gartenfl. **37**: 530 (1888).
- S. emodi** Wallich, Num. List, no. 4275 [1830], nom. — Brandis, For. Fl. India, **114** (1874). — Schneider, Ill. Handb. Laubh. **2**: 190, fig. 120b (1907).
- S. Bolanderi** Gray in Proc. Am. Acad. Arts Sci. **10**: 69 (1874). — Jepson, Fl. Calif. **2**: 451 (1936).
- S. Bumalda** De Candolle, Prodr. **2**: 2 (1825). — Siebold & Zuccarini, Fl. Jap. **1**: 180, t. 95 [1841].  
*Bumalda trifolia* Thunberg (praeses; resp. J. G. Lodin), Diss. Nov. Gen. Pl. **3**: 63 (1783); Fl. Jap. **114** (1784).  
*Bumalda trifoliata* Lamarck, Encycl. Méth. Bot. **1**: 514 [1785].  
*Staphylea Bumalda* var. *typica* Nakai in Jour. Jap. Bot. **15**: 683 (1939).
- EUSCAPHIS** Siebold & Zuccarini, Fl. Jap. **1**: 125 [1840]. — Bentham & Hooker f., Gen. Pl. **1**: 412 (1862). — Nom. ad conservandum proponendum.  
*Hebokia Rafinesque*, Alsograph. **47** (1838), nom. prius.  
 TYPUS: *E. staphyleoides* Sieb. & Zucc. = *E. japonica* (Thunb.) Kanitz.
- E. japonica** (Thunb.) Kanitz in Természetr. Füzet. **3**: 157 (Anthoph. Jap. **24**) (1878). — Dippel, Handb. Laubh. **2**: 480 (1892). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 187 (1915).  
*Sambucus japonica* Thunberg, Fl. Jap. **125** (1784).  
*Hebokia japonica* (Thunb.) Rafinesque, Alsograph. **47** (1838).  
*Euscaphis staphyleoides* Siebold & Zuccarini, Fl. Jap. **1**: 124, t. 67 [1840].  
*Evodia Chaffanjoni* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 265 (1914).
- TAPISCIA** Oliver in Hooker's Icon. Pl. **20**: t. 1928 (1890).  
 TYPUS: *T. sinensis* Oliv.

**T. sinensis** Oliver, l. c. (1890). — Chun, Chin. Econ. Trees, **224**, fig. 80 (1922).

Fam. **ACERACEAE**

**ACERACEAE** Jaume St. Hilaire, Expos. Fam. Nat. Pl. **2**: 15, t. 73 (1805), exclud. gen. nonnull. — Lindley, Nat. Syst. Bot. ed. 2, **81** (1836). — Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 89 p., fig., 2 maps (1902).  
*Acerineae* [Jussieu in Ann. Mus. Hist. Nat. Paris, **18**: 477 (1811) "Acerinées". —] De Candolle, Prodr. **1**: 593 (1824).  
*Sapindaceae* c. *Paullinieae* c. *Acereae* Reichenbach, Consp. Reg. Veg. **201** (1828), nom. subnud.; Handb. Nat. Pflanzensyst. **285** (1837) "S. 2. P. 2 c. A".  
*Sapindaceae* trib. *Acerariae* Horaninov, Char. Ess. **182** (1847).  
*Sapindaceae* subord. *Acerineae* Gray, Introd. Struct. Syst. Bot. ed. 5, **410** (1858). — Bentham & Hooker f., Gen. Pl. **1**: 409 (1862).  
*Sapindaceae* 1. *Acerinae* Drude in A. Schenk, Handb. Bot. **3.2**: 390 (1887).  
*Sapindaceae* subfam. *Aceroideae* A. Braun in Ascherson, Fl. Prov. Brandenb. **1**: 52 (1864).

**DIPTERONIA** Oliver in Hooker's Icon. Pl. **29**: t. 1898 (1889). — Rehder in Jour. Arnold Arb. **15**: 4 (1934). — Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 14 (Monog. Chin. Acer) (1939).  
 TYPUS: *D. sinensis* Oliv.

**D. sinensis** Oliver, l. c. (1889).  
*Acer Dielsii* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 432 (1915). — Rehder in Jour. Arnold Arb. **15**: 4 (1934), pro syn.

**ACER** Linnaeus, Sp. Pl. **1054** (1753); Gen. Pl. ed. 5; **474**, no. 1023 (1754). — Bentham & Hooker f., Gen. Pl. **1**: 409 (1862). — Pax in Bot. Jahrb. **6**: 287–383 (1885); **7**: 177–263 (1886); **11**: 72–83 [1889?]; **16**: 393–404 (1893). — Schwerin in Mitt. Deutsch. Dendr. Ges. **1893** (5): 78–81, fig. (1893), var. novae imperfecte notae. — Schmucker in Silva Orbis, **5**: maps 193–218 (1942).  
 LECTOTYPUS: *A. Pseudo-Platanus* L.

Sect. I. **ACER** (L.), sect. nov.

*Acer* Linnaeus, Sp. Pl. **1054** (1753), p. p., *A. Negundo* exclud.  
*Euacer* Opiz, Seznam Rostl. Květ. Česk. **42** (1852), nom. subnud.\*  
*Acer* §. "Acer proper" Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, **558** (1908).

Ser. 1. **PLATANOIDEA** (Pax), grad. nov.

*Acer* sect. *Platanoides* Pax in Bot. Jahrb. **6**: 327 (1885).

**A. platanoides** Linnaeus, Sp. Pl. **1055** (1753). — Pax in Bot. Jahrb. **7**: 239 (1886); in Engler, Pflanzenreich, IV. **163** (Heft 8): 49, fig. 8 (1902). — Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. **86**: 98, t. 24 (1936).  
*Acer platanoides* a. *lobatum* Aiton, Hort. Kew. **3**: 435 (1789).  
*Acer platanifolium* Stokes, Bot. Nat. Med. **2**: 382 (1812).  
*Euacer platanoides* Opiz, Seznam Rostl. Květ. Česk. **42** (1852).

\* Under this generic name besides *E. molle* and *E. affine*, are enumerated many other alternative binary names of *Acer*, mostly as nomina nuda and subnuda, apparently referable either to *A. platanoides* L. or to *A. campestre* L.; they are not cited here, as they cannot be referred with certainty to a definite species or variety. *Acer Pseudo-Platanus* generally considered the type of the genus is retained under *Acer*, though the name *Euacer* would indicate that it represents the typical part of the segregate.

- Acer rotundum* Dulac, Fl. Dép. Haut.-Pyrén. 242, fig. 26 (1867).  
*Acer laetum* ? var. *cordifolium* Uechtritz & Sintenis ex Kanitz, Pl. Roman. Enum. 188 [1880], nom.  
*Acer platanoides* var. *typicum* Pax in Bot. Jahrb. 7: 240 (1886).  
*Acer Dobrudschae* Pax in Bot. Jahrb. 7: 238 (1886).  
*Acer fallax* Pax, l. c. (1886).  
*Acer platanoides* var. *typicum* subvar. *rubellum* f. *i. normale* Schwerin in Gartenfl. 42: 559 (1893).  
*Acer platanoides* subsp. *eu-platanoides* Gams in Hegi, Ill. Fl. Mittel-Eur. 5,1: 282 (1924).
- A. platanoides f. variegatum** (West.), grad. nov.  
*Acer platanoides* 2. *variegatum* Weston, Bot. Univ. 1: 1 (1770).—Borkhausen, Vers. Forstbot. Besch. Holzart. 44 (1790).—Loudon, Arb. Brit. 1: 409 (1838) "var."  
*Acer platanoides* \*\* *albo-variegatum* Hayne, Fl. Dendr. 215 (1822).  
*Acer platanoides quadricolor* hort. Zoesch. ex Dieck, Haupt-Kat. Zösch, 19 (1885).  
*Acer platanoides Walderseei* Späth, [Kat.] no. 116: 73 (1904).
- A. platanoides f. rubrum** (Herd.) Pax in Bot. Jahrb. 7: 240 (1886) "var. *typicum* F. rubra".  
*Acer platanoides* β. *rubrum* Herder in Gartenfl. 16: 163, t. 545 (1867).—[Morren in] Belg. Hort. 18: 39, t. 4 (1868).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 50 (1902) "var. *coloratum* subvar. *rubrum*".  
*Acer platanoides* var. *Reitenbachii* Reitenbach ex Caspary in Schrift. Phys.-ökon. Ges. Königsb. 15: 30, 81 (1874).—Nicholson in Gard. Chron. ser. 2, 15: 565 (1881).—Schwerin in Gartenfl. 42: 561 (Var. *Acer*, 51) (1893) "f."  
*Acer platanoides nigrum* hort. am. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 316 (1903), pro syn.  
*Acer platanoides Youngi* hort. (Maurice) ex Schelle, l. c. (1903), pro syn.
- A. platanoides f. Schwedleri** (K. Koch) Schwerin in Gartenfl. 42: 561 (Var. *Acer*, 51) (1893) "var. *coloratum* subvar. *rubrum* f. *S.*"  
*Acer Schwedleri* K. Koch, Dendr. 1: 530 (1869), pro syn.  
*Acer platanoides* var. *Schwedleri* Hartwig & Rümpler, Bäume & Sträuch. 50 (1875).—Nicholson in Gard. Chron. ser. 2, 15: 565, fig. 106 (1881).  
*Acer platanoides* (var.) f. *purpurascens* Willkomm, Forstl. Flora, 741 (1875).
- A. platanoides f. Stollii** Schwerin in Gartenfl. 42: 587, fig. 33 (Var. *Acer*, 56) (1893) "var. *hederifolium* f. *S.*"  
*Acer platanoides* "Oeconomierath Stoll" Spaeth, Haupt-Preis-Verz. 76: 2 (1889); 118: 74 (1905) "Oekonomierath Stoll."  
*Acer platanoides* var. *Stollii* Simon-Louis ex Bean, Trees Shrubs Brit. Isl. 1: 155 (1914) "var."
- A. platanoides f. laciniatum** (Lauth) Schwerin in Gartenfl. 42: 586, fig. 25 (Var. *Acer*, 55) (1893) "var. *crispum* Spach subvar. *cuneatum* f. *l.*"  
*Acer laciniatum* Lauth, Diss. de Acere, 23 (1781).—Lodiges, Cat. Pl. Seeds, 12 (1777) ex Du Roi in Schrift. Ges. Naturf. Fr. Berlin, 5: 217, t. 4 (1784).  
*Acer platanoides* β. *laciniatum* Aiton, Hort. Kew. 3: 435 (1789).  
*Acer platanoides lacinosum* Desfontaines, Tabl. École Bot. 136 (1804), nom.  
*Acer Lobelii* var. *B. Tenore* in Atti Accad. Sci. Napoli, 3: 21 (Mem. Acero Lobel, 21) (1832).
- A. platanoides f. crispum** (Lauth), grad. nov.  
*Acer crispum* Lauth, Diss. de Acere, 23 (1781).  
*Acer platanoides a. crispum* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 168 (1834).  
*Acer platanoides* var. *cucullatum* Nicholson in Gard. Chron., n. ser. 15: 564 (1881).—Schwerin in Gartenfl. 42: 586, fig. 24 (Var. *Acer*, 55) (1893) "var. *crispum* subvar. *c.*"
- A. platanoides f. palmatifidum** (Tausch) Dansereau in Naturaliste Canad. 72: 125 (1945).  
*Acer platanoides γ. palmatifidum* Tausch in Flora, 12: 548 (1829).  
*Acer platanoides* β. *palmatipartitum* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 168 (1834).  
*Acer platanoides dissectum* David in Rev. Hort. sér. 2, 4: 46 (1845).—Jacques in Jacques & Herincq, Man. Pl. 1: 254 (1847) "var."—Schwerin in Gartenfl. 42: 586, fig. (1893) "var. *palmatifidum* f. *d. Jacquin* f. (Hort. Vind.)" \*  
*Acer platanoides multifidum* in Bon Jard. (1845), ex David in Rev. Hort. (1845), pro syn.  
*Acer platanoides palmatum* K. Koch, Dendr. 1: 530 (1869).
- A. platanoides f. Lorbergii** [Overeijnder] Schwerin in Gartenfl. 42: 586, fig. 23 (Var. *Acer*, 55) (1893) "var. *palmatifidum* f. *L. van Houtte* (Kat.)"  
*Acer Lorbergii* Overeijnder in Sieboldia, 7: 372 (1881).  
*Acer platanoides* var. *palmatum* Bean, Trees Shrubs Brit. Isl. 1: 155 (1914), non K. Koch (1869).
- A. platanoides f. columnare** [Carr.] Schwerin in Gartenfl. 42: 560 (Var. *Acer*, 50) "var. *typicum* subvar. *rubellum* f. *c.*"  
*Acer platanoides columnare* Carrière in Rev. Hort. 1878: 346 (1878).  
*Acer platanoides nanum* Dippel, Handb. Laubh. 2: 450 (1892), in textu.—Schwerin in Gartenfl. 42: 560 (Var. *Acer*, 49) (1893) "f."  
*Acer platanoides pyramidale* Dippel, Handb. Laubh. 2: 450 (1892), nom. subnud.  
*Acer platanoides nanum-pyramidale* hort. ex Schwerin, l. c. (1893), pro syn.  
*Acer platanoides pyramidale compressum* hort. bat. ex Schwerin, l. c. (1893), pro syn.
- A. platanoides f. erectum** Slavin in Am. Midland Nat. 12: 225 (1931).—D. Wyman in Am. Nurseryman, 83, 12: 7, fig. (1946) "*A. pl. e.*"  
*Acer platanoides ascendens* L. C. Chadwick in Am. Nurseryman, 73, 9: 12, fig. (1946).
- A. platanoides f. globosum** [Nichols.] Schwerin in Gartenfl. 42: 560 (Var. *Acer*, 50) (1893) "var. *typicum* subvar. *rufum* f. *g.*"  
*Acer platanoides* var. *globosum* Nicholson in Gard. Chron. ser. 2, 15: 564 (1881).  
*Acer platanoides compacta* Paillet [ex Regel] in Gartenfl. 35: 117 (1886).
- A. Dieckii** (*A. Lobelii* × *platanoides*) Pax in Bot. Jahrb. 16: 402 [1892]; in Engler, Pflanzenreich IV. 163 (Heft 8): 49 (1902).  
*Acer Lobelii* var. *Dieckii* Pax in Bot. Jahrb. 7: 238 (1886).

\* Schwerin cites as author Jacquin f. (Hort. Vind.) but neither in the works of the older Jacquin who, and not the younger, is the author of Hortus Vindobonensis, is the name in question to be found; the author cited is probably a mistake for Jacques who published in 1847 (l. c.) the combination *A. platanoides* var. *dissectum* with *A. palmatifidum* Tausch as a synonym.



**Acer Dieckii** (continued)

*Acer platanoides* var. *integrilobum* Zabel in Gartenfl. **36**: 431, fig. 107, 108 (1887), non Tausch (1829).

*Acer Dieckii* f. *integrilobum* Schwerin in Gartenfl. **42**: 460 (Var. *Acer*, 50) (1893).

**A. Miyabei** Maximowicz in Bull. Acad. Sci. St. Pétersb. **32**: 485 (in Mém. Biol. **12**: 725) (1888).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 46 (1902).

**A. truncatum** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 84 (Enum. Pl. Chin. Bor. 10. 1833) (1835).—Rehder in Sargent, Trees & Shrubs, **1**: 151, t. 76 (1905); in Jour. Arnold Arb. **7**: 215 (1926).

*Acer laetum* β. *truncatum* Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 217 (in Mém. Biol. **2**: 601) (1857).

*Acer Lobelii* subsp. *truncatum* Wesmael in Bull. Soc. Bot. Belg. **29**: 56 (1890).

*Acer truncatum* var. *nudum* f. *typicum* Schwerin in Mitt. Deutsch. Dendr. Ges. **1896**(5): 81 (1896).

*Acer platanoides* subsp. *truncatum* Gams in Hegi, Ill. Fl. Mittel-Eur. **5**, **1**: 282 (1924).

**A. Mono** Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 126 (in Mém. Biol. **2**: 416) (1857).—Rehder in Jour. Arnold Arb. **19**: 80 (1938).

*Acer pictum* Thunberg, Fl. Jap. 162 (1784), sensu lato; non Thunberg (1783).

?*Acer truncatum* var. *pilosum* (f.) *barbinerve* Schwerin, l. c. (1896).

?*Acer truncatum* var. *pilosum* f. *albo-variegatum* Schwerin, l. c. (1896).

*Acer laetum* var. *parviflorum* Regel in Bull. Acad. Sci. St. Pétersb. **15**: 219 (in Mém. Biol. **2**: 486) (1857).

*Acer pictum* γ. Maximowicz in Bull. Acad. Sci. St. Pétersb. **26**: 443 (in Mém. Biol. **10**: 600) (1880).

*Acer pictum* var. *Mono* Maximowicz ex Franchet in Nouv. Archiv. Mus. Hist. Nat. Paris, sér. 2, **5**: 229 (Pl. David. **1**: 77. 1884) (1883).—Pax in Bot. Jahrb. **7**: 236 (1886); in Engler, Pflanzenreich, IV. **163**(Heft 8): 47 (1902) "var. *typicum* Schwerin subvar. *mono*".

*Acer pictum* var. *typicum* Pax, l. c. (1902).

*Acer Hayatae* var. *glabra* Léveillé & Vaniot in Bull. Soc. Bot. France, **53**: 590 (1906).—Rehder in Jour. Arnold Arb. **15**: 5 (1934), pro syn.

*Acer pictum* var. *parviflorum* Schneider, Ill. Handb. Laubh. **2**: 225 (1907).—Rehder in Jour. Arnold Arb. **7**: 216 (1926), cum syn. multis.

*Acer platanoides* subsp. *pictum* Gams in Hegi, Ill. Fl. Mittel-Eur. **5**, **1**: 282 (1924).

**A. Mono** f. *connivens* (Nichols.) Rehder in Jour. Arnold Arb. **19**: 81 (1938).

*Acer pictum* Siebold & Zuccarini in Abh. Phys.-Math. Akad. Wiss. Münch. **42**: 156 (Fl. Jap. Fam. Nat. **1**: 48) (1845), p. p.

*Acer pictum* var. *connivens* Nicholson in Gard. Chron. ser. 2, **16**: 375 (1881).

*Acer pictum* var. *eupictum* Pax in Bot. Jahrb. **7**: 236 (1886).

**A. Mono** f. *marmoratum* (Nichols.) Rehder in Jour. Arnold Arb. **19**: 81 (1938).

*Acer pictum* Thunberg, Fl. Jap. 162 (1784), non Thunberg (1783).

*Acer pictum* var. *marmoratum* Nicholson in Gard. Chron. ser. 2, **16**: 375 (1881).

**A. Mono** f. *dissectum* (Wesm.), grad. nov.

*Acer pictum* var. γ. *dissectum* Wesmael in Bull. Soc. Bot.

Belg. **29**: 56 (1890).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 47 (1902).

*Acer pictum angustilobum* Makino ex Pax, l. c. (1902), pro syn.

*Acer mono* var. *dissectum* Honda in Bot. Mag. Tokyo, **46**: 37 (1932).

**A. Mono** f. *subtrifidum* (Makino), grad. nov.

*Acer pictum* var. *dissectum* subvar. *subtrifidum* Makino in Tokyo Bot. Mag. **18**: 114 (1894).

*Acer Mono* var. *subtrifidum* (Makino) Honda in Tokyo Bot. Mag. **46**: 372 (1932).

**A. Mono** var. *tricuspis* (Rehd.) Rehder in Jour. Arnold Arb. **19**: 82 (1938).

*Acer tenellum* Pax in Hooker's Icon. Pl. **19**: t. 1897 (1889); in Engler, Pflanzenreich, IV. **163**(Heft 8): 53, fig. 9 (1902).

*Acer Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 433 (1912).

*Acer pictum* var. *parviflorum* f. *tricuspis* Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 258 [1914]; in Jour. Arnold Arb. **15**: 5 (1934).

*Acer mono* f. *tricuspis* Fang in Contrib. Biol. Lab. Sci. Soc. China. **11**: 34 (1939).

**A. Mono** f. *ambiguum* (Pax) Rehder in Jour. Arnold Arb. **20**: 416 (1939).

*Acer ambiguum* Dippel, Handb. Laubh. **2**: 457, fig. 218 (1892), non Heer (1878).

*Acer pictum* var. *ambiguum* Pax in Bot. Jahrb. **16**: 401 (1892).

*Acer Dippeli* Schwerin in Gartenfl. **42**: 460 (Var. *Acer*, 48) (1893).

*Acer pictum* var. *Paxii* Schwerin f. *Eu-Paxii* Schwerin in op. cit. 458 (47) (1893).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 47 (1902).

*Acer Mono* var. *Paxii* Honda in Bot. Mag. Tokyo, **45**: 43 (1931).

**A. Okamotoanum** Nakai in Bot. Mag. Tokyo, **31**: 28 (1917); Rep. Veget. Ooryongto, Corea, 38, fig. (p. 37<sup>2</sup>, 39, 71<sup>1</sup>, 75<sup>2</sup>, 77<sup>4</sup>) (1919).

*Acer Okamotoi* Nakai, Fl. Sylv. Kor. **1**: 13, t. 7 (1915), quoad fruct.

**A. fulvescens** Rehder in Sargent, Pl. Wilson. **1**: 84 (1911).

**A. Mayrii** Schwerin in Mitt. Deutsch. Dendr. Ges. **1901** (10): 58 (1901).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 76 (1902).

*Acer pictum* var. *Mayrii* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **3**: 662 (1908).—Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 63, t. 32, fig. 8, 9 (1911) "a. *typicum* subvar. *M.*"

**A. cappadocicum** Gleditsch in Schrift. Ges. Naturf. Fr. Berlin, **6**: 116, t. 2 (1785).—Rehder in Sargent, Pl. Wilson. **1**: 84 (1911).

*Acer monspessulanum* var. β. Linnaeus, Sp. Pl. 1056 (1753), p. p. quoad syn. Tournefort.

*Acer laetum* C. A. Meyer, Verz. Kauk. Pflanz. 206 (1831).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 48 (1902).

*Acer colchicum* Booth ex Gordon in Gard. Mag. (London), n. ser., **6**: 632 (1840).

*Acer colchicum viride* Hesse, Kat. (1888) ex Pax, l. c. (1902), pro syn.

*Acer Lobelii* subsp. *laetum* var. *a. colchicum* Pax in Bot. Jahrb. **7**: 237 (1886).

- Acer laetum* var. *colchicum* f. *viride* (Hesse) Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 48 (1902).  
*Acer platanoides* subsp. *laetum* Gams in Hegi, Ill. Fl. Mittel-Eur. 5, 1: 282 (1924).  
*Acer platanoides* subsp. *laetum* f. *viride* (Hesse) Gams, l. c. (1924).
- A. cappadocicum** f. *rubrum* (Kirchn.) Rehder in Jour. Arnold Arb. 3: 216 (1922).  
*Acer laetum* 2. *rubrum* Kirchner in Petzold & Kirchner, Arb. Muscav. 193 (1864).—Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 7, 15, 2: 281 (Fl. Caucas.) (1869) "var. *rubra*."  
*Acer colchicum* *rubrum* Hort. ex Kirchner, l. c. (1864), pro syn.  
*Acer pictum* var. *rubrum* Nicholson in Gard. Chron. ser. 2, 16: 375 (1881).  
*Acer Lobelii* subsp. *laetum* var. *colchicum* f. *horticola* Pax in Bot. Jahrb. 7: 237 (1886).  
*Acer laetum* var. *colchicum* f. *rubrum* hort. ex Schwerin in Gartenfl. 42: 459 (Var. *Acer*, 47) (1893).  
*Acer laetum* var. *colchicum* f. *horticola* Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 48 (1902).  
*Acer pictum* var. *colchicum* *rubrum* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 3: 661 (1908).  
*Acer cappadocicum* f. *horticola* Rehder in Sargent, Pl. Wilson. 1: 86 (1911).  
*Acer cappadocicum* var. *rubrum* [Nash] in Jour. New York Bot. Gard. 20: 87 (1919), nom.  
*Acer platanoides* subsp. *laetum* f. *horticola* Gams in Hegi, Ill. Fl. Mittel-Eur. 5, 1: 282 (1924).
- A. cappadocicum** f. *tricolor* [Carr.] Rehder in Sargent, Pl. Wilson. 1: 86 (1911).  
*Acer colchicum* *tricolor* Carrière in Rev. Hort. 1886: 371 (1886).—Pynaert in Rev. Hort. Belg. 12: 217, t. (1886).  
*Acer laetum* var. *colchicum* f. *tricolor* (hort.) Schwerin in Gartenfl. 42: 459 (Var. *Acer*, 48) (1893).—Pax in Engler, Pflanzenreich IV. 163 (Heft 8): 48 (1902).  
*Acer pictum* var. *variegatum* Bean, Trees Shrubs Brit. Isl. 1: 154 (1914).
- A. cappadocicum** var. *sinicum* Rehder in Sargent, Pl. Wilson. 1: 85 (1911).  
*Acer laetum* var. *β. cultratum* Pax in Engler, Pflanzenreich IV. 163 (Heft 8): 48 (1902), p. p.; non *A. c.* Wallich (1831).
- A. cappadocicum** f. *tricaudatum* (Rehd.) Rehder in Sargent, Pl. Wilson. 1: 86 (1911).  
*Acer laetum* var. *tricaudatum* Rehder in Sargent, Trees & Shrubs, 1: 178 (1905).  
*Acer pictum* var. *tricaudatum* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 3: 661 (1908).
- A. Lobelii** Tenore, Cat. Pl. Hort. Neapol. app. 2, 69 (1819); in Atti Accad. Sci. Napoli, 3 (Mem. Cl. Fis. Stor. Nat.): 21, t. 1 (Mem. Acero Lobel) (1832), read Nov. 1823. —Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 47 (1902).  
*Acer platanoides* var. *integrilobum* Tausch in Flora, 12: 548 (1829).  
*Acer platanoides* var. *δ. Lobelii* Wesmael in Belg. Hort. 9: 350 (1859).—Parlatore, Fl. Ital. 5: 401 (1873).—Gams in Hegi, Ill. Fl. Mittel-Eur. 5, 1: 282 (1924) "subsp."  
*Acer Lobelii* subsp. *Tenorei* Pax in Bot. Jahrb. 7: 237 (1886).  
*Acer aetnense* Hort. ex Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 47 (1902), pro syn.
- A. longipes** Franchet ex Rehder in Sargent, Trees & Shrubs, 1: 178 (1905); in Repert. Sp. Nov. Reg. Veg. 1: 6 (1905); in Sargent, Pl. Wilson. 1: 88 (1911).—Rehder in Jour. Arnold Arb. 7: 218 (1926).  
*Acer laetum* var. *tomentosulum* Rehder in Sargent, Trees & Shrubs, 1: 178 (1905); in Repert. Sp. Nov. Reg. Veg. 1: 6 (1905).
- A. amplum** Rehder in Sargent, Pl. Wilson. 1: 86 (1911).
- A. catalpifolium** Rehder in op. cit. 87 (1911).
- Ser. 2. **CAMPESTRIA** (Pax), grad. nov.  
*Acer* sect. *Campestris* Pax in Bot. Jahrb. 6: 327 (1885).  
*Acer* sect. *Goniocarpa* Poyarkova in Act. Inst. Bot. Acad. Sci. U. R. S. S. ser. 1, 1: 347 (1933).
- A. orientale** Linnaeus, Syst. Nat. ed. 10, 2: 1300 (1759).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 64, fig. 11 (1902).  
*Acer creticum* Linnaeus, Sp. Pl. ed. 2, 1497 (1763).—Boissier, Fl. Or. 1: 950 (1867).  
*Acer sempervirens* Linnaeus, Mant. Pl. 128 (1767).  
*Acer virens* Thunberg, Diss. de Acere (resp. J. L. Aschan) 13 (1793); in Diss. Acad. Upsal. 2: 340, 346 (1800).  
*Acer heterophyllum* Willdenow, Berlin. Baumz. 10, t. 1, fig. 1 (1796).  
*Acer humile* Salisbury, Prodr. Stirp. Chap. Allert. 281 (1796).  
*Acer obtusifolium* Sibthorp & Smith, Fl. Graec. Prodr. 1: 206 (1806); Fl. Graeca, 4: t. 361 (1828).  
*Acer Willkommii* Wettstein in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, 1889: 384 (1890).  
*Acer monspessulanum* subsp. *orientale* Wesmael in Bull. Soc. Bot. Belg. 29: 50 (1890).
- A. syriacum** Boissier & Gaillardot in Boissier, Diagn. Pl. Or. sér. 2, 5: 72 (1856).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 63 (1902).  
*Acer syriacum* var. *a. eusyriacum* Pax in Bot. Jahrb. 7: 232 (1886).  
*Acer monspessulanum* subsp. *syriacum* Wesmael in Bull. Soc. Bot. Belg. 29: 50 (1890).
- A. cinerascens** Boissier, Diagn. Pl. Or. Nov. sér. 1, 6: 29 (1845).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 63 (1902).  
*Acer canescens* Bornmüller ex Stapf in Jour. Linn. Soc. Lond. Bot. 30: 141 (1894), nom. sine autore; sphalm. pro *A. cinerascens*?  
*Acer cinerascens* var. *Boissieri* f. *typicum* Schwerin in Mitt. Deutsch. Dendr. Ges. 1898(7): 49, t. (Beitr. *Acer*, 5: 113) (1898).
- A. monspessulanum** Linnaeus, Sp. Pl. 1056 (1753).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 61 (1902). —Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. 86: 103, t. 29 (1936).  
*Acer trilobatum* Lamarck, Encycl. Méth. Bot. 2: 382 (1786).  
*Acer trilobum* Moench, Meth. Pl. 56 (1794), non Gilibert (1781).  
*Acer rectangulatum* Dulac, Fl. Haut.-Pyrén. 242 (1867).  
*Acer monspessulanum* f. *genuinum* Pax in Bot. Jahrb. 7: 229 (1866).—Rouy & Foucaud, Fl. France, 4: 152 (1897) "a."
- A. campestre** Linnaeus, Sp. Pl. 1055 (1753).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 55 (1902). —Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. 86: 99, t. 4 (1936).  
*Acer trilobum* Gilibert, Fl. Lithuan. 2: 198 (1781); Exerc.

**Acer campestre** (continued)

- Phytol. (Suppl. Syst. Pl. Eur.) 2: 327 (1790) "*trilobus*".  
*Acer suberosum* Dumortier, Florula Belg. 113 (1827).  
*Acer collinum* Tenore, Syll. Fl. Neapol. 194 (1831).  
*Acer sylvestre* Wenderoth in Schrift. Naturf. Ges. Marburg, 2: 250 (1831).  
*Euacer campestre* Opiz, Seznam Rostl. Květ. Česk. 42 (1852).  
 ?*Euacer sudeticum* (p. 63), *E. sharkense*, *E. rubrotinctum* Opiz in Lotos Zeitschr. Naturwiss. 3: 68 (1853).  
*Acer campestre* subsp. *leiocarpum* var. *normale* Schwerin in Gartenfl. 42: 328 (Var. *Acer*, 33) (1893).
- A. campestre** var. **hebecarpum** De Candolle, Prodr. 1: 594 (1824). — Pax in Bot. Jahrb. 7: 222 (1886); in Engler, Pflanzenreich, IV. 163 (Heft 8): 52 (1902) "subsp."  
*Acer campestre* a. *eriocarpon* Wallroth, Sched. Crit. Fl. Hal. 188 (1822).  
*Acer eriocarpon* Opiz in Flora, 7,1, Beil. 1: 83 (1824), non Michaux (1803).  
*Acer molle*, *A. affine* Opiz, *A. quinquelobatum* Wagner ex Opiz, l. c. (1824).  
*Acer campestre* var. *villicarpum* Láng in Syll. Pl. Nov. Soc. Bot. Ratisb. 1: 187 (1824).  
*Acer campestre* β. *pubescens* Boenninghausen, Prodr. Fl. Monast. 116 (1824).  
*Acer campestre* a. *lasiocarpum* Wimmer & Grabowski, Fl. Siles. 1: 365 (1827).  
*Euacer eriocarpon* Opiz, Seznam Rostl. Květ. Česk. 42 (1852).  
*Acer tomentosum* v. *serotinum* Kitaibel in Linnaea, 32: 552 (Add. Fl. Hung. 248. 1864) (1863).
- A. campestre** f. **pulverulentum** (Kirchn.) Pax in Engler, Pflanzenreich IV. 163 (Heft 8): 57 (1902) "subsp. *leiocarpum* var. *normale* f. *p.*" — Bean, Trees Shrubs Brit. Isl. 1: 136 (1914) "var."  
*Acer campestre* 5. *pulverulentum* Kirchner in Petzold & Kirchner, Arb. Muscav. 179 (1864) "(f.)"
- A. campestre** f. **albo-variegatum** [Hayne] Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 56 (1902) "subsp. *hebecarpum* var. β. *lobatum* f. *a.*"  
*Acer campestre* † *albovariegatum* Hayne, Dendr. Fl. 211 (1822).  
*Acer campestre* var. *variegatum* Pax in Bot. Jahrb. 7: 223 (1886), p. p.
- A. campestre** f. **postelense** Lauche ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1896(5): 80 (1896). — Saint-Paul-Illaire in Mitt. Deutsch. Dendr. Ges. 1898(7): 58 (1898) "var."  
*Acer campestre* *foliis luteis* R. Lauche in Muskau. Baumsch. Haupt.-Cat. 1896, 3 (1896).
- A. campestre** f. **Schwerinii** (Hesse) Schwerin in Mitt. Deutsch. Dendr. Ges. 1901(10): 62 (1901).  
*Acer campestre* *Schwerinii* Hesse ex Purpus in Mitt. Deutsch. Dendr. Ges. 1897(6): 14 (1897). — Bean, Trees Shrubs Brit. Isl. 1: 136 (1914) "var."
- A. campestre** var. **leiocarpum** (Opiz) Tausch in Flora, 12: 547 (1829). — Pax in Bot. Jahrb. 7: 222 (1886); in Engler, Pflanzenreich, IV. 163 (Heft 8): 56 (1902) "subsp." — Schwerin in Gartenfl. 42: 326 (Var. *Acer*, 33) (1893) "subsp."  
*Acer leiocarpum*, *A. macrocarpon*, *A. polycarpon*, *A. microphyllum* Opiz in Flora, 7,1, Beil. 1: 82 (1824).
- Euacer leiocarpum* Opiz, Seznam Rostl. Květ. Česk. 42 (1852).  
*Acer campestre* 3a. *liocarpum* Wallroth ex Kuntze, Taschen-Fl. Leipzig, 199 (1867).
- A. campestre** var. **austriacum** (Tratt.) De Candolle, Prodr. 1: 594 (1824) "γ." — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 57 (1902). — Plavšić in Oester. Bot. Zeitschr. 90: 222 (1941) "var. *leiocarpum* Wallr. f. a. D.C."  
*Acer Austriacum* Trattinnick, Observ. Bot. 1: 5 (1811); Archiv. Gewächsk. 1: 1, t. 6 (1812).  
 ?*Acer microcarpon* Masner ex Opiz in Flora, 7,1, Beil. 1: 82 (1824).  
*Acer campestre* var. *acutilobum* Tausch in Flora, 12: 547 (1829).  
*Euacer austriacum* Opiz, Seznam Rostl. Květ. Česk. 42 (1852).
- A. campestre** var. **tauricum** (Kirchn.) Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 56 (1902).  
*Acer campestre* 7. *tauricum* Booth ex Kirchner in Petzold & Kirchner, Arb. Muscav. 180 (1864) "(f.)". — Schwerin in Gartenfl. 42: 329 (Var. *Acer*, 35) (1893) "f."  
*Acer campestre* β. *lobatum* Pax in Bot. Jahrb. 11: 77 (1889).
- A. Bornmuelleri** (*A. campestre* × *monspessulanum*) Borbás in Természetr. Füzet. 14: 75 (1891).  
*Acer campestre* × *monspessulanum* Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 57 (1902).
- A. zöschense** (*A. campestre* × *Lobelii*) Pax in Bot. Jahrb. 7: 233 (1886).  
*Acer neglectum* Lange in Bot. Tidskr. 13: 30 (1882). — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 52 (1902). — Non Hoffmannsegg, Preisverzeich. ed. 8, Nachtr. 38 ex Walpers, Repert. Bot. Syst. 1: 410 (1842).  
*Acer campestre* × *Lobelii* Koehne, Deutsche Dendr. 382 (1893).  
*Acer neglectum* 1. *euneglectum* Schwerin in Mitt. Deutsch. Dendr. Ges. 1894(3): 52 (Var. *Acer*, 78) (1894).  
*Acer neglectum* 2. *zöschense* Schwerin, l. c. (1894).  
*Acer aetnense* Hort. ex Rehder, Man. Cult. Trees Shrubs, 564 (1927), pro syn.; non Tineo ex Pax (1886).
- A. divergens** Pax in Bot. Jahrb. 7: 234 (1886).  
*Acer quinquelobum* K. Koch, Dendr. 1: 540 (1869). — Schwerin in Gartenfl. 47: 123, fig. (Beitr. *Acer*, 4: 106) (1898). — Non Gilibert (1781).  
*Acer lasicum* Schwerin, l. c. fig. (l. c.) (1898).
- A. Opalus** Miller, Gard. Dict. A. no. 8 (1768). — Aiton, Hort. Kew. 3: 436 (1789). — Schneider, Ill. Handb. Laubb. 2: 235, fig. 160c-d, 161d-e (1907, May 15). — Schinz & Thellung in Vierteljahrsschr. Naturf. Ges. Zürich, 51: 492 (1907).  
*Acer italum* Lauth, Diss. de Acere, 32 (1781). — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 58 (1902). — Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. 86: 101, t. 27 (1936).  
*Acer opulifolium* Villars, Hist. Pl. Dauphin. 1: 333 (1786).  
*Acer rotundifolium* Lamarck, Encycl. Méth. Bot. 3: 382 (1789).  
*Acer vernum* Reynier [in Mém. Hist. Phys. Nat. Suisse, 1: 221 (1788) "L'Érable printanier"] ex Gaudin, Fl. Helv. 6: 325 (1830), pro syn.  
*Acer opalifolium* Tenore in Atti Istit. Incor. Sci. Nat. Napoli, 7: 313, t. 1 (Ricerche Sp. Aceri, 7. 1846) (1847).

- Acer italum* subsp. *variabile* Pax var. *a. opulifolium* et var. *β. opalus* Pax in Bot. Jahrb. **7**: 226 (1886); in Engler, Pflanzenreich, IV. **163**(Heft 8): 58, 59 (1902).  
*Acer Opalus* subsp. *italum* Gams in Hegi, Ill. Fl. Mittel-Eur. **5**, **1**: 291, fig. 1861 [1924].  
*Acer italum* subsp. *occidentale* var. *variabile* (f.) *Opalus* et (f.) *opulifolium* Schwerin in Gartenfl. **42**: 360 (Var. Acer, 37) (1893).
- A. Opalus** var. *obtusatum* (Willd.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. **3**: 663, t. 206, fig. 16 (1908). — Gams in Hegi, Ill. Fl. Mittel-Eur. **5**, **1**: 293 [1924] "subsp."
- Acer obtusatum* Waldstein & Kitaibel ex Willdenow, Sp. Pl. **4**, **2**: 984 [1806]. — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 57 (1902). — Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. **86**: 100, t. 26 (1936).  
*Acer opulifolium* var. *γ. tomentosum* Tausch in Flora, **12**, **2**: 549 (1829), p. p. — Koch, Syn. Fl. Germ. Helv. **1**: 136 (1837), p. p.  
*Acer opulifolium* *β. obtusatum* Visiani, Fl. Dalmat. **3**: 221 (1852), p. p.  
*Acer opulifolium* var. *velutinum* Boissier, Fl. Or. **1**: 950 (1867).  
*Acer opulifolium* sensu Schlosser & Vukotinović, Fl. Croat. **386** (1869), non Villars (1786).  
*Acer obtusatum* subsp. *euobtusatum* var. *genuinum* Pax in Bot. Jahrb. **7**: 224 (1886).  
*Acer aetnense* Tineo ined. ex Pax, l. c. (1886), pro syn.
- A. Opalus** var. *tomentosum* (Tausch) Rehder in Jour. Arnold Arb. **3**: 217 (1922).  
*Acer neapolitanum* Tenore in Atti Accad. Sci. Napoli, **1**: 103, t. (Mem. Nuov. Acero) (1819); Tenore, Fl. Napol. **2**: 372, t. 100 (1820).  
*Acer opulifolium* var. *γ. tomentosum* Tausch in Flora, **12**, **2**: 549 (1829), p. p. exclud. (*β. lobis obtusis*).  
*Acer obtusatum* var. *neapolitanum* G. Don, Gen. Hist. Dichlam. Pl. **1**: 649 (1831). — Pax in Bot. Jahrb. **7**: 223 (1886) "subspec."  
*Acer opulifolium* *β. obtusatum* Viviani, Fl. Dalmat. **3**: 221 (1852), p. p.  
*Acer opulifolium* var. *β. lanuginosum* Wesmael in Belg. Hort. **9**: 351 (1859).  
*Acer Opalus* var. *neapolitanum* Henry in Elwes & Henry, Trees Gt. Brit. Irel. **3**: 664, t. 106, fig. 15 (1908).
- A. Opalus** var. ? Rehder, Man. Cult. Trees Shrubs, ed. 2, 572 (1940).  
*Acer microphyllum* Kirchner in Petzold & Kirchner, Arb. Muscav. **189** (1864). — K. Koch, Dendr. **1**: 536 (1869), pro syn. — Schwerin in Mitt. Deutsch. Dendr. Ges. **1894**(3): 50, fig. (1894). — Non Opiz (1824).
- A. Peronai** [*A. monspessulanum* × *Opalus*] Schwerin in Mitt. Deutsch. Dendr. Ges. **1901**(10): 59 (1901) "*italum* × *monspessulanum*".
- A. hyrcanum** Fischer & Meyer in Ind. Sem. Hort. Petrop. **4**: 31 (1837). — Boissier, Fl. Or. **1**: 950 (1867). — Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. **86**: 102, t. 28 (1936). — Plavšić in Oester. Bot. Zeitschr. **90**: 216, fig. 2 (1941).  
*Acer italum* subsp. *hyrcanum* Pax in Bot. Jahrb. **7**: 226 (1886); in Engler, Pflanzenreich, IV. **163**(Heft 8): 59 (1902).  
*Acer Opalus* var. *hyrcanum* Rehder in Bailey, Stand. Cycl. Hort. **1**: 198 (1914).  
*Acer tauricum* Hort. ex Rehder, l. c. (1914), pro syn.  
*Acer trilobum* Hort. ex Rehder, l. c. (1914), pro syn.; non Lamarck (1786).
- Ser. 3. **SACHARINA** (Pax), grad. nov.  
*Acer* sect. *Sacharina* Pax in Bot. Jahrb. **6**: 328 (1885); **7**: 241 (1886); in Engler, Pflanzenreich, IV. **163**(Heft 8): 73 (1902).  
*Acer* subgen. *Sacharodendron* Rafinesque, New Fl. N. Am. **1**: 47 (1836).  
*Saccharodendron* Nieuwland in Am. Midland Nat. **3**: 181 (1914).
- A. saccharum** Marshall, Arbust. Am. **4** (1785). — Britton in Trans. New York Acad. Sci. **9**: 9 (1889). — Trelease in Ann. Rep. Missouri Bot. Gard. **5**: 99 (1894). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 74 (1902).  
*Acer sacchatum* Miller, Abridg. Gard. Dict. ed. 6, A. no. 6 (1771), p. p., quoad nom. angl.; ? sphalm.  
*Acer saccharinum* sensu Wangenheim, Beytr. Deutsch. Forstwiss. Nordam. Holzart. **26**, t. 11, fig. 26 (1787), non Linnaeus (1753).  
*Acer palmifolium* Borkhausen, Versuch Forstbot. Beschr. Catzenellenb. Holzart. **107** (1795).  
*Acer barbatum* sensu Pursh, Fl. Am. Sept. **1**: 266 (1814), p. p. — Sargent, Silva N. Am. **2**: 97, t. 90 (1891). — Non Michaux (1803).  
*Acer saccharinum* *β. viride* Franz Schmidt, Anleit. Erzieh. Ahornart. **43** [52], t. 9 (1812).  
*Acer saccharophorum* K. Koch, Hort. Dendr. **80** (1853). — Rousseau in Contrib. Inst. Bot. Univ. Montreal, **35**: 63 (1940).  
*Acer saccharinum* var. *a. pseudoplatanoides* Pax in Bot. Jahrb. **7**: 242 (1886).  
*Acer saccharinum* subsp. *saccharinum* Wesmael in Bull. Soc. Bot. Belg. **29**: 61 (1890).  
*Acer saccharum* var. *barbatum* Trelease in Rep. Missouri Bot. Gard. **5**: 94, t. 5, 6 (1894).  
*Acer saccharum* var. *a. pseudoplatanoides* Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 74 (1902).  
*Saccharodendron barbatum* Nieuwland in Am. Midland Nat. **3**: 182 (1914).  
*Acer Treleaseanum* Bush in Am. Midland Nat. **12**: 502 (1931).  
*Saccharodendron saccharum* Moldenke in Rev. Sudam. Bot. **5**: 2 (1937).
- A. saccharum** f. *conicum* Fernald in Rhodora, **36**: 239, fig. (1934).  
*Acer saccharophorum* f. *conicum* Rousseau in Contrib. Inst. Bot. Univ. Montreal, **35**: 63 (1940).
- A. saccharum** f. *monumentale* (Temple), grad. nov.  
*Acer saccharinum monumentale* Temple, Cat. Trees Shrubs Pl. **5** (1889); Descr. Cat. **1890-91**: 1 (1890). — Schwerin in Mitt. Deutsch. Dendr. Ges. **1901**(10): 62 (1901).  
*Acer saccharum nigrum monumentale* (Temple) Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 286 (Nomencl. Arb. Fl. U. S.) (1897). — Sudworth ex Rousseau in Contrib. Inst. Bot. Univ. Montreal, **35**: 61 (1940) "*A. s. var. n. f. m.*"; pro syn.  
*Acer nigrum* var. *monumentale* Rehder in Bailey, Cycl. Am. Hort. **[1]**: 13 (1900).  
*Acer saccharum* var. *monumentale* Rehder in Bailey, Stand. Cycl. Hort. **1**: 203 (1914). — D. Wyman in Am. Nurseryman, **83**, **12**: 8, 2 fig. (1946) "*A. s. m.*" — Dansereau in Naturaliste Canad. **72**: 127 (1945) "*f.*"  
*Acer saccharophorum* var. *monumentale* Rousseau in Contrib. Inst. Bot. Univ. Montreal, **35**: 61 (1940).
- A. saccharum** f. *glaucum* [Schmidt] Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 75 (1902) "var. *barbatum* f. *gl.*"

**Acer saccharum f. glaucum** (continued)

- Acer saccharinum a. glaucum*, Franz Schmidt, Anleit. Erzieh. Ahornart. 43 [52], t. 8 (1812).—Pax in Bot. Jahrb. 7: 242 (1886) "var."; p. p.—Wesmael in Bull. Soc. Bot. Belg. 29: 61 (1890) "subsp. *saccharinum* var. *gl.*"
- Acer palmifolium* var. *nigrum* f. *glaucum* Schwerin in Gartenfl. 42: 457 (Var. *Acer*. 45) (1893).
- Acer subglaucum* Bush in Am. Midland Nat. 12: 502 (1931).
- Acer saccharophorum* f. *glaucum* Rousseau in Contrib. Inst. Bot. Univ. Montreal, 35: 61 (1940).

**A. saccharum** var. **Schneckii** Rehder in Sargent, Trees & Shrubs, 2: 256 (1913).

- Acer subglaucum* *Schneckii* Bush in Am. Midland Nat. 12: 503 (1931).
- Acer saccharophorum* var. *Schneckii* Rousseau in Contrib. Inst. Bot. Univ. Montreal, 35: 62 (1940).

**A. saccharum** f. **Rugelii** (Pax) Palmer & Steyermark in Am. Missouri Bot. Gard. 22: 592 (1935).

- Acer Rugelii* Pax in Bot. Jahrb. 7: 243 (1886).
- Acer saccharinum* sensu Franz Schmidt, Oester. Baumz. 1: 12, t. 8 (1792), non Linnaeus (1753), nec Wangenheim (1787).
- Acer saccharinum* var. *glaucum* Pax in Bot. Jahrb. 7: 242 (1886), p. p.
- Acer saccharinum* subsp. *Rugelii* Wesmael in Bull. Soc. Bot. Belg. 29: 61 (1890).
- Acer saccharinum* subsp. *saccharinum* var. *glaucum* Wesmael, l. c. (1890), p. p.
- Acer saccharinum* var. *nigrum* Newhall, Trees N. E. Am. 152, fig. 76 (1890), p. p. quoad fig. 76; non Loudon (1838).
- Acer barbatum* var. *nigrum* Sargent, Silva N. Am. 2: 99, t. 91, fig. 3 (1891), p. p., quoad syn. et fig. 3.
- Acer saccharum* var. *Rugelii* (Pax) Rehder in Bailey, Cycl. Am. Hort. [1]: 13 (1900).
- Acer saccharum* var. *barbatum* Trelease in Ann. Rep. Missouri Bot. Gard. 5: 94, t. 5 (1894), p. p.
- Acer subglaucum* *Rugelii* B. F. Bush in Am. Midland Nat. 12: 503 (1931).
- Acer saccharophorum* var. *Rugelii* Rousseau in Contrib. Inst. Bot. Univ. Montreal, 35: 62 (1940).

**A. grandidentatum** Nuttall ex Torrey & Gray, Fl. N. Am. 1: 847 (1838).—Nuttall, N. Am. Sylva, 2: 82, t. 69 (1846).—Pax in Bot. Jahrb. 7: 220 (1886); in Engler, Pflanzenreich, IV. 163 (Heft 8): 73 (1902).—Sargent, Man. Trees N. Am. 637, fig. 519 (1905).

- Acer barbatum* var. *grandidentatum* Sargent in Gard. & For. 4: 148 (1891); Silva N. Am. 2: 100, t. 92 (1891).
- Acer saccharum* *grandidentatum*, Sudworth in U. S. Dept. Agric. For. Serv. Bull. 14: 286 (Nomencl. Arb. Fl. U. S.) (1898).—Sargent, Silva N. Am. 13: 7 (1902) "var."
- Saccharodendron grandidentatum* Nieuwland in Am. Midland Nat. 3: 183 (1914).

**A. barbatum** Michaux, Fl. Bor.-Am. 2: 252 (1803).—Fernald in Rhodora, 47: 160 (1945).

- Acer floridanum* var. *villipes* Rehder in Sargent, Trees & Shrubs, 2: 255 (1913).—Fernald in Rhodora, 44: 426, t. 725, fig. 3, t. 727, fig. 4 (1942) "f."

**A. barbatum** f. **floridanum** (Chapm.) Fernald in Rhodora, 47: 160 (1945).

- Acer saccharinum* var. *floridanum* Chapman, Fl. South. U. S. 81 (1860).

*Acer floridanum* Pax in Bot. Jahrb. 7: 243 (1886).—Sargent, Man. Trees N. Am. 634, fig. 516 (1905).—Fernald in Rhodora, 44: 426, t. 725, fig. 1, 2, t. 727, fig. 3 (1942).—Non C. F. Ludwig (1783), nom.

*Acer barbatum* var. *floridanum* Sargent in Gard. & For. 4: 148 (1891); Silva N. Am. 2: 100, t. 91, fig. 4 (1891).

*Acer Saccharum* var. *floridanum* Small & Heller in Mem. Torrey Bot. Club, 3, 1: 24 (1892).

*Saccharodendron floridanum* Nieuwland in Am. Midland Nat. 3: 182 (1914).

**A. nigrum** Michaux f., Hist. Arb. Am. 2: 238, t. 16 (1812).—Sargent, Silva N. Am. 13: 9, t. 625 (1902).

*Acer saccharinum* var. *nigrum* Loudon, Arb. Brit. 2: 411 (1838).—Gray, Man. N. U. S. 80 (1848) "β."

*Acer saccharum* var. *γ. nigrum* Britton in Trans. New York Acad. Sci. 9: 9 (1889).

*Acer barbatum* var. *nigrum* Sargent in Gard. & For. 4: 148, fig. 27 (1891); Silva N. Am. 2: 99, t. 91, fig. 1-2 (1891), exclud. fig. 3.

*Acer palmifolium* var. *nigrum* f. *villosum* Schwerin in Gartenfl. 42: 456, fig. 4 (Var. *Acer*, 45) (1893).

*Acer palmifolium* var. *concolor* Schwerin in op. cit. 457, fig. 6 (1893).

*Saccharodendron nigrum* Small, Man. Southeast. Fl. 824, 1505 (1933).

**A. leucoderme** Small in Bull. Torrey Bot. Club, 22: 367 (1895).

*Acer floridanum* var. *acuminatum* Trelease in Am. Rep. Missouri Bot. Gard. 5: 99, t. 11 (1894).

*Acer saccharum* var. *leucoderme* Sargent, Silva N. Am. 13: 7, t. 624 (1902).

*Saccharodendron leucoderme* Nieuwland in Am. Midland Nat. 3: 182 (1914).

Ser. 4. **SPICATA** (Pax), grad. nov.

*Acer* subgen. *Evotrium* Rafinesque, New Fl. N. Am. 1: 47 (1836), p. p.

*Acer* subgen. *Sphendamus* Rafinesque, op. cit. 48 (1836), sphalm. pro *Sphendamnus*, nom. graecum *Aceris*.

*Acer* sect. *Spicata* Pax in Bot. Jahrb. 6: 326 (1885); 7: 182 (1886).

*Acer* sect. *Parviflora* Koidzumi in Jour. Coll. Sci. Tokyo, 32, 1: 11 (1911).

*Acer* sect. *Gemmata*, sect. *Trilobata*, sect. *Microcarpa* Poyarkova in Act. Inst. Bot. Acad. Sci. U. R. S. S. ser. 1, 1: 312, 324, 339 (1933).

**A. macrophyllum** Pursh, Fl. Am. Sept. 1: 267 (1814).—Sargent, Silva N. Am. 2: 89, t. 86, 87 (1891).

*Acer palmatum* Rafinesque, New Fl. N. Am. 1: 48 (1836), non Thunberg (1784).

*Acer macrophyllum a. normalis* Kuntze, Rev. Gen. Pl. 1: 146 (1891).

*Acer Murrayanum* Hort. ex Pax in Engler, Pflanzenreich IV. 163 (Heft 8): 21 (1902), pro syn.

**A. pseudo-Platanus** Linnaeus, Sp. Pl. 1054 (1753).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 17 (1902).—Ruhe in Repert. Sp. Nov. Reg. Veg. Beih. 86: 97, t. 23 (1936).

*Acer montanum* Lamarck, Fl. Franç. 2: 553 (1778).

*Acer quinquelobum* Gilibert, Fl. Lithuan. 2: 198 (1782); Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 327 (1790) "quinquelobus".

*Acer opulifolium* Thuillier, Fl. Paris, 538 (1790), non Villars (1786).

*Acer procerum* Salisbury, Prodr. Stirp. Chap. Allert. 290 (1796).

- Acer bohemicum* P[resl?], *A. Opizii* Or[tmann], *A. praecox*, *A. vitifolium* [non Unger (1847), nec A. Braun (1851), nec Weber (1852), fossil.], *A. robustum*, *A. Tauschianum*, *A. Dittrichii* Or[tmann], *A. melliodorum*, *A. Wondračekii*, *A. Fieberi* Or[tmann] ex Opiz, Seznam Rostl. Květ. Česk. 9 (1852), nom.; cf. Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 17–20 (1902).
- Acer Pseudo-Platanus* subsp. *typicum* Pax in Bot. Jahrb. 7: 192 (1886); in Engler, Pflanzenreich, IV. 163 (Heft 8): 17 (1902).
- Acer Pseudo-Platanus* subsp. *typicum* var. *quinquelobum* f. *normale* Schwerin in Gartenfl. 42: 259 (Var. *Acer*, 21) (1893).
- A. Pseudo-Platanus** f. *variegatum* (West.), grad. nov.  
*Acer Pseudo-Platanus* 2. *variegatum* Weston, Bot. Univ. 1: 1 (1770).  
*Acer pseudo-platanus* †† *albo-variegata* Hayne, Dendr. Fl. 212 (1822).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 19 (1902) “f. *albo-variegatum* Kirchn.”
- A. Pseudo-Platanus** [forma] W. A. Dayton in Proc. Biol. Soc. Washington, 58: 27, fig. (1945), with tricarpeal fruit.
- A. Pseudo-Platanus** f. *flavo-variegatum* (Hayne), grad. nov.  
*Acer pseudo-platanus* † *flavo-variegata* Hayne, Dendr. Fl. 212 (1822).  
*Acer Pseudo-Platanus* var. *flava variegata* Loudon, Arb. Brit. 1: 414 (1838).  
*Acer pseudo-platanus* var. *aureo-variegata* Jacques in Jacques & Herincq Man. Gén. Pl. 1: 253 (1847).  
*?Acer Pseudo-platanus* var. *bicolor* Dieck, Haupt-Cat. Zöschchen, 19 (1885), nom.
- A. Pseudo-Platanus** f. *corstorphinense* hort. ex Schwerin in Gartenfl. 12: 25, fig. 26 (1893) “*coloratum* subvar. *lutescens* f. *c.* hort.”  
*Acer Pseudoplatanus lutescens novum* hort. ex Schwerin, l. c. (1893), pro syn.
- A. Pseudo-Platanus** f. *Worleei* Rosenth. ex Schwerin in Gartenfl. 42: 263 (Var. *Acer*, 24) (1893) “var. *coloratum* subvar. *lutescens* f. *Worleei*.”—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 18 (1902) “subvar. *quinquelobum* f. *Worleei* (Ohlendorf) Schwerin”.
- A. Pseudo-Platanus** f. *Leopoldii* (Lem.) Schwerin in Gartenfl. 42: 264 (Var. *Acer*, 25) (1893) “var. *coloratum* subvar. *pallidum* f. *L.*”—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 19 (1902) “subvar. *quinquelobum* f. *L.* Lem.”  
*Acer Pseudo-Platanus* var. *Leopoldii* Lemaire in Ill. Hort. 11: t. 411, (1864).
- A. Pseudo-Platanus** f. *purpureum* (Loud.), grad. nov.  
*Acer Pseudo-platanus* var. *purpurea* Hort. ex Loudon, Arb. Brit. 1: 415 (1838).  
*Acer Pseudo-platanus atropurpureum* Späth, Cat. ex Garten-Zeit. (Wittmack) 2: 513 (1883).  
*Acer Pseudo-Platanus* subsp. *typicum* var. *coloratum* f. *purpurascens* Pax in Bot. Jahrb. 7: 192 (1886); in Engler, Pflanzenreich, IV. 163 (Heft 8): 19 (1902) “var. *β. typicum* subvar. *quinquelobum* f. *p.*”  
*Acer Pseudo-Platanus* var. *coloratum* subvar. *rubrum* Schwerin in Gartenfl. 42: 265 (1893).
- A. Pseudo-Platanus** f. *erythrocarpum* (Carr.) Pax in Engler, Pflanzenreich IV. 163 (Heft 8): 18 (1902) “var. *β. typicum* subvar. *quinquelobum* f. *e.*”
- Acer Pseudoplatanus erythrocarpum* Carrière in Rev. Hort. 1864: 171, t. (1864).—Endlicher ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1905(14): 195, t. (1905).
- A. Pseudo-Platanus** f. *euchlorum* (Späth) Schwerin in Gartenfl. 42: 259 (1893) “var. *quinquelobum* f. *e.*”—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 18 (1902).
- Acer Pseudoplatanus euchlorum* Späth, Kat. 1878 ex Schwerin, l. c. (1893).
- A. Pseudo-Platanus** var. *tomentosum* Tausch in Flora, 12,2: 548 (1829) “*β.*”  
*Acer villosus* Presl, Delic. Prag. 31 (Pl. Rar. Sicil. Descr.) (1822).  
*Acer Pseudo-Platanus β.* Bertoloni, Fl. Ital. 5: 624 (1842).  
*Acer macropterum* Gussone, Pl. sicc. ex Bertoloni, l. c. (1842), pro syn.  
*Acer Pseudo-Platanus β. villosus* Parlatores, Fl. Ital. 5: 405 (1872).—Pax in Bot. Jahrb. 7: 191 (1886) “subsp.”; in Engler, Pflanzenreich, IV. 163 (Heft 8): 17 (1902) “*a.*”
- A. coriaceum** [*A. monspessulanum* × *Pseudo-Platanus*] Tausch in Flora, 12,2: 550 (1829).—Pax in Bot. Jahrb. 7: 197 (1886).  
*Acer creticum* Franz Schmidt, Oester. Allg. Baumz. 1: 16, t. 15 (1792).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 14 (1902).—Non Linnaeus (1763).  
*Acer parvifolium* Tausch in Flora, 12,2: 552 (1829).  
*Acer polymorphum* Spach, Hist. Nat. Vég. Phan. 3: 107 (1834).  
*Acer orientale* (?) × *Pseudoplatanus* Koehne, Deutsche Dendr. 376 (1893).
- A. hybridum** [*A. Opalus* × *Pseudoplatanus*] Bosc in Bosc & Baudrillard, Dict. Cult. Arb. (Encycl. Méth. Agric. VII.) 374, 376 (1821) “*Érable hybride*” (p. 376), nom. subnud.—Spach, Hist. Nat. Vég. Phan. 3: 88 (1834).—Pax in Bot. Jahrb. 7: 195 [1885]; in Engler, Pflanzenreich, IV. 163 (Heft 8): 14, fig. 4 (1902) “*A. Pseudo-platanus* × *italum*”.
- A. Duretti** (*A. ?Opalus* var. *obtusatum* × *Pseudoplatanus*) Pax in Bot. Jahrb. 16: 397 (1892); in Engler, Pflanzenreich, IV. 163 (Heft 8): 14 (1902).
- A. rotundilobum** [*? A. monspessulanum* × *Opalus*] Schwerin in Mitt. Deutsch. Dendr. Ges. 1894(3): 50, fig. (p. 47) (1894).—Pax in Mitt. Deutsch. Dendr. Ges. 1903(12): 86 (1903) “*? A. monspessulanum* × *obtusatum*”; in Engler, Pflanzenreich, IV. 163 (Heft 8): 58 (1902).  
*Acer barbatum* Willdenow, Berlin. Baumz., ed. 2, 9 (1811), non Michaux (1803).
- A. sericeum** (*A. Pseudoplatanus* × *?*) Schwerin in Mitt. Deutsch. Dendr. Ges. 1894(3): 49, fig. (Einig. Neu. Ahorn. 75) (1894).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 22 (1902).
- A. ramosum** (*?A. campestre* × *Pseudoplatanus*) Schwerin, l. c. fig. (1894).—Pax in Engler, l. c. (1902).
- A. Heldreichii** Orphanides ex Boissier, Diag. Pl. Or. Nov. sér. 2, 5: 71 (1856); Fl. Or. 1: 649 (1867).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 16 (1902).  
*Acer Heldreichii* var. *a. Eu-Heldreichii* Pax in Bot. Jahrb. 7: 194 (1886).
- A. Trautvetteri** Medvedef in Izv. Kavkazsk. Obshch. Liubit. Estestv. 2: 9 (1880).—Trautvetter in Act.

**Acer Trautvetteri** (*continued*)

- Hort. Petrop. **7**: 428 (1880). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 15 (1902).  
*Acer insigne* sensu Nicholson in Gard. Chron. ser. 2, **16**: 75, fig. 14 (1881). — Hooker f. in Bot. Mag. **109**: t. 6697 (1883). — Non Boissier & Buhse (1860).  
*Acer insigne* var. *Trautvetteri* Pax in Bot. Jahrb. **7**: 195 (1886).  
**A. velutinum** Boissier, Diag. Pl. Or. Nov. sér. 1, **6**: 28 (1845). — Rehder in Jour. Arnold Arb. **19**: 82 (1938).  
*Acer insigne* var. *a. velutina* Boissier & Buhse in Nouv. Mém. Soc. Nat. Moscou, **12**: 46 (Aufzähl. Transkauk. Pers. Pfl.) (1860).  
*Acer insigne* var. *β. velutinum* Boissier, Fl. Or. **1**: 948 (1867). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 15 (1902). — Rehder, Man. Cult. Trees Shrubs, 567 (1927).  
*Acer insigne* var. *typica* f. *velutina* Bornmüller in Bull. Herb. Boissier, sér. 2, **5**: 643 (1905).  
**A. velutinum** var. *Van Volxemii* (Mast.) Rehder in Jour. Arnold Arb. **19**: 84 (1938).  
*Acer Van Volxemii* Masters in Gard. Chron. ser. 2, **7**: 72, fig. 10 (1877).  
*Acer Pseudo-Platanus* subsp. *Van Volxemi* Wesmael in Bull. Soc. Bot. Belg. **29**: 35 (1890).  
*Acer Volxemi* Masters in Gard. Chron. ser. 3, **10**: 9, fig. 1, 2 (1891).  
*Acer insigne* var. 1. *Van Volxemi* Pax in Bot. Jahrb. **16**: 395 (1893); in Engler, Pflanzenreich, IV. **163**(Heft 8): 15 (1902) "a.", exclud. syn. var. *glabrescens*.  
*Acer Kakheti* Hort. Belg. ex Pax in Bot. Jahrb. **16**: 395 (1893), pro syn. preced.  
*Acer insigne* var. *Van Volxemi* Pax 1. *perckense* Schwerin in Gartenfl. **42**: 268 (Var. *Acer*, 29) (1893).  
**A. velutinum** f. *glabrescens* (Boiss. & Buhse) Rehder in Jour. Arnold Arb. **19**: 83 (1938); Man. Cult. Trees Shrubs, ed. 2, 575 (1940) "var."  
*Acer insigne* var. *β. glabrescens* Boissier & Buhse in Nouv. Mém. Soc. Nat. Moscou, **12**: 46 (Aufzähl. Transkauk. Pers. Pfl.) (1860).  
*Acer insigne* var. *Van Volxemi* sensu Pax in Bot. Jahrb. **16**: 395 (1893), quoad var. *glabrescens*; non Masters (1877).  
*Acer insigne* var. *Van Volxemi* f. 2. *glabrescens* Schwerin in Gartenfl. **42**: 267 (Var. *Acer*, 29) (1893).  
*Acer insigne* (?) *β. obtusiloba* Freyn & Sintenis in Bull. Herb. Boissier, sér. 2, **2**: 843 (1902).  
**A. velutinum** f. *Wolfii* (Schwerin) Rehder in Jour. Arnold Arb. **19**: 84 (1938).  
*Acer insigne* *Wolfii* Schwerin in Mitt. Deutsch. Dendr. Ges. **1905**(14): 210 (1905). — Schneider, Ill. Handb. Laubh. **2**: 203 (1907) "f. *Wolfii*". — Rehder in Bailey, Stand. Cycl. Hort. **1**: 201 (1914) "var."  
**A. Buergerianum** Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 88 (Prol. Fl. Jap. 20) (1866). — Rehder in Sargent, Trees & Shrubs, **1**: 179 (1905).  
*Acer trifidum* Hooker & Arnott, Bot. Beechey Voy. 174 (1841). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 10 (1902). — Non Thunberg (1784).  
*Acer palmatum* a. *subtrilobum* K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 25 (1864), nom. — Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 88 (Prol. Fl. Jap. 20) (1866), pro syn.  
*Acer trifidum* f. *Buergerianum* Schwerin in Gartenfl. **42**: 258 (Var. *Acer*, 19) (1893).

- A. Buergerianum** var. *trinerve* (Dipp.) Rehder in Jour. Arnold Arb. **3**: 217 (1922).  
*Acer trinerve* Hort. ex Dippel, Handb. Laubh. **2**: 428, fig. 200 (1892), exclud. syn. K. Koch. — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 12 (1902).  
*Acer trifidum* Hort. angl. ex Dippel, Handb. Laubh. **2**: 428 (1892), pro syn.; non Hooker & Arnott (1841).  
**A. Ginnala** Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 126 (in Mém. Biol. **2**: 415. 1857) (1856). — Rehder in Sargent, Trees & Shrubs, **1**: 179 (1905); in Jour. Arnold Arb. **7**: 220 (1926) "*ginnala*".  
*Acer tataricum* var. *laciniatum* Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 217 (in Mém. Biol. **2**: 483) (1857).  
*Acer tataricum* var. *Ginnala* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 67 (Prim. Fl. Amur.) (1859).  
*Acer tataricum* var. *aidzuensis* Franchet in Bull. Soc. Bot. France, **26**: 84 (1879).  
*Acer tataricum* var. *acuminata* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **5**: 228 (Pl. David. **2**: 76. 1884) (1883).  
*Acer tataricum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 142 (1886), non Linnaeus (1753).  
*Acer ginnala* var. *a. euginnala* Pax in Bot. Jahrb. **7**: 185 (1886). — Schwerin in Gartenfl. **42**: 231 (Var. *Acer*, 18) (1893) "subsp."  
*Acer Ginnala* f. *aidzuense* Schwerin in Gartenfl. **42**: 231 (Var. *Acer*, 18) (1893).  
**A. Ginnala** var. *Semenowii* (Reg. & Herd.) Pax in Bot. Jahrb. **7**: 185 (1886). "β." — Schwerin in Gartenfl. **42**: 231 (Var. *Acer*, 18) (1893) "subsp."  
*Acer Semenowii* Regel & Herder in Bull. Soc. Nat. Moscou, **39**, **1**: 550, t. 12, fig. 3, 4 (Enum. Pl. Reg. Cis-Transil. Semenov. Coll. [2]: 24, t.) (1866). — Radde-Fomin in Jour. Inst. Bot. Acad. Sci. Ukraine, **1**: 42, fig. 1 (1932).  
*Acer tataricum* var. *Semenowii* Nicholson in Gard. Chron. ser. 2, **15**: 74, fig. 12 (1881).  
**A. tataricum** Linnaeus, Sp. Pl. 1054 (1753). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 9 (1902).  
*Acer cordifolium* Moench, Meth. Pl. 55 (1794).  
*Euacer tataricum* Opiz, Seznam Rostl. Květ. Česk. **42** (1852).  
*Acer tataricum* var. *genuinum* f. *oblongifolium* Raciborski in Spraw. Akad. Krakow. **23**: 2 (1888).  
*Acer tataricum* var. *genuinum* Racib. subvar. *typicum* Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 10 (1902).  
**A. tataricum** f. *rubrum* Schwerin in Gartenfl. **42**: 231 (Var. *Acer*, 17) (1893).  
**A. pusillum** (*A. monspessulanum* × *tataricum*) Schwerin in Mitt. Deutsch. Dendr. Ges. **1894**(3): 48, fig. (p. 47) (Einig. Neu. Ahorn. 75, fig.) (1894), syn. exclud.  
? *Acer Boscii* sensu K. Koch, Dendr. **1**: 519 (1860), pro syn. dub.; non Spach (1834).  
**A. Boscii** [*A. pensylvanicum* × *tataricum*] Spach, Hist. Nat. Vég. Phan. **3**: 86 (1834). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 13 (1902).  
*Acer lobatum* Bosc ex hort. ex Spach, l. c. (1834), pro syn.  
*Acer barbatum* sensu Loudon, Arb. Brit. **1**: 420, fig. 125 (1838), non Michaux (1803).  
*Acer tataricum* subsp. *Boscii* Wesmael in Bull. Soc. Bot. Belg. **29**: 30 (1890) "*tataricum* × *monspessulanum*."



- A. spicatum** Lamarck, Encycl. Méth. Bot. **2**: 381 (1786). — Sargent, Silva N. Am. **2**: 83, t. 82, 83 (1891). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 16 (1902). *Acer Pensylvanicum* sensu Du Roi, Diss. Obs. Bot. cxi (1771, Oct.); Harkb. Wilde Baumz. **1**: 22, t. 2 (1771), non Linnaeus (1753). *Acer parviflorum* Ehrhart, Beitr. Naturk. **4**: 25 (1789). *Acer montanum* Aiton, Hort. Kew. **3**: 435 (1789), non Lamarck (1778). *Acer spicatum* var. *a. americanum* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 66 (Prim. Fl. Amur.) (1859). *Acer rugosum* [Hort. ex] C. de Vos, Handb. Boom. Heest. ed. 2, 8 (1887). *Acer vitifolium* hort. ex Schwerin in Gartenfl. **42**: 268 (Var. *Acer*, 29) (1893), pro syn.; non Unger (1847). *Acer spicatum* f. *rugosum* Schwerin, l. c. (1893); in Mitt. Deutsch. Dendr. Ges. **1896**(5): 80 (1896), corr.
- A. caudatum** Wallich, Pl. As. Rar. **2**: 4, 28, t. 132 (1831), exclud. fl. masc. et syn. *A. pectinatum*. — Pax in Bot. Jahrb. **7**: 197 (1886), exclud. syn. *A. acuminatum*. — Rehder in Sargent, Trees & Shrubs, **1**: 163 (1905). *Acer acuminatum* sensu Dippel, Handb. Laubh. **2**: 424, fig. 198 (1892). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 15 (1902). — Non Wallich ex D. Don (1825). *Acer Papilio* King in Jour. As. Soc. Bengal, **65**, 2: 115 (1896). *Acer pictum himalayense* hort. ex Rehder, Man. Cult. Trees Shrubs, 568 (1927), pro syn.
- A. caudatum** var. *ukurunduense* (Trautv. & Mey.) Rehder in Sargent, Trees & Shrubs, **1**: 164 (1905); **2**: 26 (1907). *Acer ukurunduense* Trautvetter & Meyer in Middendorf, Reise Sibir. **1**, 2: 24 (1856). — Nakai, Fl. Sylv. Kor. **1**: 6, t. 1 (1915). *Acer Dedyle* Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 125 (in Mém. Biol. **2**: 414. 1857) (1856). *Acer spicatum* sensu Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 217 (in Mém. Biol. **2**: 483) (1857). *Acer spicatum* var. *ukurunduense* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 65 (Prim. Fl. Amur.) (1859). — Nicholson in Gard. Chron. ser. 2, **15**: 172, fig. 29 (1881) "*Ukurunduensis*". — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 16 (1902). *Acer lasiocarpum* Léveillé & Vaniot in Bull. Soc. Bot. France, **53**: 591 (1906). *Acer vitifolium* hort. ex Rehder, Man. Cult. Trees Shrubs, 569 (1927), pro syn.
- A. caudatum** var. *multiserratum* (Maxim.) Rehder in Sargent, Trees & Shrubs, **1**: 163 (1905); in Jour. Arnold Arb. **7**: 219 (1926). *Acer erosum* Pax in Hooker's Icon. Pl. **19**: t. 1897, p. [3] (1889). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 69 (1902). *Acer multiserratum* Maximowicz in Act. Hort. Petrop. **11**: 107 (1890).
- A. erianthum** Schwerin in Mitt. Deutsch. Dendr. Ges. **1901**(10): 159 (1901). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 22 (1902).
- A. nipponicum** Hara in Jour. Jap. Bot. **14**: 50 (1937). *Acer parviflorum* Franchet & Savatier, Enum. Fl. Jap. **2**: 321, 323 [1878?]. — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 22 (1902). — Non Ehrhart (1789). *Acer pennsylvanicum* subsp. *4. parviflorum* Wesmael in Bull. Soc. Bot. Belg. **29**: 62 (1890).
- Acer crassipes* Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 69 (1902), non Heer (1859).
- Acer pictum* var. *parviflorum* Schneider in Silva Tarouca & Schneider, Uns. Freil.-Laubgeh. ed. 2, 85, fig. 73 (1922), quoad syn. *A. crassipes* et fig.
- Acer breviloobum* Hesse, Haupt-Preisverz. **1903-4**: 80 (1903), nom. — Kache in Mitt. Deutsch. Dendr. Ges. **1919**(28): 226 (1919), pro syn. — Rehder in Jour. Arnold Arb. **19**: 85 (1938).
- A. sinense** Pax in Hooker's Icon. Pl. **19**: t. 1897, p. [1] (1889). — Rehder in Sargent, Trees & Shrubs, **1**: 157, t. 78 (1905). *Acer sinense* var. *a. typicum* Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 22 (1902).
- A. sinense** var. *concolor* Pax, l. c. (1902).
- A. Wilsoni** Rehder in Sargent, Trees & Shrubs, **1**: 157, t. 79 (1905); in Repert. Sp. Nov. Reg. Veg. **1**: 6 (1905).
- A. Oliverianum** Pax in Hooker's Icon. Pl. **19**: t. 1897, p. [2] (1889). — Rehder in Sargent, Trees & Shrubs, **1**: 153, t. 77 (1905).
- A. flabellatum** Rehder in Sargent, op. cit. 161, t. 81 (1905); in Repert. Sp. Nov. Reg. Veg. **1**: 7 (1905).
- Acer robustum* sensu Schneider, Ill. Handb. Laubh. **2**: 206, fig. 131f, 133v-x (1907), non Pax (1902).
- A. Campbellii** Hooker f. & Thomson ex Brandis, For. Fl. Brit. Ind. 109 (1874), nom. — Hiern in Hooker f., Fl. Brit. Ind. **1**: 696 (1875). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 21 (1902).
- Ser. 5. PALMATA (Pax), grad. nov.
- Acer* sect. *Palmata* Pax in Bot. Jahrb. **6**: 326 (1885); **7**: 24 (1886); in Engler, Pflanzenreich, IV. **163**(Heft 8): 24 (1902).
- Acer* subgen. *Sacharodendron* Rafinesque, New Fl. N. Am. **1**: 47 (1836), p. p. quoad *A. circinatum*.
- Acer* subgen. *Antadenium* Rafinesque, op. cit. 49 (1836), typus: *A. circinatum* Pursh.
- A. circinatum** Pursh, Fl. Am. Sept. **1**: 266 (1814). — Sargent, Silva N. Am. **2**: 93, t. 87 (1891). — Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 28 (1902). *Acer virgatum* Rafinesque, New Fl. N. Am. **1**: 48 (1836).
- A. palmatum** Thunberg in Nov. Act. Soc. Sci. Upsal. **4**: 40 (1783); Fl. Jap. 162 (1784). — Pax in Engler, op. cit. 25 (1902). *Acer polymorphum* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4**, 2: 50 (Fl. Jap. Fam. Nat. **1**: 158) (1845). — Morren & A. de Vos, Index Bibliogr. Hort. Belg. 357 (1887). — Non Spach (1834).
- A. palmatum** var. *palmatum* (K. Koch) Rehder in Jour. Arnold Arb. **19**: 83 (1938).
- Acer septemlobum* Siebold & Comp. in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. **1844**: 23, t. 2, fig. c (1844), nom. subnud.; non Thunberg (1784).
- Acer Meikets* Siebold & Comp., l. c., fig. d (1844).
- Acer polymorphum* γ. *palmatum* K. Koch, Hort. Dendr. **80** (1853).
- Acer palmatum* β. *quinquelobum* K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 251 (1864).
- Acer palmatum* var. *septemloba* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 88 (Prol. Fl. Jap. 20. 1866) (1865).
- Acer formosum* Carrière in Rev. Hort. **1867**: 300 (1867). — Nakai in Bot. Mag. Tokyo, **46**: 608 (1932).
- Acer palmatum* f. *genuina* Miquel in Siebold & Zuccarini,

**Acer-palmatum** var. **palmatum** (continued)

- Fl. Jap. 2: 84, t. 145, fig. 1 (1870), p. p. — (S. & Z.) Koidzumi in Jour. Coll. Sci. Tokyo, 32, 1: 44, t. 26, fig. 1-6 (1911) "subsp. genuinum".
- Acer palmatum* "palmatum proper" Nicholson in Gard. Chron., n. ser. 16: 137 (1881).
- Acer palmatum* var. *a. Thunbergii* Pax in Bot. Jahrb. 7: 202 (1886).
- Acer palmatum* var. *Thunbergii* subvar. *eupalmatum* f. *normale* Schwerin in Gartenfl. 42: 652, fig. (Var. Acer, 59) (1893). — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 26 (1902).
- Acer palmatum* var. *coreanum* Nakai, Fl. Sylv. Kor. 1: 10, t. 3 (1915).
- Acer roseo-marginatum* var. *eupalmatum* Koidzumi in Bot. Mag. Tokyo, 43: 382 (1929).

**A. palmatum** f. **atropurpureum** (Vanh.) Schwerin in Gartenfl. 42: 653 (1893).

- Acer polymorphum palmatum atropurpureum* Van Houtte in Fl. des Serr. 12: 173, t. 1273 (1857).
- Acer palmatum* var. *septemlobum atropurpureum* [Nicholson] in Kew Hand-list, 1: 93 (1894).
- Acer palmatum* var. *nigrum* Hort. ex Rehder, Man. Cult. Trees Shrubs, 570 (1927), pro syn.

**A. palmatum** f. **sanguineum** [Carr.] Schwerin in Gartenfl. 42: 653 (Var. Acer, 60) (1893).

- Acer sanguineum* Carrière in Rev. Hort. 1867: 280 (July), 391, t. fig. 3 (Oct.) (1867). — Koidzumi in Bot. Mag. Tokyo, 43: 382 (1929).
- Acer (polymorphum) palmatum sanguineum* Sieb. Cat. ex Lemaire in Ill. Hort. 14: t. 526 (1867, Aug.)
- ? *Acer palmatum* (f.) *rubescens* K. Koch, Dendr. 1: 525 (1869), nom. subnud.

**A. palmatum** f. **versicolor** (Vanh.) Schwerin in Gartenfl. 42: 653 (Var. Acer, 60) (1893).

- Acer polymorphum septemlobum versicolorum* Van Houtte in Fl. des Serr. 14: 273, t. 1498 (1861).
- Acer palmatum roseo-maculatum* hort. (Dicksons) ex Schwerin, l. c. (1893), pro syn.
- Acer palmatum* var. *Aokii* Späth in Gartenfl. 41: 33, t. 1363 (1892).

**A. palmatum** f. **roseo-marginatum** [K. Koch] Schwerin in Gartenfl. 42: 654 (Var. Acer, 60) (1893). — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 26 (1902).

- Acer polymorphum foliis dissectis roseo-marginatis* Van Houtte in Fl. des Serr. 15: 127, t. 1566 [1864?].
- Acer palmatum* a. *A. palmatum* f. *roseo-marginatum* K. Koch, Dendr. 1: 525 (1869).
- Acer roseomarginatum* Koidzumi in Bot. Mag. Tokyo, 43: 382 (1929).
- Acer formosum* f. *roseo-marginatum* Nakai in Bot. Mag. Tokyo, 48: 609 (1932).

**A. palmatum** var. **heptalobum** Rehder in Jour. Arnold Arb. 19: 86 (1938).

- Acer polymorphum* *δ. septemlobum* sensu K. Koch, Hort. Dendr. 80 (1853), non *A. septemlobum* Thunberg (1784).
- Acer palmatum* *γ. septemlobum* K. Koch in Ann. Mus. Bot. Lugd.-Bat. 1: 251 (1864). — Koidzumi in Coll. Sci. Tokyo, 32, 1: 46, t. 26, fig. 7, 8, t. 27 (1911) "subsp. s."
- Acer illustre* Verschaefelt ex K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 1: 172 (1867), pro syn.
- Acer amoenum* Carrière in Rev. Hort. 1867: 280 (1867). — Nakai in Bot. Mag. Tokyo, 46: 610 (1932).
- Acer palmatum* f. *genuina* Miquel in Siebold & Zuccarini,

Fl. Jap. 2: 84, t. 145 (155) (1870), p. p. quoad syn. & t. 145, fig. 9.

- Acer palmatum* var. *Thunbergii* subvar. *septemlobum* f. *euseptemlobum* Schwerin in Gartenfl. 42: 678, fig. (Var. Acer, 61) (1893). — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 26 (1902), sphalm. "subseptemlobum".
- Acer sanguineum* var. *euseptemlobum* Koidzumi in Bot. Mag. Tokyo, 43: 382 (1929).

**A. palmatum** f. **rubrum** (hort.) Schwerin in Gartenfl. 42: 679 (Var. Acer, 62) (1893). — Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 27 (1902).

- Acer palmatum* var. *septemlobum sanguineum* Nicholson in Gard. Chron. n. ser. 16: 137 (1881), p. p.; non Lemaire (1867).
- Acer palmatum septemlobum purpureum* hort. (Dicksons) ex Schwerin in Gartenfl. 42: 679 (Var. Acer, 62) (1893).

**A. palmatum** f. **reticulatum** (André) Schwerin in Gartenfl. 42: 679 (1893).

- Acer palmatum reticulatum* Siebold ex André in Ill. Hort. 17: 98, t. 18 (1870), nom. subnud.; non K. Koch (1869).
- Acer palmatum* 2. *septemlobum reticulatum* Bean, Trees Shrubs Brit. Isl. 1: 152 (1914).

**A. palmatum** var. **linearilobum** Miquel in Arch. Néerl. Sci. Nat. 2: 469 (1867); in Siebold & Zuccarini, Fl. Jap. 2: 84, t. 146, fig. 1 (1870) "f. lineariloba".

- Acer palmatum* var. *linearilobum* f. *lineare* Schwerin in Gartenfl. 42: 682, fig. (Var. Acer, 65) (1893). — Koidzumi in Jour. Coll. Sci. Tokyo, 32, 1: 48 (1911) "subsp. *septemlobum* var. *palmatipartitum* subvar. *linearilobum* f. l."
- Acer formosum* f. hort. *linearilobum* Nakai in Bot. Mag. Tokyo, 46: 610 (1932).

**A. palmatum** f. **atrolineare** Schwerin in Gartenfl. 42: 682 (Var. Acer, 65) (1893) "var. *linearilobum* f. a." — Koidzumi in Jour. Coll. Sci. Tokyo, 32, 1: 48 (1911) "subsp. *septemlobum* var. *palmatipartitum* subvar. *linearilobum* f. a."**A. palmatum** var. **dissectum** (Thunb.) Miquel in Arch. Néerl. Sci. Nat. 2: 469 (1867); in Siebold & Zuccarini, Fl. Jap. 2: 84, t. 146, fig. ii-iv (1870) "f. d." — Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 449 (in Mém. Biol. 10: 608) (1880) "var. *dissecta*". — Koidzumi in Jour. Coll. Sci. Tokyo, 32, 1: 53 (Rev. Acer Jap.) (1911) "subsp. *Matsumurae* var. b. *hortense* subvar. d."

- Acer dissectum* Thunberg, Fl. Jap. 16: (1784); Icon. Pl. Jap. dec. 5: t. [5] (1805).
- Acer palmatum* *δ. multifidum* K. Koch in Ann. Mus. Bot. Lugd.-Bat. 1: 251 (1864).
- Acer decompositum* Miquel in Miquel & Groenewegen, Cat. Hort. Amstelod. 275 (1860), nom.
- Acer palmatum* *δ. var. decompositum* Miquel in Arch. Néerl. Sci. Nat. 2: 469 (1867); in Siebold & Zuccarini, Fl. Jap. 2: 84 (1870) "f. *decomposita*."

**A. palmatum** f. **ornatum** (Carr.) Schwerin in Gartenfl. 42: 683 (Var. Acer, 66) (1893).

- Acer ornatum* Carrière in Rev. Hort. 1867: 300, 391, t. (1867). — Nemoto, Nippon Shokub. Soran Hoi, 454 (Fl. Jap. Suppl.) (1936).
- Acer palmatum ornatum* André in Ill. Hort. 17: 244, t. 46 (1870).
- Acer palmatum dissectum atropurpureum* Hogg in Garden, 16: 579, fig. (1879), sine descr.

- Acer palmatum* var. *dissectum ornatum* Nicholson in Gard. Chron. n. ser. **16**: 137 (1881).
- A. palmatum** f. *sessilifolium* (Sieb. & Zucc.), grad. nov.
- Acer sessilifolium* Siebold & Zuccarini, Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4**, 2: 50 (Fl. Jap. Fam. Nat. **1**: 158) (1845).
- Negundo sessilifolium* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 88 (Prol. Fl. Jap. 21. 1866) (1865).
- Acer palmatum* var. *dissecta* lus. *sessilifolius* Maximowicz in Bull. Acad. Sci. St. Pétersb. **26**: 449 (in Mém. Biol. **10**: 608) (1880).
- Acer palmatum* var. *sessilifolium* Schwerin in Gartenfl. **42**: 682 (Var. Acer, 65) (1893).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 578 (1940).
- Acer palmatum* subsp. *Matsumurae* var. *hortense* subvar. *sessilifolium* Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 54 (Rev. Acer Jap.) (1911).
- Acer ornatum* var. *Matsumurae* subvar. *sessilifolium* Nemoto, Nippon-Shokub.-Soran-Hoi, 454 (Fl. Jap. Suppl.) (1836).
- A. Shirasawanum** Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 38, t. 22 (1911).
- A. robustum** Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 79 (1902).—Rehder in Sargent, Pl. Wilson. **1**: 89 (1911); **3**: 426 (1917); in Jour. Arnold Arb. **7**: 218 (1926).
- A. Sieboldianum** Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 87 (Prol. Fl. Jap. 19. 1866) (1865).—Maximowicz in Bull. Acad. Sci. St. Pétersb. **26**: 447 (in Mém. Biol. **10**: 606) (1880), p. p.—Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 35, t. 21 (1911).
- Acer japonicum* var. *Sieboldianum* Franchet & Savatier, Enum. Pl. Jap. **1**: 87 [1873].
- Acer Sieboldianum* var. *a. typicum* Maximowicz in Bull. Acad. Sci. St. Pétersb. **31**: 25 (in Mém. Biol. **12**: 433) (1886).
- A. Sieboldianum** var. *microphyllum* Maximowicz, l. c. (1880) "γ."
- A. japonicum** Thunberg, Fl. Jap. 161 (1784); Icon. Fl. Jap. dec. 2: t. [10] (1800).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 24 (1902).
- Acer japonicum* f. *typicum* Schwerin in Gartenfl. **42**: 708 (Var. Acer, 66) (1893).
- Acer japonicum* f. *macrophyllum* (Van Houtte) Schwerin, l. c. (1893).—Koidzumi in Jour. Coll. Sci. Tokyo, **31**, **1**: 40 (1911) "*a. typicum* f. *m.*"
- A. japonicum** f. *aureum* hort. ex Schwerin in Gartenfl. **42**: 709 (Var. Acer, 66) (1893).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 24 (1902) "var. β."
- A. japonicum** f. *microphyllum* (Koidz.), grad. nov.
- Acer japonicum* f. *microphyllum* Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 42, t. 25, fig. 6 (1911).
- A. japonicum** f. *aconitifolium* (Meehan), grad. nov.
- Acer japonicum* *aconitifolium* Meehan in Am. Garden, **9**: 140, fig. (1888).—Croizat in Bull. Fan Mem. Inst. Biol. **7**: 198 (1936).
- Acer japonicum* f. *Parsonsii* Veitch ex Schwerin in Gartenfl. **42**: 709 (Var. Acer, 66) (1893).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 25 (1902) "var. γ."
- Acer japonicum* *laciniatum* Van Houtte ex Schwerin, l. c. (1893), pro syn.
- Acer japonicum* *filiatifolium* Hesse' ex Schwerin, l. c. (1893), pro syn.
- Acer japonicum* var. *Heyhachii* Matsum. ex Makino in Bot. Mag. Tokyo, **8**: 115 (1904).—Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 41, t. 25, fig. 7 (1911).
- Acer circumlobatum* var. *Heyhachii* Makino in Bot. Mag. Tokyo, **24**: 74 (1910).
- A. Pseudo-Sieboldianum** (Pax) Komarov in Act. Hort. Petrop. **22**: 725 (Fl. Mansh. II) (1904).—Nakai, Fl. Sylv. Kor. **1**: 12, t. 4 (1915).
- Acer parvifolium* Budishchef in Zapisk. Sibirsk. Otd. Russk. Geog. Obshch. **9-10**: 437 (Opis. Lies. Primorsk. Obl.; pt. 14: Bot. Opis. Drev. Kust.) (1867), non Tausch (1829).
- Acer Sieboldianum* Maximowicz in Bull. Acad. Sci. St. Pétersb. **26**: 447 (in Mém. Biol. **10**: 606) (1880), p. p.
- Acer circumlobatum* var. β. *Pseudo-Sieboldianum* Pax in Bot. Jahrb. **7**: 199 (1886).
- Acer Sieboldianum* β. *mandshuricum* Maximowicz in Bull. Acad. Sci. St. Pétersb. **31**: 25 (in Mém. Biol. **12**: 433) (1886).
- Acer Sieboldianum* var. ? Baker & Moore in Jour. Linn. Soc. Lond. Bot. **17**: 380 (1879).
- Acer japonicum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 140 (1886), non Thunberg (1784).
- Acer Okamotoi* Nakai in Bot. Mag. Tokyo, **27**: 130 (1913), nom.; Fl. Sylv. Kor. **1**: 13, t. 7 (1915), p. p. quoad fol. [fruct. = *A. Okamotoanum* Nakai (1917)].
- Acer nudicarpum* Nakai, Fl. Sylv. Kor. **1**: 14, t. 8 (1915).
- Ser. 6. **GLABRA** (Pax), grad. nov.
- Acer* subgen. *Sacharodendron* Rafinesque, New Fl. N. Am. **1**: 47 (1836), p. p. quoad *A. glabrum*.
- Acer* sect. *Glabra* Pax in Bot. Jahrb. **6**: 327 (1885); **7**: 217 (1886).
- A. glabrum** Torrey in Ann. Lyc. Nat. Hist. New York, **2**: 172 (1828).—Sargent, Silva N. Am. **2**: 95, t. 89 (1891).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 45 (1902).
- Acer glabrum* subsp. *typicum* Wesmael in Bull. Soc. Bot. Belg. **29**: 46 (1890).
- Acer glabrum* subsp. *typicum* f. *monophyllum* Schwerin in Gartenfl. **42**: 650 (Var. Acer, 57) (1893).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 45 (1902) "*A. g. var. a. m.*"
- A. glabrum** f. *rhodocarpum* Schwerin in Repert. Sp. Nov. Reg. Veg. **13**: 361 (1914).
- Acer glabrum* *rhodocarpum* Schwerin in Mitt. Deutsch. Dendr. Ges. **1910** (19): 287, 289 [1911?].
- A. glabrum** var. *tripartitum* (Nutt.) Pax in Bot. Jahrb. **7**: 218 (1886), p. p.—Rehder, Man. Cult. Trees Shrubs, ed. 2, 579 (1940), p. p., exclud. syn.
- Acer tripartitum* Nuttall ex Torrey & Gray, Fl. N. Am. **1**: 247 (1838).—Nuttall, N. Am. Sylva, **2**: 85, t. 71 (1846).
- A. glabrum** f. *trisectum* Sargent in Jour. Arnold Arb. **2**: 166 (1922).—Rehder Man. Cult. Trees Shrubs, 571 (1927) "var."
- Acer glabrum* var. β. *tripartitum* Pax in Bot. Jahrb. **7**: 218 (1886), p. p.—Schwerin in Gartenfl. **42**: 650 (Var. Acer, 57) (1893), exclud. syn.; non *A. tripartitum* Nutt.
- A. glabrum** var. *Douglasii* (Hook.) Dippel, Handb. Laubh. **2**: 438 (1892).—Sargent, Man. Trees N. Am. ed. 2, 683, fig. 615 (1922).

**Acer glabrum** var. **Douglasii** (continued)

*Acer Douglasii* Hooker in Lond. Jour. Bot. 6: 77, t. 6 (1847).—Pax in Bot. Jahrb. 7: 219 (1886).

*Acer glabrum* subsp. *Douglasii* Wesmael in Bull. Soc. Bot. Belg. 29: 46 (1890).

Ser. 7. **INTEGRIFOLIA** (Pax), grad. nov.

*Acer* sect. *Integrifolia* Pax in Bot. Jahrb. 6: 327 (1885); 7: 207 (1886).

*Acer* ser. *Trinervium* et ser. *Penninervium* Metcalf in Lingnan Sci. Jour. 11: 194, 202 (1932).

**A. oblongum** Wallich ex De Candolle, Prodr. 1: 593 (1824).

—Rehder in Sargent, Trees & Shrubs, 1: 179 (1905).

*Acer laurifolium* D. Don, Prodr. Fl. Nepal. 249 (1825).

*Acer Buzimbala* Hamilton msc. ex D. Don, l. c. (1825), pro syn.

*Acer oblongum* f. 1. *glaucum* Schwerin in Gartenfl. 42: 228 (Var. *Acer*, 15) (1893).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 31 (1902) "var. a."

*Acer nepalense* hort. et *A. oblongifolium* hort. ex Schwerin, l. c. (1893) syn.

**A. oblongum** var. **concolor** Pax in Hooker's Icon. Pl. 19: t. 1897, p. [2] (1889).—Schwerin in Gartenfl. 42: 228 (Var. *Acer*, 15) (1893) "f."**A. Fabri** Hance in Jour. Bot. 22: 76 (1884).—Metcalf in Lingnan Sci. Jour. 11: 204 (1932).**A. Fabri** f. **rubrocarpum** (Metcalf), grad. nov.

*Acer laevigatum* var. *Fargesii* (Rehd.) Veitch in Jour. Hort. Soc. Lond. 29: 353, fig. 91 (1904), nom. subnud.

*Acer Fargesii* Rehder in Sargent, Trees & Shrubs, 1: 180 (1905); Man. Cult. Trees Shrubs, ed. 2, 579 (1940).

*Acer Prainii* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 432 (1912).

*Acer Fabri* var. *rubrocarpum* Metcalf in Lingnan Sci. Jour. 11: 206 (1932).—Rehder in Jour. Arnold Arb. 15: 6 (1932).

**A. laevigatum** Wallich, Pl. As. Rar. 2: 3, t. 104 (1831).—Rehder in Sargent, Trees & Shrubs, 1: 180 (1905).

*Acer oblongum* var. *laevigatum* Wesmael in Bull. Soc. Bot. Belg. 29: 42 (1890).

**A. distylum** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 42: 154 (Fl. Jap. Fam. Nat. 1: 46) (1845).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 34 (1902).**A. Schwerinii** Pax in Bot. Jahrb. 16: 398 (1892); in Engler, Pflanzenreich, IV. 163(Heft 8): 33 (1902).

*Acer Schwerinii* f. *typicum* Pax, l. c. (1902).

Ser. 8. **INDIVISA** (Pax), grad. nov.

*Acer* sect. *Indivisa* Pax in Bot. Jahrb. 6: 327 (1885); 7: 213 (1886).

*Acer* sect. *Carpinifolia* Koidzumi in Jour. Coll. Sci. Tokyo, 32,1: 17 (1911).

**A. carpinifolium** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 42: 154 (Fl. Jap. Fam. Nat. 1: 46) (1845).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 34 (1902).Ser. 9. **MACRANTHA** (Pax), grad. nov.

*Acer* sect. *Macrantha* Pax in Bot. Jahrb. 6: 328 (1885); 7: 244 (1886).—Rehder in Jour. Arnold Arb. 14: 211 (1933).

*Acer* subgen. *Evotrium* Rafinesque, New Fl. N. Am. 1: 47 (1836), p. p.

*Acer* sect. *Palmatoidea* Koidzumi in Jour. Coll. Sci. Tokyo, 32,1: 22 (1911).

**A. Davidi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 212 (Pl. David. 2: 30. 1888) (1886).—Rehder in Sargent, Trees & Shrubs, 1: 167, t. 83 (1905); in Jour. Arnold Arb. 14: 213, fig. 1 (1933); 15: 7 (1934).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 165 (1939).

*Acer Hookeri* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 140 (1886), non Miquel (1865).

*Acer Davidi* var. *glabrescens* Pax in Hooker, Icon. Pl. 19: t. 1897, p. [3] (1889).

*Acer sikkimense* subsp. *Davidi* Wesmael in Bull. Soc. Bot. Belg. 29: 44 (1890).

*Acer Davidi* f. 1. *tomentellum* Schwerin in Gartenfl. 42: 230 (Var. *Acer*, 16) (1893).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 36 (1902) "*A. Davidii* var. a. t."

*Acer Davidi* var. *horizontale* sensu Rehder in Sargent, Trees & Shrubs, 1: 168 (1905), p. p. quoad Wilson no. 1882; non Pax (1902).

*Acer Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 432 (1911).

*Acer laxiflorum* var. *integrifolium* Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 7: 179 (1932).

*Acer Davidi* var. *acuminifolium* Fang in op. cit. 11: 177 (1939).

**A. Hookeri** Miquel in Arch. Néerl. Sci. Nat. 2: 471 (1852).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 34 (1902).

*Acer sikkimense* subsp. *Hookeri* Wesmael in Bull. Soc. Bot. Belg. 29: 44 (1890).

*Acer Hookeri* f. 1. *normale* Schwerin in Gartenfl. 42: 229 (Var. *Acer*, 16) (1893).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 36 (1902) "var. a."

**A. sikkimense** Miquel in Arch. Néerl. Sci. Nat. 2: 471 (1852).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 34 (1902).

*Acer sikkimense* f. 1. *subintegrum* Schwerin in Gartenfl. 42: 229 (Var. *Acer*, 16) (1893).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 34 (1902) "var. a."

**A. crataegifolium** Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. Münch. 43: 155 (Fl. Jap. Fam. Nat. 2: 47) (1846).—Miquel in Siebold & Zuccarini, Fl. Jap. 2: 84, t. 147 (1870).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 36 (1902).

*Acer crataegifolium* f. 1. *typicum* Schwerin in Gartenfl. 42: 455 (Var. *Acer*, 43) (1893).—Pax in op. cit. 37 (1902) "var. a."

**A. crataegifolium** f. **Veitchii** (Nichols.) Schwerin, l. c. (1893).

*Acer crataegifolium* var. *Veitchii* Nicholson in Gard. Chron. ser. 3, 16: 75 (1881).

*Acer crataegifolium albo-variegatum* Pax ex Schwerin, l. c. (1893), pro syn.

**A. Veitchii** Schwerin in Mitt. Deutsch. Dendr. Ges. 1894 (3): 51, fig. (1894) "? *A. rufinerve* × *crataegifolium*".—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 37 (1902).—Rehder, Man. Cult. Trees Shrubs, 573 (1927) "*A. crataegifolium* × *pennsylvanicum* Pax."**A. laxiflorum** Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 36, fig. 7c,p (1902).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 191 (1939).

*Acer laxiflorum* var. *genuinum* Pax, l. c. (1902).

- A. pensylvanicum** Linnaeus, Sp. Pl. 1055 (1753).—Sargent, Silva N. Am. 2: 85, t. 84, 85 (1891) "*pennsylvanicum*" ut in cit. sequ.—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 68 (1902).  
*Acer Canadense* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 2 [1782?], nom.—Marshall, Arbust. Am. 3 (1784).  
*Acer striatum* Du Roi, Harbk. Baumz. 1: 8, t. 1 (1771).—Lamarck, Encycl. Méth. Bot. 2: 381 (1788).  
*Acer pensylvanicum* subsp. *typicum* Wesmael in Bull. Soc. Bot. Belg. 29: 62 (1890).
- A. pensylvanicum** f. *erythrocladum* (Späth), grad. nov.  
*Acer pensylvanicum erythrocladum* Späth, [Kat.] 116: 72 (1904); in Mitt. Deutsch. Dendr. Ges. 1904(13): 199 [1905].
- A. rufinerve** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 42: 155 (Fl. Jap. Fam. Nat. 1: 47) (1845).—Miquel in Siebold & Zuccarini, Fl. Jap. 2: 85, t. 148 (1870).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 69 (1902).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 190 (1939).  
*Acer pensylvanicum* subsp. *rufinerve* Wesmael in Bull. Soc. Bot. Belg. 29: 62 (1890).  
*Acer rufinerve* f. 1. *normale* Schwerin in Gartenfl. 42: 454 (Var. *Acer*, 43) (1893).
- A. rufinerve** f. *albo-limbata* (Hook. f.) Schwerin, l. c. (1893).  
*Acer rufinerve* var. *albo-limbata* Hooker f. in Bot. Mag. 95: t. 5793 (1869).  
*Acer rufinerve* a. *marginatum* Pax in Bot. Jahrb. 7: 247 (1886).  
*Acer rufinerve* b. *marmoratum* Pax, l. c. (1886).  
*Acer pensylvanicum* subsp. *rufinerve* subvar. *marginatum* et subvar. *marmoratum* Wesmael in Bull. Soc. Bot. Belg. 29: 62 (1890).
- A. Grosseri** Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 80 (1902).—Rehder in Jour. Arnold Arb. 14: 219, fig. 7 (1933).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 181 (1939).  
*Acer Davidii* var. *γ. horizontalis* Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 79 (1902).  
*Acer Davidii* var. *glabrescens* Pax in Bot. Jahrb. 36, Beibl. 82: 73 (1905), non Pax (1889).  
*Acer Pavolinii* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 422 (1910).  
*Acer Hersii* Rehder in Jour. Arnold Arb. 3: 217 (1922), p. p.
- A. Grosseri** var. *Hersii* (Rehd.) Rehder in Jour. Arnold Arb. 14: 220, fig. 8 (1933).  
*Acer* sp. Bailey in Gent. Herb. 1: 35 (1920) "allied to *A. Grosseri*".  
*Acer Hersii* Rehder in Jour. Arnold Arb. 3: 217 (1922), p. p. typ.—Hu in Hu & Chun, Icon. Pl. Sin. 3: 147, t. (1933).
- A. capillipes** Maximowicz in Bull. Acad. Sci. St. Pétersb. 12: 225 (in Mém. Biol. 6: 367. 1867) (1868, Nov.); 26: 441 (10: 597) (1880).—Rehder in Sargent, Trees & Shrubs, 1: 31, t. 16 (1905).  
*Acer pensylvanicum* subsp. *capillipes* Wesmael in Bull. Soc. Bot. Belg. 29: 62 (1890).
- A. tegmentosum** Maximowicz in Bull. Phys.-math. Acad. Sci. St. Pétersb. 15: 125 (in Mém. Biol. 2: 415. 1857) (1856).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 67 (1902).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 187 (1939).  
*Acer pensylvanicum* var. *tegmentosum* Wesmael in Bull. Soc. Bot. Belg. 29: 62 (1890).
- A. Tschonoskii** Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 24 (in Mém. Biol. 12: 432) (1886).—Rehder in Sargent, Trees & Shrubs, 1: 33, t. 17 (1902).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 207 (1939).  
*Acer capillipes* sensu Sargent in Gard. & For. 6: 153 (1893), non Maximowicz (1867).
- A. Tschonoskii** var. *rubripes* Komarov in Act. Hort. Petrop. 22: 736 (Fl. Mansh. II) (1904).—Nakai, Fl. Sylv. Kor. 1: 21, t. 14 (1915).
- A. Maximowiczii** Pax in Hooker's Icon. Pl. 19: t. 1897, p. [4] (1889, Oct.).—Rehder in Jour. Arnold Arb. 14: 217, fig. 6 (1933).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 204 (1939).  
*Acer urophyllum* Maximowicz in Act. Hort. Petrop. 11: 105 (1889, Nov.).—Rehder in Sargent, Trees & Shrubs, 1: 169, t. 84 (1905).  
*Acer laxiflorum* sensu Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 7: 178 (1932), p. p.; non Pax (1902).
- A. micranthum** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 42: 155 (Fl. Jap. Fam. Nat. 1: 47) (1845).—Pax in Engler, Pflanzenreich, IV. 163 (Heft 8): 70 (1902).—Koidzumi in Jour. Coll. Sci. Tokyo, 32, 1: 23, t. 12 (1911).  
*Acer Tschonoskii* sensu Komarov in Act. Hort. Petrop. 22: 735 (Fl. Mansh. II) (1904), non Maximowicz (1886).
- Ser. 10. ARGUTA (Rehd.), grad. nov.  
*Acer* sect. *Arguta* Rehder in Sargent, Trees & Shrubs, 1: 181 (1905).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 11: 19 (1939).  
*Acer* sect. *Lithocarpa* Pax in Bot. Jahrb. 6: 328 (1885); 7: 2, 4 (1886), p. p.
- A. argutum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 12: 226 (in Mém. Biol. 6: 368. 1868) (1867, Nov.); 26: 439 (10: 593) (1880).—Miquel in Arch. Néerl. Sci. Nat. 2: 475 (1867, Dec.).—Rehder in Sargent, Trees & Shrubs, 1: 131, t. 66 (1903).  
*Acer diabolicum* subsp. *argutum* Wesmael in Bull. Soc. Bot. Belg. 29: 63 (1890).
- A. barbinerve** Maximowicz in Bull. Acad. Sci. St. Pétersb. 12: 227 (in Mém. Biol. 6: 368. 1868) (1867); 26: 439 (10: 593) (1880).—Rehder in Sargent, Trees & Shrubs, 1: 173, t. 86 (1905), non Opiz (1852), nom. nud. altern.  
*Acer diabolicum* subsp. *barbinerve* Wesmael in Bull. Soc. Bot. Belg. 29: 68 (1890).
- A. acuminatum** Wallich ex D. Don, Prodr. Fl. Nepal. 249 (1825).  
*Acer sterculiaceum* sensu K. Koch, Dendr. 1: 521 (1869), non Wallich (1831).  
*Acer caudatum* sensu Brandis, For. Fl. Brit. Ind. 112 (1875).—Hiern in Hooker f., Fl. Brit. Ind. 1: 695 (1875), p. p.—Non Wallich (1831).  
*Acer laevigatum* Hort. ex Nicholson in Gard. Chron. n. ser. 15: 365, fig. 68 (1881), pro syn.; non Wallich (1831).
- A. tetramerum** Pax in Hooker's Icon. Pl. 19: t. 1897, p. [5] (1889).—Rehder in Sargent, Trees & Shrubs, 1:

**Acer tetramerum** (*continued*)

171, t. 85 (1905).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 217 (1939).

*Acer stackyophyllum* sensu Henry in Gard. Chron. ser. 3, **33**: 62 (1903).—Fang in op. cit. 211 (1939), p. p.—Non Hiern (1867).

**A. tetramerum** var. **lobulatum** Rehder ex Veitch in Jour. Hort. Soc. Lond. **29**: 353, fig. 94, 97 (1904).—Rehder in Repert. Sp. Nov. Reg. Veg. **1**: 174 (1905).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 218 (1939), pro syn.

**A. tetramerum** var. **tiliifolium** Rehder in Sargent, Pl. Wilson. **1**: 96 (1911).—Handel-Mazzetti, Symb. Sin. **7**: 642 (1933).

**A. tetramerum** var. **betulifolium** (Maxim.) Rehder in Sargent, Pl. Wilson. **1**: 95 (1911).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 220 (1939).  
*Acer betulifolium* Maximowicz in Act. Hort. Petrop. **11**: 108 (1889).—Pax in Engler, Pflanzenreich IV. **163** (Heft 8): 10 (1902).

Ser. **11**. LITHOCARPA (Pax), grad. nov.

*Acer* sect. *Lithocarpa* Pax in Bot. Jahrb. **6**: 328 (1885); **7**: 249 (1886), p. p. max.

*Acer* sect. *Diabolica* Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 64 (1911).

**A. diabolicum** Blume ex K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 251 (1864).—Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 88 (Prol. Fl. Jap. 20) (1865).—Rehder in Sargent, Trees & Shrubs, **1**: 33, t. 67 (1903).—Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 65, t. 33 (1911).

**A. diabolicum** f. **purpurascens** (Franch. & Sav.), grad. nov.

*Acer pulchrum* Maxim. ex Lavallée, Arb. Segrez. **29** (1877), nom.

*Acer purpurascens* Franchet & Savatier, Enum. Pl. Jap. **2**: 320 [1878?].—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 71 (1902).

*Acer diabolicum* var. *purpurascens* Rehder in Sargent, Trees & Shrubs, **1**: 134 (1903).

**A. Francheti** Pax in Hooker's Icon. Pl. **19**: t. 1897, p. [4] (1889).—Rehder in Sargent, Trees & Shrubs, **1**: 175, t. 87 (1905).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 225 (1939), p. p.

*Acer villosum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 142 (1886), non Wallich (1831).

**A. villosum** Wallich, Pl. As. Rar. **2**: 4 (1831).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 71 (1902).

*Acer sterculiaceum* Wallich, op. cit. 3, t. 105 (1831).

**A. pilosum** Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, **26**: 436, 445 (in Mém. Biol. **10**: 590, 604) (1880).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 224 (1939).

Ser. **12**. RUBRA (Pax), grad. nov.

*Acer* sect. *Rubra* Pax in Bot. Jahrb. **6**: 326 (1885); **7**: 179 (1886).

*Acer* subgen. *Clinotrox* Rafinesque, New Fl. N. Am. **1**: 47 (1836).

*Acer* subgen. *Eriocarpum* Rafinesque, l. c. (1836).

*Argentacer* Small, Man. Southeast. Fl. 825, 1505 (1933).  
*Rufacer* Small, l. c. (1933).

**A. rubrum** Linnaeus, Sp. Pl. 1055 (1753).—Sargent, Silva N. Am. **2**: 107, t. 94 (1891).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 37 (1902).

?*Acer Floridanum* Gordon, Dermer & Edmonds, Cat. Trees Shrubs, 2 [1782?], nom.—C. F. Ludwig, Neu. Wilde Baumz. **1** (1783), nom.—K. Koch, Dendr. **1**: 542 (1869), pro syn.

*Acer glaucum* Marshall, Arbust. Am. **2** (1785).

*Acer carolinianum* Walter, Fl. Carol. 251 (1788).

*Acer coccineum* Michaux f., Hist. Arb. For. Am. Sept. **2**: 203 (1810).

*Acer sanguineum* Spach in Ann. Sci. Nat. Bot. sér. 2, **2**: 176 (1834).

*Acer dasycarpum* b. *glabrum* Ascherson, Fl. Prov. Brandenburg. **116** (1864).

*Acer rubrum* f. *eurubrum* Pax in Bot. Jahrb. **7**: 181 (1886).

*Acer rubrum* subsp. *normale* Wesmael in Bull. Soc. Bot. Belg. **29**: 28 (1890).—Schwerin in Gartenfl. **42**: 166 (Var. *Acer*, 6) (1893).

*Acer saccharinum* var. *glabrum* Ascherson & Graebner, Fl. Nordostdeutsch. Flachl. **481** (1899).

*Acer stenocarpum* Britton, N. Am. Trees, 647, fig. (1908), non Ettinghausen (1885), fossil.

*Rufacer rubrum* Small, Man. Southeast. Fl. 826, 1505 (1933).

*Rufacer carolinianum* Small, l. c. (1933).

**A. rubrum** f. **columnare** (Rehd.) Schwerin in Mitt. Deutsch. Dendr. Ges. **1901**(10): 61 (1901).—Dansereau in Naturaliste Canad. **72**: 127, fig. 1 (1945).—D. Wyman in Am. Nurseryman, **83**, **12**: 7, 2 fig. (1946) "A. r. c."

*Acer rubrum* var. *columnare* Rehder in Bailey, Cycl. Am. Hort. **[1]**: 12 (1900).

**A. rubrum** f. **globosum** (Rehd.) Schneider, Ill. Handb. Laubh. **2**: 218 (1907).

*Acer rubrum* var. *globosum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[1]**: 12 (1900).

**A. rubrum** f. **breviramuscolum** Marie-Victorin in Contrib. Inst. Bot. Univ. Montréal, **56**: 58, fig. 1 (1945).

**A. rubrum** var. **pallidiflorum** K. Koch ex Pax in Bot. Jahrb. **7**: 182 (1886).

*Acer rubrum hybridum* Hort. ex Schwerin in Gartenfl. **42**: 167 (Var. *Acer*, 7) (1893), pro syn.

**A. rubrum** var. **trilobum** Torrey & Gray ex K. Koch, Hort. Dendr. **80** (1853) "8."

*Acer rubrum* β. Torrey & Gray, Fl. N. Am. **1**: 249 (1838).

*Acer rubrum* β. *tridens* Wood, Class-book Bot. 286 (1861).—Sargent, Silva N. Am. **13**: 11, t. 626 (1902) "var."

*Acer semiorbiculatum* Pax in Bot. Jahrb. **7**: 181 (1886).

*Acer rubrum* subsp. *semiorbiculatum* Wesmael in Bull. Soc. Bot. Belg. **29**: 29 (1890).—Schwerin in Gartenfl. **42**: 167 (Var. *Acer*, 7) (1893) "f."

*Acer rubrum* f. *microphyllum* Schwerin, l. c. (1893), vix *A. m.* Pax (1886).

**A. rubrum** var. **tomentosum** (Desf.) K. Koch, Hort. Dendr. **80** (1853) "γ."—Wesmael in Belg. Hort. **9**: 351 (1859).—Dansereau in Naturaliste Canad. **72**: 128 (1945) "f."

*Acer tomentosum* Desfontaines, Tabl. Écol. Bot. Paris, ed. 3, 136 (1829).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 38 (1902).

- Acer microphyllum* Pax in Bot. Jahrb. **7**: 180 (1886), non Opiz (1824), nec Kirchner (1864).  
*Acer rubrum* subsp. *microphyllum* Wesmael in Bull. Soc. Bot. Belg. **29**: 29 (1890).  
*Acer fulgens* Hort. ex Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 38 (1902), pro syn.
- A. rubrum** var. **Drummondii** (Hook. & Arn.) Torrey & Gray, Fl. N. Am. **1**: 684 (1840).—Wittmack in Gartenfl. **39**: 613 (1890).—Späth in Gartenfl. **41**: 337, t. 1374 (1892).—Schwerin in Gartenfl. **42**: 167 (Var. Acer, 7) (1893) "var. *latifolium* f. *D.*"  
*Acer Drummondii* Hooker & Arnott in Hooker Jour. Bot. **1**: 200 (1834).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 38 (1902).  
*Acer rubrum* var. *latifolium* Schwerin in Gartenfl. **42**: 167 (Var. Acer, 7) (1893).  
*Rufacer Drummondii* Small, Man. Southeast. Fl. 826, 1505 (1933).
- A. pycnanthum** K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 250 (1863).—Maximowicz in Bull. Acad. Sci. St. Pétersb. **26**: 437 (in Mém. Biol. **10**: 591) (1880).  
*Acer rubrum* sensu Makino in Bot. Mag. Tokyo, **16**: 93 (1902).—Koidzumi in Jour. Coll. Sci. Tokyo, **32**: 1: 27, t. 16 (1911).—Non Linnaeus (1753).  
*Acer rubrum* var. *pycnanthum* Makino in Bot. Mag. Tokyo, **26**: 148 (1912).
- A. saccharinum** Linnaeus, Sp. Pl. 1055 (1753).—Sargent, Silva N. Am. **2**: 103, t. 93 (1891).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 38 (1902).  
*Acer rubrum* sensu Lamarck, Encycl. Méth. Bot. **2**: 380 [1788], exclud. var.  $\beta$ ; non Linnaeus (1753).  
*Acer dasycarpum* Ehrhart, Beitr. Naturk. **4**: 24 (1789).—Pax in Bot. Jahrb. **7**: 179 (1886).  
*Acer rubrum*  $\beta$ . *pallidum* Aiton, Hort. Kew. **3**: 434 (1789).  
*Acer rubrum mas* Schmidt, Oester. Allg. Baumz. **1**: 20, t. 7 (1792).  
*Acer collinsonia* Thunberg (praeses; resp. J. L. Aschan), Diss. de Acere, 6 (1793); Diss. Acad. Upsal. Hab. **2**: 341 (1800).  
*Acer eriocarpum* Michaux, Fl. Bor.-Am. **2**: 203 (1803).  
*Acer Saira* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 189 (1864), nom. subnud.  
*Acer Wagnerii* Hort. ex Kirchner, l. c. (1864), nom. subnud.  
*Acer Pavia* Hort. ex K. Koch, Dendr. **1**: 541 (1869), pro syn.  
*Acer dasycarpum* var. *typicum* f. *genuinum* Schwerin in Gartenfl. **42**: 162 (Var. Acer, 2) (1893).  
*Acer saccharinum* var. *a. normale* Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 39 (1902).  
*Argentacer saccharinum* Small, Man. Southeast. Fl. 825, 1505 (1933).
- A. saccharinum** f. **laciniatum** (Carr.), grad. nov.  
*Acer Wagneri laciniatum* Carrière in Rev. Hort. **1868**: 387, fig. 41 (1868).  
*Acer dasycarpum Wieri laciniatum* Späth ex Monatsschr. Ver. Beförd. Gartenb. Preuss. **22**: 20, fig. 2 (1879).  
*Acer dasycarpum heterophyllum laciniatum* Anon. in Garden, **20**: 167, fig. (1881).  
*Acer Wieri laciniatum* Goeschke in Wien. Ill. Garten-Zeit. **7**: 411 (1882).  
*Acer dasycarpum* subvar. *laciniatum* Pax in Bot. Jahrb. **7**: 180 (1886).  
*Acer dasycarpum* var. *laciniatum* f. *Wieri* Schwerin in Gartenfl. **42**: 166, fig. 21 (Var. Acer, 5) (1893).
- Acer dasycarpum* var. *laciniatum* f. *heterophyllum* Schwerin, l. c. fig. 22 (1893).  
*Acer saccharinum* var. *Wieri* Rehder in Bailey, Cycl. Am. Hort. [**1**]: 12 (1900).—Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 39 (1902) "var.  $\gamma$ . *laciniatum* f. *Wieri*".  
*Acer saccharinum* var. *heterophyllum* Rehder in Bailey, Cycl. Am. Hort. [**1**]: 12 (1900).—Pax, l. c. (1902) "var. *laciniatum* f. *h.*"  
*Acer saccharinum* var.  $\gamma$ . *laciniatum* f. *heterophyllum* Pax, l. c. (1902).  
*Acer dasycarpum* var. *heterophyllum* Bean, Trees Shrubs Brit. Isl. **1**: 140 (1914).  
*Acer dasycarpum Skinneri* Naperville Nurs. Trade List Spring **1937**: 3 (1937), nom.; cf. Am. Nurseryman, **68** (no. 8): 13, fig. (1938).  
*Argentacer saccharinum* var. *laciniatum* Moldenke in Castanea, **9**: 53 (1944).
- A. saccharinum** f. **tripartitum** (Schwerin) Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 39 (1902) "var.  $\beta$ . *subtrilobatum* f. *t.*"  
*Acer dasycarpum* var. *subtrilobatum* f. *tripartitum* Schwerin in Gartenfl. **42**: 163, fig. (Var. Acer, 5) (1893).  
*Acer saccharinum* var. *tripartitum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**1**]: 12 (1900).
- A. saccharinum** f. **lutescens** (Späth) Pax, l. c. (1902) "var.  $\delta$ . *coloratum* Wesmael f. *l.*"  
*Acer dasycarpum lutescens* Späth, Kat. (1883) [ex Wittmack] in Garten-Zeit. **2**: 513, t., fig. 5 (1883).  
*Acer dasycarpum* var. *coloratum* Wesmael f. *lutescens* Schwerin in Gartenfl. **42**: 163 (Var. Acer, 3) (1893).  
*Acer saccharinum* var. *lutescens* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**1**]: 12 (1900).
- A. saccharinum** f. **pendulum** (Nichols.) Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 39 (1902).  
*Acer dasycarpum* var. *pendulum* Nicholson in Gard. Chron. ser. 2, **15**: 137 (1881).—Schwerin in Gartenfl. **42**: 163 (Var. Acer, 5) (1893) "var. *subtrilobatum* f. *pendulum* Späth."
- A. saccharinum** f. **pyramidale** (Späth) Pax in Engler, Pflanzenreich IV. **163**(Heft 8): 39 (1902) "var. *a. normale* f. *p.*"  
*Acer dasycarpum pyramidale* Späth, Kat. (1885) ex Schwerin in Gartenfl. **42**: 162 (Var. Acer, 3) (1893) "var. *typicum* f. *8. p.*"
- Ser. 13. TRIFOLIATA (Pax), grad. nov.  
*Acer* sect. *Trifoliata* Pax in Bot. Jahrb. **6**: 326 (1885); **7**: 203 (1886); in Engler, Pflanzenreich, IV. **163**(Heft 8): 29 (1902), spec. nonnull. exclud.  
*Acer* sect. *Coelocarpa* Pax in op. cit. **6**: 328 (1885); **11**: 80 (1889).  
*Acer* sect. *Trifoliata* ser. *Grisea* et ser. *Manshurica* Poirakova in Act. Inst. Bot. Acad. Sci. U. R. S. S. ser. 1, **1**: 363 (1933).
- A. nikoëense** Maximowicz in Bull. Acad. Sci. St. Pétersb. **12**: 227 (in Mém. Biol. **6**: 370. 1868) (1867, Nov.).—Rehder in Sargent, Trees & Shrubs, **1**: 181 (1905).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 238 (1939).  
*Acer Maximowiczianum* Miquel in Arch. Néerl. Sci. Nat. **2**: 472, 478 (1867, Dec.), nom.  
*Negundo Nikoense* Nicholson in Gard. Chron. n. ser., **16**: 815 (1881).



*Acer* (continued)

**A. triflorum** Komarov in Act. Hort. Petrop. **18**: 430 (1901); **22**: 728, fig. 15 (Fl. Mansh. II.) (1904).—Nakai, Fl. Sylv. Kor. **1**: 17, t. 11 (1915).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 236 (1939).

**A. griseum** (Franch.) Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 30, fig. 5 (1902).—Fang in op. cit. 240 (1939).

*Acer nikoense* var. *griseum* Franchet in Jour. de Bot. **8**: 294 (1894).

**A. mandshuricum** Maximowicz in Bull. Acad. Sci. St. Pétersb. **12**: 228 (in Mém. Biol. **6**: 371. 1868) (1867, Nov.).—Nakai, Fl. Sylv. Kor. **1**: 16, t. 10 (1915).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 234 (1939).

*Negundo mandshuricum* Budishchef in Zapisk. Sibirsk. Otd. Russk. Geog. Obsch. **9-10**: 437 (Opis. Lies. Primorsk. Obl.; pt. **14**: Bot. Opis. Drev. Kust.) (1867).—Nicholson in Gard. Chron. n. ser., **16**: 815 (1881).—Trautvetter in Act. Hort. Petrop. **8**: 171 (1883).

Sect. II. **NEGUNDO** (Boehm.) Pax in Bot. Jahrb. **6**: 327 (1885); in Engler, Pflanzenreich, IV. **163** (Heft 8): 42 (1902).—Koehne, Deutsche Dendr. 372 (1893).\*

*Negundo* Boehmer in Ludwig, Defin. Gen. Pl. ed. auct. emend. 308 (1760).—Rafinesque, New Fl. N. Am. **1**: 47 (1836).

*Rulac* Adanson, Fam. Pl. 383 (1763).

*Negundium* Rafinesque in Med. Repos. New York, hex. **2**, **5**: 352 (1808), nom.; in Jour de Bot. (Desvaux) **2**: 170 (1809), nom.; New Fl. N. Am. **1**: 48 (1836), cum descr.

*Acer* sect. *Trifoliata* Pax in Bot. Jahrb. **6**: 326 (1885); **7**: 203 (1886), p. p.

*Crula* Nieuwland in Am. Midland Nat. **2**: 140 (1911).

*Acer* sect. *Cissifolia* Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 26 (1911).

**A. Henryi** Pax in Hooker's Icon. Pl. **19**: t. 1896 (1889); in Engler, Pflanzenreich, IV. **163** (Heft 8): 30 (1902).—Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **11**: 242 (1939).

*Acer sutchuenense* sensu Veitch in Jour. Hort. Soc. Lond. **29**: 353, fig. 93, 96 (1904), non Franchet (1894).

*Acer Henryi* var. *serrata* Pampanini in Nuov. Giorn. Bot. Ital. n. ser. **17**: 421 (1910).

*Crula Henryi* Nieuwland in Am. Midland Nat. **2**: 142 (1911).

*Acer Henryi* f. *intermedium* Fang in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. **7**: 187 (1932).

*Acer stenobotrys* Franchet mss. ex Fang in op. cit. **11**: 242 (1939), pro syn.

**A. cissifolium** (Sieb. & Zucc.) K. Koch in Ann. Mus. Bot. Lugd.-Bat. **1**: 252 (1864).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 29 (1902).—Koidzumi in Jour. Coll. Sci. Tokyo, **32**, **1**: 26, t. 15 (1911).

*Negundo cissifolium* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **42**: 159 (Fl. Jap. Fam. Nat. **1**: 51) (1845).

*Negundo* (?) *nikoense* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 90 (Prol. Fl. Jap. 22) (1866); in Arch. Néerl. Sci. Nat. **2**: 478 (1867).

\* K. Koch (Dendr. **1**: 543. 1869) is often cited as the author of *A. sect. Negundo*, but he used the term "Gruppe" for his four divisions which are published with descriptions but without names; in Gruppe 4 the name "*Negundo* Mnch. meth. 334" is obviously cited as a synonym and is not intended as the name of the group.

*Crula cissifolia* Nieuwland in Am. Midland Nat. **2**: 141 (1911).

**A. Negundo** Linnaeus, Sp. Pl. 1056 (1753).—Sargent, Silva N. Am. **2**: 111, t. 96 (1891).—Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 42 (1902).

*Negundo aceroides* Moench, Meth. Pl. 334 (1794).

*Negundo virginianum* Medicus, Beytr. Pflanz.-Anat. 439 (1800).

*Negundium fraxinifolium* Rafinesque in Med. Repos. New York, hex. **2**, **5**: 352 (1808); in Jour. de Bot. (Desvaux) **2**: 170 (1809).

*Acer fraxinifolium* Nuttall, Gen. N. Am. Pl. **1**: 253 (1818).

*Negundium americanum* De Candolle ex Loudon, Hort. Brit. 398 (1830), pro syn.

*Negundium trifoliatum* Rafinesque, New Fl. N. Am. **1**: 48 (1836), nom. altern.

*Negundium lobatum* Rafinesque, l. c. (1836), nom. altern.

*Negundium fraxineum* Rafinesque, Med. Fl. **2**: 245 (1830) "*fraxinea*"; nom.; in Gard. Mag. (Loudon) **8**: 248 (1832), nom.—Steudel, Nomencl. Bot. ed. 2, **2**: 188 (1841), pro syn.

*Negundo Negundo* Karsten, Deutsche Fl. 596 (1883).—Sudworth in Gard. & For. **4**: 166 (1891).

*Acer Negundo* var. *vulgare* Pax in Bot. Jahrb. **7**: 211 (1886); in Engler, Pflanzenreich, IV. **163** (Heft 8): 43 (1902) "var.  $\gamma$ ."—Schwerin in Gartenfl. **42**: 200 (Var. Acer, 8) (1893) "subsp."

*Negundo fraxinifolium* C. de Vos, Handb. Boom. Heest. ed. 2, 124 (1887).—Farwell in Am. Midland Nat. **10**: 37 (1926).

*Acer Negundo a. normalis* Kuntze, Rev. Gen. Pl. **1**: 146 (1891).

*Rulac Negundo* Hitchcock, Key Spring Fl. Manhatt. 25 (1894).

*Acer Negundo* f. *rectangulatum*, f. *parallelum*, f. *falcatum*, f. *Koehneanum*, f. *densiflorum* Schwerin in Mitt. Deutsch. Dendr. Ges. **1896** (5): 79, fig. (1896).

*Acer Fauriei* Lévillé in Bull. Soc. Bot. France, **53**: 590 (1906).—Rehder in Sargent, Trees & Shrubs, **2**: 26 (1907), pro syn.

**A. Negundo** f. *variegatum* [Jacques] Kuntze, Rev. Gen. Pl. **1**: 146 (1891).

*Acer Negundo* var. *2. variegatum* Jacques in Jacques & Herincq, Man. Pl. **1**: 257 (1847).

*Negundo fraxinifolium variegatum* Carrière in Rev. Hort. sér. **4**, **1**: 364 (1852).

*Acer Negundo* var. *8. argenteo-variegatum* Wesmael in Belg. Hort. **9**: 351 (1859).

*Negundo fraxinifolium fol. albo-variegatis* Van Houtte in Fl. des Serr. **17**: 117, t. 1781-2 (1867-8).

*Acer Negundo* var. *vulgare a. bicolor* Pax in Bot. Jahrb. **7**: 211 (1886).

*Acer Negundo* var. *pseudo-californicum f. argenteo-variegatum* Schwerin in Gartenfl. **42**: 203 (Var. Acer, **11**) (1893).—Bonamy Cat. 1852 ex Pax in Engler, Pflanzenreich, IV. **163** (Heft 8): 43 (1902) "var. *vulgare* subvar. *2. californicum f. a.*"

**A. Negundo** f. *aureo-variegatum* [Wesmael] Späth ex Schwerin in Gartenfl. **42**: 204 (Var. Acer, **13**) (1893).

*Acer Negundo* var.  *$\gamma$ . aureo-variegata* Wesmael in Belg. Hort. **9**: 351 (1859).

?*Acer Negundo* f. *aureo-maculatum* hort. ex Schwerin in Gartenfl. **42**: 202 (Var. Acer, **11**) (1893).

*Acer Negundo* var. *pseudo-californicum f. aureo-marginatum* Dieck ex Schwerin in Gartenfl. **42**: 202 (Var. Acer, **11**) (1893).

- A. Negundo** f. *auratum* (Späth) Schwerin in Gartenfl. 42: 202 (1893).  
*Acer Negundo auratum* Späth, Kat. (1891) ex Schwerin, l. c. (1893).  
*Acer Negundo Odessanum* H. Rothe, Kat. 1890 ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1902(11): 50 (1902).  
*Acer Negundo californicum aureum* A. Kort in Rev. Hort. Belg. 32: 197, t., fig. 3 (1906).
- A. Negundo** var. *pseudo-californicum* Schwerin in Gartenfl. 42: 202 (Var. *Acer*, 9) (1893).  
*Negundo californicum* Kirchner in Petzold & Kirchner, Arb. Muscav. 190 (1864), non Torrey & Gray (1838).  
*Acer Negundo californicum* Booth Cat. ex Kirchner, l. c. (1864), pro syn.; non Wesmael (1890).  
*Acer Negundo* β. *trifoliatum* Kuntze, Rev. Gen. Pl. 1: 146 (1891), p. p.  
*Acer californicum* Hort. ex Schwerin, l. c. (1893), pro syn.; non Dietrich (1840).  
*Acer Negundo* subsp. *tomentosum* Schwerin in Mitt. Deutsch. Dendr. Ges. 1894(3): 46 (1894).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 42 (1902) "var. β."
- A. Negundo** var. *violaceum* (Kirchn.) Jäger in Jäger & Beissner, Ziergeh. ed. 2, 6 (1884).—Schwerin in Gartenfl. 42: 204 (Var. *Acer*, 13) (1893).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 44 (1902) "var. γ. vulgare subvar. v."  
*Negundo aceroides* 4. *violaceum* Kirchner in Petzold & Kirchner, Arb. Muscav. 190 (1864).  
*Acer Negundo violaceum* Booth Cat. ex Kirchner, l. c. (1864), pro syn.  
*Acer violaceum* hort. ex K. Koch, Dendr. 1: 545 (1869), pro syn.  
*Negundo violaceum* hort. ex K. Koch, l. c. (1869), pro syn.  
*Rulac Nuttalli* Nieuwland in Am. Midland Nat. 2: 137 (1911).  
*Negundo Nuttalli* Rydberg in Bull. Torrey Bot. Club, 40: 55 (1913).
- A. Negundo** var. *interius* (Britton) Sargent in Bot. Gaz. 67: 239 (1919) "var. *interior*."  
*Rulac texana* Small, Fl. Southeast. U. S. 743 (1903), p. p.  
*Acer interior* Britton in Britton, N. Am. Trees, 655, fig. 608 (1908).  
? *Acer Kingii* Britton, l. c. (1908).  
*Rulac interior* Nieuwland in Am. Midland Nat. 2: 139 (1911).  
*Negundo interius* Rydberg in Bull. Torrey Bot. Club, 40: 56 (1913).
- A. Negundo** var. *californicum* (Torr. & Gr.) Sargent in Gard. & For. 4: 148 (1891); Silva N. Am. 2: 112, t. 97 (1891).  
*Negundo californicum* Torrey & Gray, Fl. N. Am. 1: 250, 684 (1838).  
*Acer californicum* D. Dietrich, Syn. Pl. 2: 1283 (1840).—Pax in Engler, Pflanzenreich, IV. 163(Heft 8): 44 (1902).  
*Negundo aceroides* sensu Torrey in U. S. Rep. Expl. Surv. Railr. Mississ. Pacif. Ocean, 4: 74 (1856), vix Moench (1794).  
*Negundo aceroides* var. *californicum* Sargent in Gard. & For. 2: 364 (1889).  
*Acer Negundo* subsp. *californicum* Wesmael in Bull. Soc. Bot. Belg. 29: 43 (1890).  
*Acer Negundo* δ. *Parishianum* Kuntze, Rev. Gen. Pl. 1: 146 (1891).

*Acer californicum* var. *typicum* Schwerin in Gartenfl. 42: 228 (Var. *Acer*, 14) (1893).  
*Rulac californica* Nieuwland in Am. Midland Nat. 2: 139 (1911), p. p.

- A. Negundo** var. *texanum* Pax in Bot. Jahrb. 7: 212 (1886).—Sargent in Bot. Gaz. 67: 239 (1919).  
*Acer californicum* var. *texanum* Pax in Bot. Jahrb. 11: 75 (1889).  
*Rulac Texana* Small, Fl. Southeast. U. S. 743 (1903), p. p.  
*Negundo texanum* Rydberg in Bull. Torrey Bot. Club, 40: 56 (1913).

## Fam. HIPPOCASTANACEAE

- HIPPOCASTANACEAE Torrey & Gray, Fl. N. Am. 1: 250 (1838).—Gray, Bot. Text-book, 256 (1842).—Pax in Nat. Pflanzenfam. III. 5: 273 (1895).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 586 (1940)\*.—NOM. CONSERV. PROPOS. cf. Rehder in Jour. Arnold Arb. 26: 278 (1945).  
*Sapindaceae* Jussieu in Ann. Mus. Hist. Nat. Paris, 18: 476 (1811), p. p.  
*Hippocastaneae* [De Candolle, Théor. Elém. Bot., ed. 2, 44 (1819), "Hippocastanees";] De Candolle, Prodr. 1: 597 (1824).  
*Castaneaceae* Link, Enum. Pl. Hort. Berol. 1: 354 (1821), nom. subnud. et illegit., quia *Castanea* L. est genus Fagacearum (cf. Art. 66).  
*Paviaceae* Horaninov, Prim. Lin. Syst. Nat. 100 (1834).  
*Aesculaceae* Lindley, Nat. Syst. Bot. ed. 2, 84 (1836).  
*Sapindaceae* 3. *Sapindeae* a. *Hippocastaneae* Reichenbach, Handb. Nat. Pflanzensyst. 285 (1837).  
*Aesculeae* Presl (1820) ex Presl, Wseob. Rostlin. 1: 217 (1846).  
*Sapindaceae* trib. *Paviariae* Horaninov, Char. Ess. Fam. Reg. Veg. 182 (1847).  
*Sapindaceae* subord. *Hippocastanaceae* Gray, Bot. Text-book, ed. 3, 405 (1850).  
*Sapindaceae* subord. *Sapindeae* Benth. & Hooker f., Gen. Pl. 1: 389 (1862), p. p. quoad *Aesculus*.  
*Sapindaceae* subfam. *Hippocastanoideae* A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 53 (1864).  
*Sapindaceae* 2. *Hippocastaneae* Drude in A. Schenk, Handb. Bot. 3, 2: 390 (1887).

**AESCULUS** Linnaeus, Sp. Pl. 344 (1753).—Benth. & Hooker f., Gen. Pl. 1: 398 (1862).  
*Esculus* Linnaeus, Gen. Pl. ed. 5, 161, no. 420 (1754).  
*Oesculus* Necker, Elem. Bot. 2: 232 (1790).  
LECTOTYPUS: *A. Hippocastanum* L.

- Sect. I. HIPPOCASTANUM [Mill.] K. Koch, Hort. Dendr. 59 (1853) "A. A. H."; Dendr. 1: 505 (1869) "A. I. H." —Koehne, Deutsche Dendr. 384 (1893).  
*Hippocastanum* Miller, Gard. Dict. abridg. ed. 4, 2(1754). —Gaertner, Fruct. Sem. 2: 135, t. 111 (1791).  
*Aesculus* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 62 (1834), sensu str.  
*Aesculus* § 1. *Aesculus* (DC.) Torrey & Gray, Fl. N. Am. 1: 251 (1838).  
*Aesculus* sect. *Euaesculus* Pax in Nat. Pflanzenfam. III. 5: 275 (1893), p. p.

**A. Hippocastanum** Linnaeus, Sp. Pl. 344 (1753).—Schneider, Ill. Handb. Laubh. 2: 246, fig. 171a, 172 (1909).

\* *Bretschneidera* Hemsl. has been made the type of a distinct family *Bretschneideraceae* Pilger in Nat. Pflanzenfam. Nachtr. 3: 209 [1903], nom. tentat.; Engler, Syllab. Vorles. ed. 9 & 10, 218 (1924); see also Hu in Contrib. Biol. Lab. Sci. Soc. China, 5, 5: 20 (1929) and Tang in Bull. Fan Mem. Inst. Biol. 6: 153 (1935).

**Aesculus Hippocastanum** (continued)

*Aesculus castanea* Gilibert, Fl. Lithuan. 2: 197 (1782); Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 326 (1790).  
*Hippocastanum Aesculus* Cavanilles, Descr. Pl. Lecc. Publ. 458 (1827).

*Hippocastanum vulgare* Gaertner, Fruct. Sem. 2: 135, t. 111 (1791).—Lunell in Am. Midland Nat. 4: 473 (1916).

*Aesculus ohiotensis* Lindley in Bot. Reg. 24: t. 51 (1838), non *A. ohioensis* Michaux (1810).

*Aesculus hippocastanea* Rafinesque, Fl. Med. 2: 219 (1830).  
*?Aesculus (Nebropsis) alba* Rafinesque, Alsogr. Am. 69 (1838).

*?Nebropsis alba* Rafinesque ex B. D. Jackson in Index Kew. 2: 299 (1895).

**A. Hippocastanum f. Baumannii** Schneider, Ill. Handb. Laubh. 2: 247 (1909).

*Aesculus Hippocastanum flore pleno* Loudon, Arb. Brit. 1: 463 (1838).—[Th. Moore] in Gard. Mag. Bot. Hort. 3: 221, fig. (1851).—Lemaire in Ill. Hort. 2: t. 50 (1855).

**A. Hippocastanum f. Memmingeri** [K. Koch] Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903) "(f.)"—Schneider, Ill. Handb. Laubh. 2: 247 (1909).

*Aesculus Memmingeri* K. Koch in Verh. Ver. Beförd. Gartenb. Preuss. ser. 2, 3: 218 (1855).

*Aesculus Hippocastanum* var. *Memmingeri* Rehder in Bailey, Cycl. Am. Hort. [1]: 31 (1900).

**A. Hippocastanum f. luteo-variegata** (West.), grad. nov.  
*Aesculus Hippocastanum* 2. *luteo-variegatum* Weston, Bot. Univ. 1: 2 (1770).

*Aesculus Hippocastanum* var. 3. *variegata* Loudon, Arb. Brit. 2: 463 (1838).—Schneider, Ill. Handb. Laubh. 2: 247 (1909) "f."

*?Aesculus Hippocastanum* (f.) *aureo-variegata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903), nom.

**A. Hippocastanum f. albo-variegata** (West.), grad. nov.  
*Aesculus Hippocastanum* 3. *albo-variegatum* Weston, Bot. Univ. 1: 2 (1770).

*?Aesculus Hippocastanum* (f.) *argenteo-variegata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903), nom.

**A. Hippocastanum f. laciniata** [Jacques] Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903), nom.—Schneider, Ill. Handb. Laubh. 2: 247 (1909).

*Aesculus Hippocastanum* var. *laciniata* Cat. Hort. A. Leroy (1843) ex Jacques in Hort. Univ. 5: 288 (1844).

*Aesculus Hippocastanum dissecta* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903), pro syn.

*Aesculus Hippocastanum dissecta heterophylla* hort. ex Schelle, l. c. (1903), pro syn.

*Aesculus Hippocastanum asplenifolia* hort. ex Schelle, l. c. (1903), pro syn.

**A. Hippocastanum f. pyramidalis** [Henry] Simon-Louis ex Schneider, Ill. Handb. Laubh. 2: 247 (1909).

*Aesculus Hippocastanum pyramidalis* Simon-Louis, Prix Courant, 1900-1: 25 (1900), nom.—Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903) "f."; nom.—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 212 (1907) "var."

**A. Hippocastanum f. umbraculifera** [Jäg.] Schelle in Beissner et al., Handb. Laubh.-Ben. 321 (1903) "(f.)"—Schneider, Ill. Handb. Laubh. 2: 247 (1909).

*Aesculus Hippocastanum* var. *umbraculifera* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 16 (1884).

**A. Hippocastanum f. pendula** (Puvill.), grad. nov.

*Aesculus hippocastanum* var. *pendula* Puvillard in Rev. Hort. n. sér., 17: 281, fig. 69 (1921).

**A. carnea** [*A. Hippocastanum* × *Pavia*] Hayne in Guimpel, Otto & Hayne, Abbild. Fremd. Holzart. 25, t. 22 [1821?]; Hayne, Dendr. Fl. 43 (1822).—Watson, Dendr. Brit. 2: t. 121 (1825).—Schneider, Ill. Handb. Laubh. 2: 247 (1909).

*Aesculus rubicunda* Loiseleur-Deslongchamps, Herb. Gén. Amat. 6: t. 367 [1821].—De Candolle, Prodr. 1: 597 (1824); Pl. Rar. Jard. Genève, 88, t. 24 (1829).

*Pavia carnea* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 53 (1834).

*?Pavia Watsoniana* Spach, l. c. (1834).

*Aesculus (hippoc.) barbata* Rafinesque, Alsogr. Am. 70 (1838).

*Aesculus (hippoc.) levigata* Rafinesque, l. c. (1838).

*Aesculus intermedia* André in Rev. Hort. 1867: 246 (1867).

*Aesculus floribunda* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, 1: 81 (1894), pro syn.

*Hippocastanum barbatum*, *H. levigatum*, *H. carneum*, *H. rubicundum* Rafinesque ex B. D. Jackson in Index Kew. 1: 1163 (1895).

*Aesculus spectabilis* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, ed. 2, 125 (1902), pro syn.

**A. carnea f. pendula** (Henry), grad. nov.

*Aesculus carnea* var. *pendula* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, ed. 2, 125 (1902), nom.—Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 218 (1907).

*Aesculus rubicunda* f. *pendula* hort. P. Smith ex Schelle in Beissner et al., Handb. Laubh.-Ben. 322 (1903), nom.

**A. carnea f. Brioti** (Carr.), grad. nov.

*Aesculus rubicunda* *Brioti* Carrière in Rev. Hort. 1878: 370, t. (1878).—Schelle in Beissner et al., Handb. Laubh.-Ben. 322 (1903) "f."

*Aesculus carnea* var. *Briotii* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, ed. 2, 125 (1902).

**A. carnea f. plantierensis** (André), grad. nov.

*Aesculus plantierensis* André in Rev. Hort. 1894: 246 (1894).

*Aesculus carnea* var. *plantierensis* Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 187 [1913].

**A. turbinata** Blume, Rumphia, 3: 195 (1837).—Bean in Bot. Mag. 143: t. 8713 (1917).

*Aesculus chinensis* Hort. ex Schneider, Ill. Handb. Laubh. 2: 246 (1909), non Bunge (1833), pro syn.

*Aesculus japonica* Hort. ex Schneider, l. c. (1909), pro syn.

*Aesculus sinensis* Hort. ex Bean in Bot. Mag. 143: t. 8713 (1917), pro syn.

**A. turbinata** var. *pubescens* Rehder in Jour. Arnold Arb. 3: 219 (1922).

Sect. II. CALOTHYRSUS (Spach) K. Koch, Dendr. 1: 513 (1869).

*Calothyrsus* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 62 (1834).

**A. Wilsonii** Rehder in Sargent, Pl. Wilson. 1: 498 (1913).

*Aesculus chinensis* sensu Diels in Bot. Jahrb. 29: 450 (1900), non Bunge (1833).

- Actinotinus sinensis* Oliver in Hooker's Icon. Pl. 18: t. 1740 (1887); 19: note inserted before t. 1851 (1889, June).—Hemsley in Gard. & For. 2: 124 (1889, March 13).—Rehder in Jour. Arnold Arb. 28: 445 (1947), pro syn.;—Pro parte, quoad fol.; quoad flor. vide *Viburnum plicatum* f. *tomentosum* (Thunb.) Rehd.
- Aesculus indica* sensu Pampanini in Nuov. Giorn. Bot. Ital. n. ser. 17: 423 (1910), non (Cambess.) Hooker (1859).
- A. chinensis** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 84 (Enum. Pl. Chin. Bor. 10. 1833) (1835).—Rehder in Jour. Arnold Arb. 7: 225 t. 2 (1926).
- A. californica** (Spach) Nuttall in Torrey & Gray, Fl. N. Am. 1: 251 (1838).—Sargent, Silva N. Am. 2: 61, t. 71, 72 (1891).
- Calothyrsus californica* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 62 (1834).
- Pavia californica* Hartweg in Jour. Hort. Soc. Lond. 2: 123 (1847), in textu.
- Hippocastanum Californicum* Greene, Man. Bot. Reg. S. Francisco Bay, 73 (1894).
- A. indica** [Cambessèdes] Hooker in Bot. Mag. 85: t. 5117 (1859).—Van Houtte, Fl. des Serr. 13 (1858): 125, t. 1358 (1860).—Hiern in Hooker f., Fl. Brit. Ind. 1: 675 (1875).
- Aesculus* (*Pavia*) *indica* Colebrooke Herb. 1824 ex Wallich, Num. List, no. 1188 (1829), nom.
- Pavia indica* Wallich ex Cambessèdes in Jacquemont, Voy. Inde, 4(Bot.): 31, t. 35 (1844).
- Sect. III. PAVIA [Mill.] Persoon, Syn. Pl. 1: 403 (1805) "*A.\*\*P.*"—K. Koch, Hort. Dendr. 60 (1853) "*A. b. P.*"—Koehne, Deutsche Dendr. 384 (1893) "*Pawia.*"
- Pavia* Miller, Gard. Dict. abridg. ed. 4, 3 (1754).—Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 52 (1834).—Kuntze, Rev. Gen. Pl. 1: 145 (1891) "*Pawia*".
- Paviana* Rafinesque, Fl. Ludovic. 87 (1817).
- Nebropsis* Rafinesque, Alsogr. Am. 68 (1838).
- Pavia* subgen. *Dionixila* Rafinesque, op. cit. 72 (1838), nom. tentat.
- Ser. 1. OCTANDRAE Sargent, Trees & Shrubs, 2: 270 (1913).
- A. glabra** Willdenow, Enum. Pl. Hort. Berol. 405 (1809).—Sargent, Silva N. Am. 2: 55, t. 67, 68 (1891).
- Pavia ohioensis* Michaux f., Hist. Arb. Am. Sept. 3: 242 (1813).
- Aesculus echinata* Muhlenberg, Cat. Pl. Am. Sept. 38 (1818).
- Aesculus ohioensis* De Candolle, Prodr. 1: 597 (1824).
- Pavia glabra* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 54 (1834).
- Aesculus muricata* Rafinesque, Alsogr. Am. 68 (1838).
- Aesculus ochroleuca* Rafinesque, l. c. (1838).
- Aesculus verrucosa* Rafinesque, op. cit. 69 (1838).
- Nebropsis glabra*, *N. muricata*, *N. ochroleuca*, *N. verrucosa* Rafinesque ex B. D. Jackson in Index Kew. 2: 299 (1895).
- A. glabra** f. *pallida* (Willd.) hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 322 (1903) "(f.)"—Fernald in Rhodora, 39: 318 (1937).
- Aesculus pallida* Willdenow, Enum. Pl. Hort. Berol. 406 (1809).
- Pavia pallida* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 54 (1834).
- Aesculus glabra* β. *pallida* K. Koch, Hort. Dendr. 59 (1853).
- Nebropsis pallida* Rafinesque ex B. D. Jackson in Index Kew. 2: 299 (1895).
- A. glabra** var. *leucodermis* Sargent, Trees & Shrubs, 2: 262 (1913).
- A. glabra** var. *Sargentii* Rehder in Jour. Arnold Arb. 7: 241 (1926).
- Aesculus glabra* var. *arguta* Robinson in Gray, Syn. Fl. N. Am. 2, 1: 447 (1897), p. p.
- Aesculus arguta* sensu Mackenzie & Bush, Man. Fl. Jackson Co., Mo., 128 (1902), non Buckley (1860).
- Aesculus glabra* var. *Buckleyi* Sargent, Silva N. Am. 14: 99 (1902), quoad distrib. "Iowa & Kansas"; Trees & Shrubs, 2: 262 (1913).
- Hippocastanum glabrum* var. *Buckleyi* Lunell in Am. Midland Nat. 5: 97 (1917).
- Aesculus Buckleyi* Bush in Am. Midland Nat. 12: 24 (1930).
- A. glabra** var. *monticola* Sargent in Jour. Arnold Arb. 5: 41 (1924).
- A. marylandica** (*A. glabra* × *octandra*) Booth ex Kirchner in Petzold & Kirchner, Arb. Muscav. 168 (1864), nom.—Booth Cat. ex Dippel, Handb. Laubh. 2: 403 (1892).
- Aesculus glabra* f. *marylandica* Koehne ex Schelle in Beissner et al., Handb. Laubh.-Ben. 322 (1903).
- A. arguta** Buckley in Proc. Acad. Nat. Sci. Philad. 1860: 443 (1860).—Sargent, Trees & Shrubs, 2: 261, t. 198 (1913).
- Aesculus glabra* var. *arguta* Robinson in Gray, Syn. Fl. N. Am. 1, 1: 447 (1897), p. p. typ.
- Aesculus glabra* var. *Buckleyi* Sargent, Silva N. Am. 14: 99 (1902), p. p. typ.
- A. octandra** Marshall, Arbust. Am. 4 (1785).—Sargent, Silva N. Am. 2: 59, t. 69, 70 (1891).
- Aesculus lutea* Wangenheim in Schrift. Ges. Naturf. Fr. Berlin, 8: 129, t. 6 (1788).
- Aesculus flava* Aiton, Hort. Kew. 1: 494 (1789).
- Pavia flava* Moench, Meth. Pl. 66 (1794).
- Pavia lutea* Poiret, Encycl. Méth. Bot. 5: 95 (1804).
- Paviana flava* Rafinesque, Fl. Ludovic. 87 (1817).
- Aesculus* (*Nebropsis*) *hystrix* Rafinesque, Alsogr. Am. 69 (1838), descr. confusa.
- ?*Pavia bicolor* Rafinesque, op. cit. 74 (1838).
- Aesculus Pavia* 1c. *flava* Kuntze, Taschen-Fl. Leipzig, 201 (1867).
- A. octandra** f. *virginica* (Sarg.) Fernald in Rhodora, 39: 318 (1937).
- Aesculus octandra* var. *virginica* Sargent in Jour. Arnold Arb. 2: 119 (1920).
- A. octandra** f. *vestita* (Sarg.) Fernald, l. c. (1937).
- Aesculus octandra* var. *vestita* Sargent in op. cit. 5: 42 (1924).
- A. glaucescens** Sargent, Trees & Shrubs, 2: 257, t. 196 (1913).
- A. neglecta** Lindley in Bot. Reg. 12: t. 1009 (1826).—Rafinesque, Alsogr. Am. 70 (1838).—Sargent in Jour. Arnold Arb. 5: 43 (1924).
- Aesculus sylvatica* Bartram, Travels N. & S. Carol. 476 (1791), nom. subnud.—Fernald in Rhodora, 46: 47 (1944).—Merrill in Bartonina, 23: 22 (1945).
- Aesculus Virginiana* Bartram, op. cit. 393 (1791), nom. altern.

**Aesculus neglecta** (*continued*)

- Pavia neglecta* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 55 (1834).  
*Nebroopsis neglecta* Rafinesque ex B. D. Jackson in Index Kew. 2: 299 [1894].
- A. neglecta** var. *georgiana* (Sarg.) Sargent in Jour. Arnold Arb. 5: 45 (1924).  
*Aesculus georgiana* Sargent, Trees & Shrubs, 2: 359, t. 197 (1913).
- A. neglecta** var. *lanceolata* (Sarg.) Sargent in Jour. Arnold Arb. 5: 46 (1924).  
*Aesculus georgiana* var. *lanceolata* Sargent in op. cit. 2: 120 (1920).
- A. neglecta** var. *pubescens* (Sarg.) Sargent in op. cit. 5: 45 (1924).  
*Aesculus georgiana* var. *pubescens* Sargent, Trees & Shrubs, 2: 259 (1913).
- A. neglecta** var. *tomentosa* Sargent in Jour. Arnold Arb. 5: 46 (1924).  
*Aesculus Michauxii* Hort. ex Sargent, l. c. (1924), pro syn.; non *Pavia M.* Spach (1834).  
*Aesculus Lyonii* Hort. ex Sargent, l. c. (1924), pro syn.; vix Loudon (1838).  
*Aesculus discolor* Hort. ex Sargent, l. c. (1924), pro syn.; non Pursh (1814).  
*Aesculus humilis* Hort. ex Sargent, l. c. (1924), pro syn.; non Lindley (1826).  
*Pavia discolor* in Herb. Kew. Arb. 1010 ex Sargent, l. c. (1924), pro syn.; non Spach (1834).  
*Pavia rubra* in Herb. Kew. Arb. 3158 ex Sargent, l. c. (1924), pro syn.; non Lamarck (1793).  
*Aesculus rubra carnea superba* et *A. rubra carnea pubescens* Hort. Ellwanger & Barry ex Sargent, l. c. (1924), pro syn.
- A. woerlitzensis** Koehne in Repert. Sp. Nov. Reg. Veg. 11: 396 (1912).
- A. woerlitzensis** var. *Ellwangeri* Rehder in Mitt. Deutsch. Dendr. Ges. 1913(22): 258 [1914].  
*Aesculus rubra Whitleyi* Hort. Ellwanger & Barry ex Rehder, l. c. (1914), pro syn.; non *A. Pavia* var. *Whitleyi* Hort. ex Rehder (1900).  
*Aesculus atosanguinea* Hort. Ellwanger & Barry ex Rehder, l. c. (1914), pro syn.; non *A. Pavia* var. *atosanguinea* Hort. ex Rehder (1900).
- A. hybrida** [*A. octandra* × *Pavia*] De Candolle, Cat. Hort. Monsp. 75 (1813).—Sargent, Trees & Shrubs, 2: 266 (1913), in nota.  
*Aesculus discolor* sensu Lindley in Bot. Reg. 4: t. 310 (1818), non Pursh (1814).  
*Pavia hybrida* De Candolle, Prodr. 1: 598 (1824).  
*Aesculus Pavia* sensu Watson, Dendr. Brit. 2: t. 164 (1825), non Linnaeus (1753).  
*Pavia hybrida* var. *arguta* Lindley in Bot. Reg. 12: t. 993 (1826).  
*Pavia versicolor* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 57 (1834).  
*Aesculus versicolor* Wenderoth in Ind. Sem. Hort. Acad. Marburg. 1853: 4 (1853).—Dippel, Handb. Laubh. 2: 404 (1892).  
*Aesculus flava* var. *purpurascens* Gray, Man. Bot. N. U. S. ed. 2, 83 (1856), p. p.  
*Aesculus octandra* var. *hybrida* Sargent, Silva N. Am. 2: 60 (1891), p. p. typ.
- Aesculus Lyonii* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 32 (1900), pro syn.  
*Pavia Lyonii* Hort. ex Rehder, l. c. (1900), pro syn.
- A. arnoldiana** (*A. glabra* × *hybrida*) Sargent in Jour. Arnold Arb. 5: 42 (1924).
- A. Bushii** [*A. glabra* × *discolor* var. *mollis*] Schneider, Ill. Handb. Laubh. 2: 251 (1909) "*A. glabra* × *?austrina*".—Sargent, Trees & Shrubs, 2: 268 (1913); in Jour. Arnold Arb. 2: 120 (1920).
- A. mississippiensis** (*A. glabra* × *Pavia*) Sargent in Jour. Arnold Arb. 2: 121 (1920).
- A. Dupontii** (*A. neglecta* × *Pavia*) Sargent in Jour. Arnold Arb. 5: 46 (1924) "*Du Pontii*".—Rehder, Man. Cult. Trees Shrubs, 582 (1927).
- A. Dupontii** var. *Hessei* (*A. neglecta georgiana* × *Pavia*) Sargent in op. cit. 47 (1924) "*Du Pontii* var. *H.*".
- A. mutabilis** [*A. discolor mollis* × *neglecta georgiana*] (Spach) Schelle in Beissner et al., Handb. Laubh.-Ben. 323 (1903).—Sargent in Jour. Arnold Arb. 5: 47 (1924).  
*Pavia mutabilis* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 57 (1834).  
*Aesculus discolor* × *lutea* Koehne, Deutsche Dendr. 386 (1893).  
*Aesculus Pavia mutabilis* Hort. Spaeth ex Sargent in Jour. Arnold Arb. 5: 47 (1924), pro syn.
- A. mutabilis** var. *Harbisonii* [*A. discolor mollis* × *neglecta georgiana*] (Sarg.) Rehder in Jour. Arnold Arb. 7: 241 (1926).  
*Aesculus Harbisonii* (*A. georgiana* × *discolor mollis*?) Sargent, Trees & Shrubs, 2: 259 (1913).
- A. mutabilis** var. *induta* (*A. discolor mollis* × *neglecta*) Sargent in Jour. Arnold Arb. 5: 48 (1924).  
*Aesculus rosea nana* Hort. Hesse ex Sargent, l. c. (1924), pro syn.
- A. mutabilis** var. *penduliflora* (*discolor mollis* × *neglecta*) Sargent, l. c. (1924).  
*Aesculus humilis* × *lutea* Hort. Spaeth ex Sargent, l. c. (1924), pro syn.

Ser. 2. EUPAVIAE Sargent, Trees & Shrubs, 2: 270 (1913).

**A. Pavia** Linnaeus, Sp. Pl. 344 (1753).—Sargent, Trees & Shrubs, 2: 265, t. 199 (1913).

?*Aesculus florida* Bartram, Travels N. & S. Carol. 401 (1791) "*Florid.*", cum descr. manca.—Rafinesque, Alsogr. Am. 70 (1838).—Fernald in Rhodora, 46: 48 (1944) "*floridana*", nom. dub.—Merrill in Bartonia, 23: 22 (1945), nom. dub.

*Pavia rubra* Lamarck, Tabl. Encycl. Méth. Bot. Rec. Planch. 2: 407, t. 273 (1793).—Poirot, Encycl. Méth. Bot. 5: 94 (1804).

*Paviana coccinea* Rafinesque, Fl. Ludovic. 87 (1817).

*Pavia Michauxii* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 61 (1834); Hist. Nat. Vég. Phan. 3: 32, t. 18 (1834).

*Pavia longiflora* Rafinesque, Alsogr. Am. 72 (1838).

*Aesculus Whitleyi* hort. ex Sargent, Trees & Shrubs, 2: 265 (1913), pro syn.

*Aesculus Pavia* var. *Whitleyi* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 32 (1900).

**A. Pavia** f. *atosanguinea* [Kirchn.] Schelle in Beissner et al., Handb. Laubh.-Ben. 323 (1903) "(f.)".

- Pavia atropurpurea* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 58 (1834).
- Aesculus Pavia* 2. *atrosanguinea* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 169 (1864). — Jäger, Ziergeh. 90 (1865) "var."
- Aesculus Pavia atropurpurea* hort. et *A. P. splendens* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 323 (1903), pro syn.
- A. Pavia** var. **humilis** (Lindl.) Mouillefert, Arb. Arbriss. 2: 709 (1894). — Rehder in Jour. Arnold Arb. 3: 219 (1922).
- Aesculus humilis* Loddiges ex Lindley in Bot. Reg. 12: t. 1018 (1826).
- Pavia humilis* G. Don ex Loudon, Hort. Brit. 143 (1830). — G. Don, Gen. Syst. Dichlam. Pl. 1: 653 (1831).
- Pavia rubra* var. 4. *humilis* Loudon, Arb. Brit. 1: 470 (1838).
- Pavia rubra* var. 5. *humilis pendula* Loudon, l. c. (1838).
- Aesculus Pavia* a. *nana* Dippel, Handb. Laubh. 2: 404 (1892).
- Pavia pendula* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 1: 85 (1894), pro syn.
- Aesculus Pavia* var. *pendula* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 32 (1900).
- A. discolor** Pursh, Fl. Am. Sept. 1: 255 (1814). — Sargent, Trees & Shrubs, 2: 267 (1913).
- Aesculus Pavia* β. *discolor* Torrey & Gray, Fl. N. Am. 1: 252 (1838), p. p.
- Pavia punctata* Rafinesque, Alsogr. Am. 72 (1838).
- Aesculus flava* var. *purpurascens* Gray, Man. Bot. N. U. S. ed. 2, 83 (1856), p. p.
- A. discolor** var. **mollis** (Raf.) Sargent, Trees & Shrubs, 2: 267 (1913).
- Aesculus Pavia* sensu Franz Schmidt, Oester. Allg. Baumz. 1: 40, t. 39 (1792), non Linnaeus (1753).
- Aesculus mollis* Rafinesque, Alsogr. Am. 71 (1838).
- Aesculus Pavia* β. *discolor* Torrey & Gray, Fl. N. Am. 1: 252 (1838), p. p.; non *A. discolor* Pursh (1814).
- Aesculus octandra* var. *hybrida* sensu Sargent, Silva N. Am. 2: 60 (1891), p. p.; non *A. hybrida* De Candolle (1813).
- Aesculus austrina* Small in Bull. Torrey Bot. Club, 28: 359 (1901); Fl. Southeast. U. S. 739 (1903). — Sargent, Silva N. Am. 13: 3, t. 622 (1902).
- A. discolor** var. **Koehnei** Rehder in Jour. Arnold Arb. 3: 219 (1922).
- Aesculus humilis* sensu Koehne, Deutsche Dendr. 386 (1893), non Loddiges ex Lindley (1826).
- Aesculus Pavia* var. *humilis* sensu Voss, Vilmor. Blumen-gärt. 1: 184 [1894], non *A. humilis* Lindley (1826).
- A. discolor** var. **flavescens** Sargent, Trees & Shrubs, 2: 267 (1913).
- Aesculus Pavia* β. *discolor* Gray in Jour. Boston Soc. Nat. Hist. 7, 2: 167 (Pl. Lindheim. II) (1850), p. p.
- Aesculus flava* sensu Coulter in Contrib. U. S. Nat. Herb. 2: 65 (Bot. W. Tex.) (1891), non Aiton (1789).
- Aesculus octandra* sensu Sargent, Silva N. Am. 2: 60 (1891), p. p. quoad pl. texan.; non Marshall (1785).
- A. splendens** Sargent, Trees & Shrubs, 2: 269, t. 200 (1913).
- Sect. iv. **MACROTHYRSUS** (Spach) K. Koch, Dendr. 1: 514 (1869).
- Macrothyrsus* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 61 (1834).
- A. parviflora** Walter, Fl. Carol. 128 (1786). — Small in Addisonia, 2: 45, t. 63 (1917).
- Aesculus* vel *Pavia* [spec.] Bartram, Trav. N. & S. Carol. 395 (1791), cum descr.
- Aesculus macrostachya* Michaux, Fl. Bor.-Am. 1: 220 (1803).
- Pavia alba* Poirer, Encycl. Méth. Bot. 5: 95 (1804).
- Pavia edulis* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd., 3: t. 88, fasc. 15 [1809].
- Aesculus odorata* F. G. Dietrich, Vollst. Lex. Gärtn. Bot. Nachtr. 1: 118 (1815).
- Pavia macrostachya* Loiseleur, Herb. Amat. 3: t. 212 (1819).
- Aesculus monostachya* Eaton, Man. Bot. N. Stat. ed. 5, 94 (1829) sphalm., corrected in ed. 6. — Merrill & Reeder in Barton, 24: 51 (1947), pro syn.
- Macrothyrsus discolor* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 61 (1834).
- Macrothyrsus odorata* Rafinesque, Alsogr. Am. 75 (1838).
- Aesculus stolonifera* Bartram trav. 395 ex Rafinesque, l. c. (1838), pro syn.
- A. parviflora** f. **serotina** Rehder in Jour. Arnold Arb. 9: 30 (1928).

## Fam. SAPINDACEAE

- SAPINDACEAE** Jussieu in Ann. Mus. Hist. Nat. Paris, 18: 476 (1811). — Bentham & Hooker f., Gen. Pl. 1: 388 (1862), exclud. gen. nonnull. — Radlkofer in Engler, Pflanzenreich, IV. 165 (Heft 98a): 1 [1931].
- Saponaceae* Ventenat, Tabl. Règ. Vég. 3: 125 (1799).
- Sapindaceae* sect. i. *Paulliniaceae* Humboldt, Bonpland, Kunth, Nov. Gen. Spec. Pl. Aequinoct. 5: 99 (fol. ed. 77) (1821).
- Sapindaceae* sect. III. *Dodoneae* Humboldt, Bonpland, Kunth, op. cit. 5: 130 (fol. ed. 101) (1821). — Blume, Rumphia, 3: 187 (1847).
- Sapindaceae* 3. *Sapindeae* b. *Dodoneae* et c. *Cupanieae* Reichenbach, Handb. Nat. Pflanzensyst. 285 (1837).
- Sapindaceae* trib. *Sapindariae* Horaninov, Char. Ess. Fam. Reg. Veg. 183 (1847).
- Koelreuterieae* J. G. Agardh, Théor. Syst. Pl. 227 (1858).
- Sapindaceae* subfam. *Sapindoideae* A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 53 (1864).
- Sapindaceae* 3. *Sapindinae* Drude in A. Schenk, Handb. Bot. 3, 2: 390 (1887).
- SAPINDUS** Linnaeus, Sp. Pl. 367 (1753); Gen. Pl. ed. 5, 171, no. 448 (1754). — Bentham & Hooker f., Gen. Pl. 1: 404 (1862). — Radlkofer in Engler, Pflanzenreich, IV. 165 (Heft 98b): 630 (1932).
- Dittelasma* Hooker f. in Bentham & Hooker f., Gen. Pl. 1: 395 (1862).
- S. Drummondii** Hooker & Arnott, Bot. Beechey Voy. 281 (1838). — Sargent, Silva N. Am. 13: 5 (1902). — Rehder in Mitt. Deutsch. Dendr. Ges. 1907 (16): 74 [1908]. — Radlkofer in Engler, Pflanzenreich, IV. 165 (Heft 98b): 635 (1932).
- Sapindus Saponaria* sensu Torrey in Ann. Lyc. Nat. Hist. New York, 2: 172 (1827), non Linnaeus (1753).
- Sapindus marginatus* sensu Torrey & Gray, Fl. N. Am. 1: 255 (1838), p. p. — Sargent, Silva N. Am. 2: 71, t. 76, 77 (1891), p. p. — Non Willdenow (1809).
- Sapindus acuminatus* S. Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 116 (1896), p. p.
- Sapindus Saponaria* var. *Drummondii* Benson in Am. Jour. Bot. 30: 239 (1943).

**Sapindus** (*continued*)

**S. Mukorossi** Gaertner, *Fruct. Sem.* **1**: 342, t. 70 (1788). — Rehder & Wilson in Sargent, *Pl. Wilson.* **2**: 191 (1914). — Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98c): 651 [1932], cum syn. plur.

*Sapindus abruptus* Loureiro, *Fl. Cochinch.* 238 (1790).

*Sapindus Saponaria* sensu Loureiro, l. c. (1790), non Linnaeus (1753).

**S. Mukorossi** var. *carinatus* Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98a): 653 [1932].

*Sapindus Mukorossi* × *Rarak* ? Radlkofer in Sitzber. Math.-Phys. Cl. Akad. Wiss. Münch. **8**: 395 (1878).

*Sapindus utilis* Trabut in *Rev. Hort.* **1895**: 303 fig. 90–92 (1895).

**KOELREUTERIA** Laxmann in *Nov. Comment. Acad. Sci. Petrop.* **16** (1771): 561, t. 18 (1772). — Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98g): 1329 [1933].

**K. paniculata** Laxmann l. c. (1772). — Radlkofer in op. cit. 1330 [1933].

*Sapindus chinensis* Murray in Linnaeus, *Syst. Veg.* ed. 13, 315 (1774).

*Koelreuteria paullinoides* L'Héritier, *Sert. Angl.* **11**, t. 19 (1788) "*K. paniculata*" in t. 19.

*Koelreuteria chinensis* Hoffmannsegg, *Verzeich. Pflanzenkult.* **70** (1824).

**K. paniculata** f. *fastigiata* (Bean), grad. nov.

*Koelreuteria paniculata* var. *fastigiata* Bean in *Kew Bull.* **1929**: 101 (1929).

**K. paniculata** var. *apiculata* (Rehd. & Wils.) Rehder in *Jour. Arnold Arb.* **20**: 418 (1939).

*Koelreuteria paniculata* sensu Diels & Pritzel in *Bot. Jahrb.* **29**: 450 (1900), p. p.; non Laxmann (1772).

*Koelreuteria apiculata* Rehder & Wilson in Sargent, *Pl. Wilson.* **2**: 191 (1914). — Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98g): 1333 [1933].

**K. bipinnata** Franchet in *Bull. Soc. Bot. France*, **33**: 463 (1886); *Pl. Delavay.* **143**, t. 29, 30 [1889]. — Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98g): 1332 [1933].

**XANTHOCERAS** Bunge in *Mém. Div. Sav. Acad. Sci. St. Pétersb.* **2**: 85 (*Enum. Pl. Chin. Bor.* **11**. 1833) (1835). — Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98g): 1474, fig. 46 (1934).

**X. sorbifolium** Bunge, l. c. (1833) (1835) "*sorbifolia*". — Rehder in *Jour. Arnold Arb.* **7**: 227 (1926) "*sorbifolia*". — Radlkofer, l. c. (1934).

**UNGNADIA** Endlicher, *Atakta Bot.* t. 36 (1833); *Nov. Stirp.* Dec. 75 (1839). — Radlkofer in Engler, *Pflanzenreich*, **IV**. **165** (Heft 98g): 1476 (1934).  
 TYPUS: *U. speciosa* Endl.

**U. speciosa** Endlicher, l. c. (1833); l. c. (1839). — Sargent, *Silva N. Am.* **2**: 65, t. 73 (1891). — Radlkofer in op. cit. 1477 (1934).

*Ugnadia heptaphylla* Scheele in *Linnaea*, **21**: 589 (1848), sphalm. "*U. heterophylla*"; **22**: 352 (1849).

Fam. **SABIACEAE**

**SABIACEAE** Blume, *Mus. Bot. Lugd.-Bat.* **1**: 368 (1851). — Lindley, *Veg. Kingd.* ed. 3, 467a (1853). — Bentham & Hooker f., *Gen. Pl.* **1**: 413 (1862). — *NOM. CONSERV.*

cf. Sprague, *Syn. Propos. Nomencl. Sixth Intern. Bot. Congr.* **64** (1935) et *Proc. Sixth Intern. Bot. Congr.* **1**: 366 (1936).

*Millingtoniaceae* Wight, *Ill. Ind. Bot.* **1**: 142 (1840).

*Sapindaceae* \* *Meliosmeae* Endlicher, *Gen. Pl.* 1074 (1840).

*Wellingtoniaceae* Meissner, *Gen. Vasc. Pl.* **2** (Comm.): 207 [1840]; in nota.

*Meliosmeae* Liebmann in *Vidensk. Meddel. Naturh. For. Kjøbenh.* **2**: 65 (1850).

**SABIA** Colebrooke in *Trans. Linn. Soc. Lond.* **12**: 355 (1818). — Bentham & Hooker f., *Gen. Pl.* **1**: 414 (1862). — Chen in *Sargentia*, **3**: 1–75, 9 fig. (1943).

*Meniscosta* Blume, *Bijdr. Fl. Nederl. Ind.* **28** (1825). — Dietrich, *Syn. Pl.* **2**: 923 (1840) "*Menicosta*".

*Enantia* Falconer in *Jour. Bot. (Hooker)* **4**: 75 (1841).

*Androglossum* Bentham in Hooker's *Jour. Bot. Kew. Gard. Misc.* **4**: 42 (1851). — Bentham & Hooker f., *Gen. Pl.* **1**: 414 (1862) "*Androglossa*," pro syn.

TYPUS: *S. lanceolata* Colebr.

**S. Schumanniana** Diels in *Bot. Jahrb.* **29**: 451 (1900). — Rehder & Wilson in Sargent, *Pl. Wilson.* **2**: 197 (1914). — Chen in *Sargentia*, **3**: 29 (1943).

**S. latifolia** Rehder & Wilson in Sargent, *Pl. Wilson.* **2**: 195 (1915). — Stapf in *Bot. Mag.* **146**: t. 8859 (1920). — Chen in op. cit. 25 (1943).

**MELIOSMA** Blume, *Cat. Eenig. Merkw. Gewass. Buitenz.* **10**, 32 (1823); in *Flora*, **8**: 105 (1825). — Bentham & Hooker f., *Gen. Pl.* **1**: 414 (1862).

*Millingtonia* Roxburgh, *Fl. Ind.* **1**: 102 (1820), non Linnaeus f. (1781).

*Wellingtonia* Meissner, *Gen. Vasc. Pl.* **2** (Comm.): 207 [1840], in nota.

*Oligostemon* Turczaninow in *Bull. Soc. Nat. Moscou*, **31**, **1**: 447 (1858).

*Kingsboroughia* Liebmann in *Vidensk. Meddel. Naturh. For. Kjøbenh.* **2**: 67 (1850).

*Lorenzanea* Liebmann in op. cit. 69 (1850). — Walpers, *Ann. Bot. Syst.* **3**: 835 (1852).

*Llavea* Planchon in *Ann. Sci. Nat. Bot. sér.* **4**, **3**: 295 (1855), pro syn.; non Lagasca (1816).

*Atelandra* Bello in *Anal. Soc. Españ. Hist. Nat.* **10**: 289 (Apunt. Fl. Puerto Rico) (1881).

?LECTOTYPUS: *M. lanceolata* Bl.

**M. cuneifolia** Franchet in *Nouv. Arch. Mus. Hist. Nat. Paris, sér.* **2**, **8**: 211 (*Pl. David.* **2**: 29. 1888) (1886). — Rehder & Wilson in Sargent, *Pl. Wilson.* **2**: 199 (1914).

*Meliosma myrianthum* sensu Diels in *Bot. Jahrb.* **29**: 451 (1900), non Siebold & Zuccarini (1845).

**M. myriantha** Siebold & Zuccarini in *Abh. Math.-Phys. Cl. Akad. Wiss. Münch.* **42**: 153 (*Fl. Jap. Fam. Nat.* **1**: 45) (1845). — Cufodontis in *Oester. Bot. Zeitschr.* **88**: 259 (1939).

*Meliosma Stewardii* Merrill in *Philipp. Jour. Sci.* **27**: 164 (1925).

**M. tenuis** Maximowicz in *Bull. Acad. Sci. St. Pétersb.* **12**: 63 (*Mél. Biol.* **6**: 262) (1867).

**M. flexuosa** Pampanini in *Nuov. Giorn. Bot. Ital. n. ser.* **17**: 423 (1910).

*Meliosma pendens* Rehder & Wilson in Sargent, *Pl. Wilson.* **2**: 200 (1914). — Rehder in *Man. Cult. Trees Shrubs*, ed. 2, 594 (1940).



- M. dilleniifolia** (Wight & Arn.) Walpers, Repert. Bot. Syst. 1: 423 (1842). — Wallich mss. ex Hooker f., Fl. Brit. Ind. 2: 4 (1876).  
*Millingtonia dilleniifolia* Wight & Arnott in Edinb. New Philos. Jour. 15: 179 (1833).  
*Millingtonia* [sp.] Wallich, Num. List. no. 8116 [1847], nom.
- M. Veitchiorum** Hemsley in Kew Bull. 1906: 155 (1906). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 204 (1914).  
*Meliosma longicalix* Lecomte in Bull. Soc. Bot. France, sér. 4, 7: 675 (1907).
- M. Beaniana** Rehder & Wilson in Sargent, Pl. Wilson. 2: 205 (1914). — A. B. Jackson, Cat. Trees Shrubs Borde Hill, 156, t. 6 (1935).
- M. Oldhami** Miquel in Ann. Must. Bot. Lugd.-Bat. 3: 94 (Prol. Fl. Jap. 258) (1867). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 206 (1914) "*Oldhamii*". — Rehder in Jour. Arnold Arb. 15: 10 (1934). — Koidzumi in Act. Phytotax. Geobot. 12: 117 (1943).  
*Meliosma rhoifolia* Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 12: 63 (in Mém. Biol. 6: 262. 1867) [1867]. — Koidzumi in Act. Phytotax. Geobot. 12: 117 (1943).  
*Meliosma Wallichii* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 146 (1886), non Planchon (1876).  
*Fraxinus Fauriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 8: 285 (1910). — Rehder in Jour. Arnold Arb. 18: 217 (1937), pro syn.  
*Rhus Bofillii* Léveillé in Mem. Acad. Ci. Art. Barcelona, 12: 562 (Cat. Pl. Kiang-Sou, 22) (1916).  
*Meliosma sinensis* Nakai in Jour. Arnold Arb. 5: 80 (1924).  
*Meliosma glandulosa* var. *sinensis* Cufodontis in Oester. Bot. Zeitschr. 88: 253 (1939).  
*Meliosma Oldhamii* var. *sinensis* (Nakai) Cufodontis, l. c. 253 (1939).  
*Meliosma Oldhamii* var. *glandulifera* Cufodontis, l. c. (1939).  
*Meliosma rhoifolia* subsp. *barbulata* Cufodontis in op. cit. 254 (1939).

## Fam. RHAMNACEAE

- RHAMNACEAE** R. Brown ex Dumortier, Florula Belg. 104 (1827), nom. subnud. — Horaninov, Prim. Lin. Syst. Nat. 79 (1834). — Lindley, Nat. Syst. Bot. ed. 2, 107 (1836). — Weberbauer in Nat. Pflanzenfam. III. 5: 393 [1895]. — Nom. CONSERV. cf. Sprague, Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 64 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).  
*Frangulaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. 4, 2: 619 (1805), p. p. typ.  
*Rhamneaceae* D. Don, Prodr. Fl. Nepal. 188 (1825), exclud. *Ilex*; nom. subnud.  
*Rhamneae* a. *Gouaniaceae* Reichenbach, Consp. Reg. Veg. 145 (1828), nom. subnud.  
*Phyllicaceae* Agardh, Theor. Syst. Pl. 186 (1858).  
*Rhamneae* Jaume St. Hilaire, Expos. Fam. 2: 264 (1805). — R. Brown in Flinders, Voy. Terra Austral. 2: 554 (Gen. Remarks Bot. 22) (1814). — De Candolle, Prodr. 2: 19 (1825). — Bentham & Hooker f., Gen. Pl. 1: 371 (1862).

**PALIURUS** Miller, Gard. Dict. abridg. ed. 4, 3 (1754); Gard. Dict. ed. 8 (1768). — Bentham & Hooker f., Gen.

- Pl. 1: 371 (1862). — St.-Lager in Ann. Soc. Bot. Lyon. 7: 131 (1880) "*Paliuros*".  
*Rhamnus* Linnaeus, Sp. Pl. 193 (1753), p. p.  
*Aspidocarpus* Necker, Elem. Bot. 2: 123 (1790).  
*Aubletia* Loureiro, Fl. Cochinch. 283 (1790), non Gaertner (1788).  
**TYPE:** *Rhamnus Paliurus* L. = *P. Spina-Christi* Mill.
- P. Spina-Christi** Miller, Gard. Dict. ed. 8 (1768). — Schneider in Sargent, Pl. Wilson. 2: 211 (1914).  
*Rhamnus Paliurus* Linnaeus, Sp. Pl. 194 (1753).  
*Paliurus australis* Gaertner, Fruct. Sem. 1: 203, t. 43, fig. 5 (1788).  
*Rhamnus horridus* Salisbury, Prodr. Stirp. Chap. Allert. 139 (1796).  
*Paliurus aculeatus* Lamarck, Encycl. Méth. Bot. 4: 697 [1798 ?].  
*Paliurus virgatus* D. Don, Prodr. Fl. Nepal. 189 (1825). — Sims in Bot. Mag. 52: t. 2535 (1825).  
*Paliurus Paliurus* Karsten, Deutsche Fl. 870 [1882].
- P. Hemsleyanus** Rehder in Jour. Arnold Arb. 12: 74 (1931).  
*Paliurus australis* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 225 (Pl. David. 1: 71. 1884) (1883); non Gaertner (1788).  
*Paliurus orientalis* Hemsley in Kew Bull. 1894: 387 (1894), exclud. syn. Franchet et specim. Delavay. — Rehder & Wilson in Jour. Arnold Arb. 8: 165 (1927). — Non *P. australis* var. *orientalis* Franchet [1889].
- ZIZYPHUS** Miller, Gard. Dict. abridg. ed. 4, 3 (1754); Gard. Dict. ed. 8 (1768). — Jussieu, Gen. Pl. 380 (1789). — Bentham & Hooker f., Gen. Pl. 1: 375 (1862). — St.-Lager in Ann. Soc. Bot. Lyon. 7: 70, 137 (1800) "*Zizyphon*".  
*Rhamnus* Linnaeus, Sp. Pl. 193 (1753), p. p.  
*Mansana* J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 580 (1791).  
*Sarcophalus* Rafinesque, Sylva Tellur. 29 (1838), p. p.; non P. Browne (1756).  
*Decorima* Rafinesque, op. cit. 31 (1838), p. p. quoad *D. trinervis*.  
**TYPE:** *Rhamnus Zizyphus* L. = *Z. Jujuba* Mill.
- Z. Jujuba** Miller, Gard. Dict. ed. 8, Z. no. 1 (1768). — Rehder in Jour. Arnold Arb. 3: 220 (1922), in textu. — C. C. Thomas in U. S. Dept. Agric. Bull. 1215: 5, fig. 1, t. 1 (Chin. Jujube) (1924).  
*Rhamnus Zizyphus* Linnaeus, Sp. Pl. 194 (1753).  
*Zizyphus sativa* Gaertner, Fruct. Sem. 1: 202 (1788). — Schneider, Ill. Handb. Laubb. 2: 261, fig. 181g-k, 182d-f (1909); in Sargent, Pl. Wilson. 2: 212 (1914).  
*Zizyphus vulgaris* Lamarck, Encycl. Méth. Bot. 3: 316 [1789]. — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 11: 3 (Rhamn. Or.-As.) (1866).  
*Zizyphus sinensis* Lamarck, Encycl. Méth. Bot. 3: 316 [1789]. — Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 147 (Fl. Jap. Fam. Nat. 1: 39) (1845).  
*Rhamnus lucidus* Salisbury, Prodr. Stirp. Chap. Allert. 139 (1796).  
*Zizyphus chinensis* Lamarck ex Sprengel, Syst. Veg. 1: 770 (1827).  
*Zizyphus vulgaris* a. *spinosa* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 88 (Enum. Pl. Chin. Bor. 14. 1833) (1835).  
*Zizyphus sativa* var. *spinosa* Schneider, Ill. Handb. Laubb. 2: 261 (1909). — Nakai, Fl. Sylv. Kor. 9: 15, t. 2 (1920).

**Zizyphus** (*continued*)

**Z. Jujuba** var. *inermis* (Bunge) Rehder in Jour. Arnold Arb. 3: 220 (1922).

*Zizyphus vulgaris* B. *inermis* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 88 (Enum. Pl. Chin. Bor. 14. 1833) (1835).

*Zizyphus sativa* var. *inermis* Schneider, Ill. Handb. Laubh. 2: 261 (1909).—Nakai, Fl. Sylv. Kor. 9: 15, t. 3 (1920).

**Z. mauritiana** Lamarck, Encycl. Méth. Bot. 3: 319 (1789).

—Rehder in Jour. Arnold Arb. 3: 220 (1922), in textu.

—C. C. Thomas in U. S. Dept. Agric. Bull. 1215: 6 (Chin. Jujube) (1924).

*Rhamnus Jujuba* Linnaeus, Sp. Pl. 194 (1753).

*Zizyphus jujuba* Lamarck, Encycl. Méth. Bot. 3: 318 (1789).—M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 632 (1875).—Non Miller (1768).

*Mansana arborea* J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 580 (1791).

*Rhamnus mauritanus* Willemet in Ann. der Bot. (Usteri) 18: 20 (1796).

*Zizyphus orthacantha* De Candolle, Prodr. 2: 21 (1825).

*Zizyphus rotundata* De Candolle, l. c. (1825).

*Sarcophalus mauritanus* Rafinesque, Sylva Tellur. 29 (1838).

**BERCHEMIA** Necker, Elem. Bot. 2: 122 (1790).—Bentham & Hooker f., Gen. Pl. 1: 377 (1862).

*Oenoplea* Michaux ex Hedwig f., Gen. Pl. 151 (1806).—Schultes in Roemer & Schultes, Syst. Veg. 5: xxvii, 332 (1819) "*Oenoplia*."

TYPE: *Rhamnus volubilis* Lf. = *B. scandens* (Hill) K. Koch.

**B. scandens** (Hill) K. Koch, Dendr. 1: 602 (1869).—Trelease in Trans. Acad. Sci. St. Louis 5: 364 (Contrib. Shaw School Bot. 6: 364. 1889) (1892), nom. event.—Schneider, Ill. Handb. Laubh. 2: 262, fig. 182g, 183a-e (1909).

*Rhamnus scandens* Hill, Hort. Kew. 453, t. 20 (1768).

*Rhamnus volubilis* Linnaeus f., Suppl. Pl. 152 (1781).

*Zizyphus volubilis* Willdenow, Berlin. Baumz. 145 (1796).

*Oenoplea volubilis* Schultes in Roemer & Schultes, Syst. Veg. 5: 332 (1819).

*Berchemia volubilis* De Candolle, Prodr. 2: 22 (1825).

*Berchemia undulata* Rafinesque, Sylva Tellur. 33 (1838).

**B. hypochrysa** Schneider in Sargent, Pl. Wilson. 2: 214 (1914).

**B. polyphylla** Wallich ex M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 638 (1872).—Handel-Mazzetti, Symb. Sin. 7: 672 (1933).

*Berchemia yunnanensis* var. *trichoclada* Rehder & Wilson in Sargent, Pl. Wilson. 2: 217 (1914).

*Berchemia trichoclada* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 58: 149 (Pl. Nov. Sin. Forts. 12: 5) (1921).

**B. polyphylla** var. *leioclada* (Hand.-Mazz.) Handel-Mazzetti, Symb. Sin. 7: 672 (1933).

*Berchemia yunnanensis* sensu Schneider in Sargent, Pl. Wilson. 2: 216 (1914), non Franchet (1886).

*Berchemia trichoclada* var. *leioclada* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 58: 149 (Pl. Nov. Sin. Forts. 12: 5) (1921).

**B. racemosa** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 42: 147 (Fl. Jap. Fam. Nat. 1: 39) (1845).—Schneider in Sargent, Pl. Wilson. 2: 219 (1914).

**B. Giraldiana** Schneider, Ill. Handb. Laubh. 2: 263, fig. 182m-n, 183k (1909).

**RHAMNELLA** Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 30 (Prol. Fl. Jap. 218) (1867).—Weberbauer in Nat. Pflanzenfam. III. 5: 406 [1895].

TYPE: *R. japonica* Miq. = *R. franguloides* (Maxim.) Weberb.

**R. franguloides** (Maxim.) Weberbauer, l. c. [1895].—Nakai, Fl. Sylv. Kor. 9: 18, t. 5 (1920) "*franguloides*". *Microthamnus franguloides* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 411: 4 (Rhamn. Or.-As.) (1866). *Rhamnella japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 30 (Prol. Fl. Jap. 218) (1867).

**SAGERETIA** Brongniart in Ann. Sci. Nat. 10: 359, t. 13, fig. 2 (Mém. Fam. Rhamn. 53) (1827).—Bentham & Hooker f., Gen. Pl. 1: 379 (1862).

*Afarca Rafinesque*, Sylva Tellur. 30 (1838).

*Ampelopsis Rafinesque*, op. cit. 33 (1838).

TYPE: *Rhamnus theezans* L. = *S. theezans* (L.) Brongn.

**S. pycnophylla** Schneider in Sargent, Pl. Wilson. 2: 226 (1914).

**S. theezans** (L.) Brongniart in Ann. Sci. Nat. 10: 359, t. 13, fig. 2 (Mém. Fam. Rhamn. 53) (1827).—Schneider in Sargent, Pl. Wilson. 2: 227 (1914).—Nakai, Fl. Sylv. Kor. 9: 35, t. 15 (1920).

*Rhamnus Thea* Osbeck, Dagb. Ostind. Resa, 232 (1757), nom.; Reise Ostind. China, 302 (1765), nom.

*Rhamnus theezans* Linnaeus, Mant. Pl. 2: 207 (1771).

*Ampelopsis chinensis* Rafinesque, Sylva Tellur. 33 (1830).

**S. minutiflora** (Michx.) Trelease in Trans. Acad. Sci. St. Louis 5: 367 (in Contrib. Shaw School Bot. 6: 367. 1889) (1892), nom. event.—Small, Fl. Southeast. St. 832 (1903).

*Rhamnus minutiflora* Michaux, Fl. Bor.-Am. 1: 154 (1803).

*Sageretia Michauxii* Brongniart in Ann. Sci. Nat. 10: 359 (1827).

*Afarca parviflora* Rafinesque, Sylva Tellur. 30 (1838).

**RHAMNUS** Linnaeus, Sp. Pl. 193 (1753), exclud. sp. non-null.; Gen. Pl., ed. 5, 89, no. 235 (1754).—Bentham & Hooker f., Gen. Pl. 1: 377 (1862).

?*Aspidocarpus* Necker, Elem. Bot. 2: 123 (1790).

?*Hettlingeria* Necker, op. cit. 124 (1790); Rafinesque, Sylva Tellur. 33 (1838), sphalm. "*Hethingeria*".

*Cardiolepis Rafinesque*, First Cat. Bot. Gard. Transylv. 12 (1824), nom.; Neogen. 1 (1825); non Wallroth (1822).

*Sarcophalus Rafinesque*, Sylva Tellur. 29 (1838), p. p.; non P. Browne (1756).

LECTOTYPUS: *R. cathartica* L.

Subgen. I. EURHAMNUS Dippel, Handb. Laubh. 2: 517 (1892).—Heppeler in Archiv. Pharm. 266: 165 (1928), in ser. 13 divisa.—Non sect. *E.* Boissier (1872).

*Rhamnus* Miller, Gard. Dict. abridg. ed. 4, 3 (1754).—Nakai, Fl. Sylv. Kor. 9: 20 (1920).

*Rhamnus* a. *Rhamnus* S. F. Gray, Nat. Arr. Brit. Pl. 2: 621 (1821).

*Atulandra* Rafinesque, Sylva Tellur. 31 (1838).

*Rhamnus* §. *Eurhamnus* Trelease in Trans. Acad. Sci. St. Louis, 5: 365 (in Contrib. Shaw School Bot. 6: 365. 1889) (1892), non Boissier (1872).

- Sect. 1. CERVISPINA [Moench] Koch, Fl. Germ. Helv. 142 (1837).  
*Cervispina* Moench, Meth. Pl. 686 (1794).  
*Lithoplis* Rafinesque, Sylva Tellur. 32 (1838).  
*Rhamnus* sect. *Leptophyllus* Weberb. subsect. *Cervispina* Weberbauer in Nat. Pflanzenfam. III. 5: 409 [1895].
- R. arguta** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 11: 6 (Rhamn. Or.-As.) (1866).—Schneider, Ill. Handb. Laubh. 2: 289, fig. 197l-n, 199h-h<sup>1</sup> (1909) "argutus".
- R. cathartica** Linnaeus, Sp. Pl. 193 (1753) "catharticus".—Schneider, Ill. Handb. Laubh. 2: 287, fig. 197a-c, 199a-d (1909) "catharticus".  
*Rhamnus spinosa* Gilibert, Fl. Lithuan. 2: 132 (1782).  
*Cervispina cathartica* Moench, Meth. Pl. 686 (1794).  
*Rhamnus Wikkor* Lucé, Topogr. Nachr. Ins. Oesel, 62 (1823).  
*Rhamnus Wicklia* Tenore, Cat. Ort. Bot. Napoli, 95 (1845).  
*Rhamnus Willdenowiana* Hort. ex K. Koch, Dendr. 1: 605 (1869), pro syn.; non Roemer & Schultes (1819).
- R. cathartica** var. **pubescens** Bean, Trees Shrubs Brit. Isl. 2: 331 (1914); in Kew Hand-list Trees Shrubs, ed. 4, 242 (1934).  
 ?*Rhamnus Villarsii* sensu Lagger ex Schneider, Ill. Handb. Laubh. 2: 287 (1909), pro syn.; non Jordan (1849).
- R. davurica** Pallas, Reise Russ. Reich. 3(app.): 721 (1776) "dauricus".—Koehne, Deutsche Dendr. 394 (1893) "dahurica".—Nakai, Fl. Sylv. Kor. 9: 30, t. 12 (1920).  
*Rhamnus cathartica* γ. *davurica* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 11: 9 (Rhamn. Or.-As.) (1866).  
*Rhamnus crenata* sensu Sargent in Gard. & For. 9: 424, fig. 56 (1896), non Siebold & Zuccarini (1845).
- R. davurica** var. **nipponica** Makino in Bot. Mag. Tokyo, 18: 98 (1904).—Nakai, Fl. Sylv. Kor. 9: 31, t. 13 (1920).
- R. japonica** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 11: 11, fig. 52-64 (1866).—Schneider in Sargent, Pl. Wilson. 2: 251 (1914) "japonicus".  
*Rhamnus Yoshinoi* Makino in Bot. Mag. Tokyo, 18: 97 (1904).  
*Rhamnus virgata* a. *sylvestris* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 11: 13 (Rhamn. As.-Or.) (1866), p. p.
- R. virgata** Roxburgh, Fl. Ind. 2: 351 (1824).—Schneider in Sargent, Pl. Wilson. 2: 251 (1914).  
*Rhamnus dahuricus* sensu M. Lawson in Hooker f., Fl. Brit. Ind. 1: 639 (1875), exclud. syn. et var.; non *R. davurica* Pallas (1776).
- R. leptophylla** Schneider in Notizbl. Bot. Gard. Berlin, 5: 77 (1908) "leptophyllus".—Rehder in Jour. Arnold Arb. 15: 17 (1934).  
*Rhamnus pruniformis* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 534 (1913).
- R. leptophylla** var. **scabrella** Rehder in Jour. Arnold Arb. 9: 93 (1928).
- R. utilis** Decaisne in Compt. Rend. Acad. Sci. Paris, 44: 1141 (1857).—Schneider in Sargent, Pl. Wilson. 2: 240 (1914).  
*Rhamnus amygdalina* Clémenceau in Rev. Hort. 1870: 580 [1871], non Desfontaines [1798].
- Rhamnus chlorophora* sensu Dippel, Handb. Laubh. 2: 521 (1892), non Decaisne (1857).  
*Rhamnus chadwicki*, Siebenthaler, Cat. no. 136: 51 (1938), nom.
- R. saxatilis** Jacquin, Enum. Stirp. Vindob. 39, 212 (1762).—Schneider, Ill. Handb. Laubh. 2: 282, fig. 193o-o<sup>4</sup>, 196a-e (1909).  
*Lithoplis saxatilis* Rafinesque, Sylva Tellur. 32 (1838).  
*Rhamnus saxatilis* a. *humilis* Neilreich, Fl. Nieder-Oester. 840 (1859).  
*Cervispina saxatilis* Fourreau in Ann. Soc. Linn. Lyon, sér. 2, 16: 356 (Cat. Pl. Rhône, 56) (1868).  
*Rhamnus saxatilis* a. *typica* Beck, Fl. Nieder-Öster. 594 [1892].  
*Rhamnus saxatilis* a. *genuina* Rouy in Rouy & Foucaud, Fl. France, 4: 167 (1897).
- R. infectoria** Linnaeus, Mant. Pl. 49 (1767) "infectorius".—Schneider, Ill. Handb. Laubh. 2: 283, fig. 195a-a<sup>3</sup>, 196f-h<sup>1</sup> (1909) "infectorius".  
*Cervispina infectoria* Fourreau in Ann. Soc. Linn. Lyon, sér. 2, 16: 356 (Cat. Pl. Rhône, 56) (1868).  
*Rhamnus saxatilis* f. *R. infectoria* Rouy in Rouy & Foucaud, Fl. France, 4: 167 (1897).  
*Rhamnus saxatilis* f. *R. infectoria* a. *genuina* Rouy in op. cit. (1897).
- R. tinctoria** Waldstein & Kitaibel, Descr. Icon. Pl. Rar. Hung. 3: 283, t. 255 (1812) "tinctorius".—Non Linnaeus ex Rothmaler in Rep. Spec. Nov. Reg. Veg. 49: 276 (1941).  
*Rhamnus saxatilis* β. *erectus* Neilreich, Fl. Nieder-Oester. 840 (1859).  
*Rhamnus saxatilis* β. *tinctoria* Beck, Fl. Nieder-Öster. 594 [1892].  
*Rhamnus baphiococcus* Rothmaler, l. c. (1941).—Janchen & Neumayer in Oester. Bot. Zeitschr. 91: 262 (1942).
- R. prunifolia** Sibthorp & Smith, Fl. Graec. Prodr. 1: 157 (1806) "prunifolius".—Schneider, Ill. Handb. Laubh. 2: 281, fig. 193m-n<sup>1</sup> (1909) "prunifolius".  
*Rhamnus intermedius* Steudel & Hochstetter in Flora, 10: 74 (1827).  
*Sarcophalus prunifolius* Rafinesque, Sylva Tellur. 29 (1838).  
*Rhamnus adriaticus* Jordan in Ann. Soc. Linn. Lyon, 1849: 268 (Observ. Pl. Nouv. 7: 20. 1849) (1850).  
*Rhamnus Simonii* Hort. Segrez. ex Schneider, Ill. Handb. Laubh. 2: 281 (1909), pro syn.
- R. dumetorum** Schneider in Sargent, Pl. Wilson. 2: 237 (1914).
- R. dumetorum** var. **crenoserrata** Rehder & Wilson in Sargent, Pl. Wilson. 2: 238 (1914).
- R. globosa** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 88 (Enum. Pl. Chin. Bor. 14. 1833) (1835) "globosus".—Schneider in Sargent, Pl. Wilson. 2: 248 (1914) "globosus".  
*Rhamnus chlorophorus* Decaisne in Compt. Rend. Acad. Sci. Paris, 44: 1140 (1875).  
*Rhamnus virgata* β. *aprica* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 4, 11: 13 (Rhamn. Or.-As.) (1866).  
*Rhamnus tinctorius* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 129 (1886), p. p.; non Walstein & Kitaibel (1812).
- R. Rosthornii** Pritzel in Bot. Jahrb. 29: 459 (1900).—Schneider, Ill. Handb. Laubh. 2: 283, fig. 195g-g<sup>2</sup>, 196i (1909).

**Rhamnus** (continued)

- R. parvifolia** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 88 (Enum. Pl. Chin. Bor. 14. 1833) (1835) "*parvifolius*".—Schneider in Sargent, Pl. Wilson. **2**: 250 (1914) "*parvifolius*".—Nakai, Fl. Sylv. Kor. **9**: 28, t. 11 (1920).  
*Rhamnus polymorphus* Turczaninow in Bull. Soc. Nat. Moscou, **15**: 713 (1842).  
*Rhamnus virgata* a. *sylvestris* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **4**, **11**: 13 (Rhamn. Or.-As.) (1866), p. p.  
*Rhamnus virgata* γ. *parvifolia* Maximowicz, Fl. Tangut. **110** (1880).
- R. Bungeana** Vassiliev in Not. Syst. Herb. Bot. Acad. Sci. U. R. S. S. **8**: 123, fig. 1,1 (1940).
- R. spathulaefolia** Fischer & Meyer in Index Sem. Hort. Petrop. **4**: 46 (1838).—Schneider, Ill. Handb. Laubh. **2**: 279, fig. 193a-a<sup>3</sup>, 194g (1909) "*spathulaefolius*".  
*Rhamnus Pallasii* var. *spathulaefolia* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **4**, **11**: 8 (Rhamn. Or.-As.) (1866), in textu.
- R. Pallasii** Fischer & Meyer in Index Sem. Hort. Petrop. **4**: 46 (1838).—Schneider, Ill. Handb. Laubh. **2**: 277, fig. 193c-c<sup>2</sup>, 194b-e<sup>1</sup> (1909).  
*Rhamnus lycioides* sensu Pallas, Fl. Ross. **1**, **2**: 26, t. 13 (1788), non Linnaeus (1762).
- R. Erythroxylon** Pallas, Reise Russ. Reich. **3**(app.): 721 (1776).—Schneider, Ill. Handb. Laubh. **2**: 278, fig. 193b, 194f (1909).
- R. petiolaris** Boissier, Diagn. Pl. Nov. Or. sér. 2, **5**: 75 (1856).—Schneider, op. cit. 288, fig. 195c, 199f (1909).
- R. oleoides** Linnaeus, Sp. Pl. ed. 2, 279 (1762).—Fiori & Paoletti, Fl. Anal. Ital. **2**: 213 (1901).  
*Rhamnus amygdalina* De Candolle, Prodr. **2**: 25 (1825).
- R. Schneideri** Léveillé & Vaniot in Repert. Sp. Nov. Reg. Veg. **6**: 265 (1908).—Nakai, Fl. Sylv. Kor. **9**: 22, t. 6a,c-f (1920).  
*Rhamnus globosa* var. *glabra* Nakai in Bot. Mag. Tokyo, **27**: 130 (1913); **28**: 309 (1914); nom.  
*Rhamnus shozyoensis* var. *glabrata* Nakai, l. c. (1913), nom.  
*Rhamnus glabra* Nakai in op. cit. **31**: 99 (1917).
- R. Schneideri** var. *manshurica* (Nakai) Nakai, Fl. Sylv. Kor. **9**: 23, t. 6b (1920).  
*Rhamnus globosa* sensu Komarov in Act. Hort. Petrop. **25**: 11 (Fl. Mansh. III) (1907), exclud. syn.; non Bunge (1833).  
*Rhamnus parvifolia* sensu Nakai in Jour. Coll. Sci. Tokyo, **26**: 126 (Fl. Kor. I) (1909); **31**: 460 (Fl. Kor. II) (1911); non Bunge (1833).  
*Rhamnus glabra* var. *manshurica* Nakai in Bot. Mag. Tokyo, **31**: 99 (1917).
- R. koraiensis** Schneider in Notizbl. Bot. Gart. Berlin, **8**: 77 (1908); Ill. Handb. Laubh. **2**: 284, fig. 198n-o (1909).—Nakai, Fl. Sylv. Kor. **9**: 25, t. 8 (1920).  
*Rhamnus globosus* sensu Nakai in Jour. Coll. Sci. Tokyo, **25**: 126 (Fl. Kor. I) (1909), non Bunge (1833).
- R. rugulosa** Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 129 (1886) "*rugulosus*".—Schneider, Ill. Handb. Laubh. **2**: 276, fig. 196k-l, 198a-d (1909) "*rugulosus*".  
 Sect. II. ALATERNUS De Candolle, Prodr. **2**: 23 (1825).  
*Alaternus* Miller, Gard. Dict. ed. 8 (1768).
- Marcorella* Necker, Elem. Bot. **2**: 122 (1790).  
*Rhamnus* sect. *Rhamnus* Koch, Fl. Germ. Helv. **149** (1837).  
*Girtanneria* Rafinesque, Sylva Tellur. **28** (1838).  
*Atadinus* Rafinesque, op. cit. **30** (1838).  
*Rhamnus* sect. *Espina* K. Koch, Dendr. **1**: 608 (1869).—Rehder, Man. Cult. Trees Shrubs, 593 (1927) "*Espinosa*".  
*Rhamnus* sect. *Eurhamnus* Boissier, Fl. Or. **2**: 19 (1872).  
*Rhamnus* sect. *Rhamnastrum* Rouy in Rouy & Foucaud, Fl. France, **4**: 169 (1897).  
*Apellorhamnus* Nieuwland in Am. Midland Nat. **4**: 90 (1915).  
*Apetlothamnus* Lunell in Am. Midland Nat. **4**: 474 (1916).
- R. heterophylla** Oliver in Hooker's Icon. Pl. **18**: t. 1759 (1888) "*heterophyllus*".—Rehder in Jour. Arnold Arb. **15**: 14 (1934).  
*Rhamnus Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. **9**: 326 (1910).
- R. costata** Maximowicz in Mém. Sci. Acad. Sci. St. Pétersb. sér. 7, **4**, **11**: 17 (Rhamn. Or.-As.) (1866).
- R. Blinii** (Lévl.) Rehder in Jour. Arnold Arb. **25**: 15 (1934).  
*Maesa Blinii* Léveillé in Repert. Sp. Nov. Reg. Veg. **10**: 376 (1912).
- R. Blinii** var. *Sargentiana* (Schneid.) Rehder in op. cit. **16** (1934).  
*Rhamnus Sargentianus* Schneider in Sargent, Pl. Wilson. **2**: 235 (1914).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 602 (1940) "*Sargentiana*".
- R. imeretina** Booth ex Kirchner in Petzold & Kirchner, Arb. Muscav. **344** (1864).—Koehe, Deutsche Dendr. **393** (1893).  
*Rhamnus libanoticus* sensu Hooker f. in Bot. Mag. **109**: t. 6721 (1883), non Kirchner (1864).  
*Rhamnus castaneifolius* Hort. ex Hooker f. in Bot. Mag. **109**: t. 6721 (1883), pro syn.  
*Rhamnus imeretiae* Hort. ex Hooker f., l. c. (1883), pro syn.  
*Rhamnus alpinus* var. *colchicus* Kusnetzov in Bull. Acad. Sci. St. Pétersb. **34**: 417, t. 1 (1892).  
*Rhamnus alpinus* b. *grandifolius* Dippel, Handb. Laubh. **2**: 524 (1892).  
*Rhamnus colchicus* Sommier & Levier in Act. Hort. Petrop. **12**: 15 (Dec. Pl. Nov. Cauc.) (1892).  
*Rhamnus grandifolia* Hort. ex [Nicholson in] Kew Handlist Trees Shrubs, **1**: 71 (1894), pro syn.; non Fischer & Meyer (1838).
- R. libanotica** Boissier, Diagn. Pl. Or. Nov. sér. 2, **1**: 119 (1853).—Schneider, Ill. Handb. Laubh. **2**: 274, fig. 189s (1909) "*libanoticus*".
- R. fallax** Boissier, Diagn. Pl. Or. Nov. sér. 2, **5**: 73 (1856).—Schneider, Ill. Handb. Laubh. **2**: 271, fig. 190i-m, 191b-d (1909).  
*Rhamnus alpinus* sensu Franz Schmidt, Oester. Allg. Baumz. **3**: 34, t. 157 (1800), non Linnaeus (1753).  
*Rhamnus alpinus* var. *grandifolius* Loudon, Encycl. Trees Shrubs, 176, fig. 262 (1842).  
*Rhamnus carniolicus* Kerner in Zeitschr. Ferdinand. Innsbr., **15**: 282 (Nov. Pl. Spec. Tirol. dec. **1**: 36) (1870).
- R. alpina** Linnaeus, Sp. Pl. **193** (1753) "*alpinus*".—Rouy in Rouy & Foucaud, Fl. France, **4**: 169 (1897).  
*Frangula latifolia* Miller, Gard. Dict. ed. 8, F. no. 2 (1768).

- Alaternus alpinus* Moench, Meth. Pl. 344 (1794).  
*Atadinus alpinus* Rafinesque, Sylva Tellur. 30 (1838).  
*Rhamnus alpina*  $\delta$ . *alpina* Regel in Act. Hort. Petrop. 4: 331 (1876).  
*Rhamnus alpina* *a. genuina* Rouy in Rouy & Foucaud, Fl. France, 4: 169 (1897).
- R. purpurea** Edgeworth in Trans. Linn. Soc. Lond. 20: 44 (1846) "*purpureus*".—M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 639 (1875) "*purpureus*".
- R. pumila** Turra in Giorn. Italia, 1: 120 (1765) "*pumilus*".—Linnaeus, Mant. Pl. 49 (1767) "*pumilus*".—Willkomm. & Lange, Prodr. Fl. Hisp. 3: 485 [1877].—Rouy in Rouy & Foucaud, Fl. France, 4: 170 (1897).  
*Rhamnus valentina* Willdenow, Spec. Pl. 1, 2: 1096 [1798].  
*Rhamnus pusilla* Tenore, Fl. Napol. 3: 232, t. 122 (1824–9); Syll. Pl. Vasc. Fl. Neapol. 115 (1831).  
*Atulandra valentina* Rafinesque, Sylva Tellur. 31 (1838).  
*Rhamnus alpina*  $\gamma$ . *pumila* Regel in Act. Hort. Petrop. 4: 331 (1876).  
*Rhamnus pumila* *a. genuina* Rouy in Rouy & Foucaud, Fl. France, 4: 171 (1897).
- R. lanceolata** Pursh, Fl. Am. Sept. 1: 166 (1814) "*lanceolatus*".—C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 52, fig. 3c-d, 18, 61, map 3 (1938).  
*Rhamnus Shortii* Nuttall in Jour. Acad. Nat. Sci. Philad. 7: 91 (1834).  
*Rhamnus parvifolius* Torrey & Gray, Fl. N. Am. 1: 262 (1838), non Bunge (1833).  
*Cardiolepis nigra* Rafinesque, First Cat. Bot. Gard. Transylv. Univ. 18 (1824), nom.; Neogen. 1 (1825); Sylva Tellur. 28 (1838).  
*Cardiolepis rubra* Rafinesque, l. c. (1825); l. c. (1838).  
*Sarcophthalus shortianus* Rafinesque, op. cit. 29 (1838).
- R. Smithii** Greene in Pittonia, 3: 17 (1896).  
*Rhamnus Smithii* subsp. *typica* C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 56, fig. 3e, 19, 20, 61, map 3 (1938).
- R. alnifolia** L'Héritier, Sert. Angl. 3 (1788) "*alnifolius*".—Britton & Brown, Ill. Fl. N. U. S. 2: 406, fig. 2393 (1897).  
*?Frangula americana* Miller, Gard. Dict. ed. 8, F. no. 4 (1768).  
*Rhamnus franguloides* Michaux, Fl. Bor.-Am. 1: 153 (1803).  
*Rhamnus alnifolia*  $\beta$ . *franguloides* De Candolle, Prodr. 2: 25 (1825).  
*Girtanneria alnifolia* Rafinesque, Sylva Tellur. 28 (1838).  
*Girtanneria franguloides* Rafinesque, l. c. (1838).  
*Apetlorhamnus alnifolia* Nieuwland in Am. Midland Nat. 4: 90 (1915).  
*Apetlothamnus alnifolia* Lunell in Am. Midland Nat. 4: 474 (1916).
- R. Alaternus** Linnaeus, Sp. Pl. 193 (1753).—Rouy in Rouy & Foucaud, Fl. France, 4: 163 (1897).  
*Alaternus Phyllica* Miller, Gard. Dict. ed. 8, A. no. 1 (1768).  
*Alaternus glabra* Miller, l. c. A. no. 2 (1768).  
*Alaternus latifolia* Miller, l. c. A. no. 4 (1768).  
*Rhamnus-Alaternus communis* Weston, Bot. Univ. 1: 237 (1770).  
*Rhamnus Alaternus a. latifolius* Aiton, Hort. Kew. 1: 267 (1789).  
*Rhamnus collinus* Salisbury, Prodr. Stirp. Chap. Allert. 139 (1796).
- Alaternus sempervirens* Röhl. in Deutschl. Fl. ed. 2, 176 (1812).  
*Rhamnus Alaternus* var. *eulata* Simonkai in Növ. Közl. 6: 42 (1907).
- R. Alaternus f. argenteo-variegata** (West.) Rehder in Jour. Arnold Arb. 3: 220 (1922).  
*Rhamnus-Alaternus communis* 3. *argenteo-variegatus* Weston, Bot. Univ. 1: 237 (1770).  
*Rhamnus alaternus* var. 6. *albo-variegatus* Dumont de Courset, Bot. Cult. ed. 2, 5: 259 (1811).  
*Rhamnus Alaternus* var. *variegata* Bean, Trees Shrubs Brit. Isl. 2: 330 (1914).
- R. Alaternus** var. *angustifolia* (Mill.) Aiton, Hort. Kew. 1: 267 (1789) "*\beta*. *angustifolius*".—De Candolle, Prodr. 2: 23 (1825) "*\delta*."  
*Alaternus angustifolia* Miller, Gard. Dict. ed. 8, A. no. 3 (1768).  
*Rhamnus Alaternus*  $\beta$ . *Alaternus (angustifolia)* Willdenow, Sp. Pl. 1: 1101 (1798).  
*Rhamnus Clusii* Willdenow, Enum. Pl. Hort. Berol. 250 (1809).  
*?Alaternus lanceolatus* Rafinesque, Sylva Tellur. 27 (1838).  
*Rhamnus Alaternus* var. *angustata* Simonkai in Növ. Közl. 6: 42 (1907); in Repert. Sp. Nov. Reg. Veg. 5: 105 (1908).  
*Rhamnus Perrieri* Hort. ex Rehder, Man. Cult. Trees Shrubs, 594 (1927), pro syn.
- R. hybrida** (*R. Alaternus*  $\times$  *alpina*) L'Héritier, Sert. Angl. 5 (1788) "*hybridus*".—Schneider, Ill. Handb. Laubh. 2: 271, fig. 189a-c (1909).  
*Alaternus hybridus* Rafinesque ex B. D. Jackson in Index Kew. 1: 71 [1893].  
*?Rhamnus latifolia viridis* Rade in Gartenwelt, 12: 341, fig. (1908).
- R. hybrida** var. *Billardi* Dippel, Handb. Laubh. 2: 526 (1892) "*a*."—Schneider, Ill. Handb. Laubh. 2: 271, fig. 189d (1909) "*hybridus*".  
*Rhamnus hybrida* var. *Billardi* Lavallée, Arb. Segrez. 49 (1877), nom.  
*Rhamnus Billardi* Hort. ex Lavallée, l. c. (1877), pro syn.  
*Rhamnus ovalifolius* Hort. ex Lavallée, l. c. (1877), pro syn.
- R. crocea** Nuttall in Torrey & Gray, Fl. N. Am. 1: 261 (1838) "*croceus*".—C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 39 (1938).  
*Rhamnus crocea* subsp. *typica* C. B. Wolf in op. cit. 34, fig. 4a-b, 8, 9, 62, map 5, t. (1938).
- R. crocea** var. *ilicifolia* (Kellogg) Greene, Fl. Francisc. 79 (1891).—C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 39, fig. 1h-o, 2g-l, 12, 62, map 6 (1938) "*subsp.*"  
*Rhamnus ilicifolia* Kellogg in Proc. Calif. Acad. Sci. 2: 37 (1863).
- Subgen. II. FRANGULA (Mill.) Dippel, Handb. Laubh. 2: 527 (1892).—Heppeler in Arch. Pharm. 266: 164 (1928), in ser. 10 divisa.  
*Frangula* Miller, Gard. Dict. abridg. ed. 4, 1: (1754); Gard. Dict. ed. 8 (1768).  
*Forgerouxia* Necker, Elem. Bot. 2: 124; 3: 415 (in indice "*Forgerouxia*") (1790).—Rafinesque, Sylva Tellur. 32 (1838) "*Forgeruxia*".—Steudel, Nomencl. Bot. ed. 2, 1: 643 (1841) "*Forgerouxia*".

**Rhamnus** Subgen. II. **FRANGULA** (continued)

- Rhamnus* b. *Frangula* S. F. Gray, Nat. Arr. Brit. Pl. 2: 621 (1821). — De Candolle, Prodr. 2: 26 (1825) "sect."  
*Perfonon* Rafinesque, Sylva Tellur. 29 (1838).  
*Endotropis* Rafinesque, op. cit. 31 (1838).  
*Sciadophila* Philippi in Linnaea, 28: 618 (1856).
- R. californica** Eschscholtz in Mém. Acad. Sci. St. Pétersb. 10: 285 (1823). — C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 62 (1938).  
*Rhamnus oleifolia* Hooker, Fl. Bor.-Am. 1: 123, t. 44 [1830], p. p. — C. B. Wolf in op. cit. 80 (1938), pro syn.  
*Endotropis oleifolia* Rafinesque, Sylva Tellur. 31 (1838).  
*Frangula californica* Gray, Gen. Pl. U. S. 2: 178 (1849).  
*Rhamnus incana* Carrière in Rev. Hort. 1858: 657, fig. 198 (1858).  
*Rhamnus Purshiana* var. *californica* Rehder in Bailey, Cycl. Am. Hort. [4]: 1510 (1902).  
*Rhamnus californica* var. *oleifolia* Bean, Trees Shrubs Brit. Isl. 2: 331 (1914).  
*Rhamnus californica* subsp. *typica* C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 64, fig. lb-d, 3g, 5a-b, 23, 24, 62, map 8 (1938).
- R. tomentella** Benth. Pl. Hartweg. 303 (1846) "*tomentellus*".  
*Frangula californica* var. *tomentella* Gray, Pl. Wright. 2: 28 (1853).  
*Rhamnus californicus* var. *tomentellus* Brewer & Watson, Bot. Calif. 1: 10 (1876). — C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 70, fig. 2m-q, 3h, 5d, 27, 62, map 7 (1938) "subsp. *tomentella*."  
*Rhamnus Purshianus* var. *tomentellus* Brandegee in Zoë, 1: 244 (1890). — Sargent, Silva N. Am. 2: 39, t. 63, fig. 2 (1891).
- R. Purshiana** De Candolle, Prodr. 2: 25 (1825) "*Purshianus*". — Sargent, Silva N. Am. 2: 37, t. 62, 63 (1891). — C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 95, fig. 3k, 4d-e, 38, 39, 61, map 4 (1938).  
*Rhamnus alnifolius* Pursh, Fl. Am. Sept. 1: 166 (1814), non L'Héritier (1788).  
*Cardiolepis obtusa* Rafinesque, Sylva Tellur. 28 (1838).  
*Perfonon laurifolium* Rafinesque, op. cit. 29 (1838).  
*Frangula Purshiana* Cooper in U. S. Rep. Expl. Surv. Railr. Mississippi Pacific Ocean, 12: 29, 57 (1856); in Ann. Rep. Smithsonian. Inst. 13: 259 (Distr. For. N. Am. 15) (1858).  
*Rhamnus anonaefolia* Greene in Pittonia, 3: 16 (1896); in Just's Bot. Jahresber. 21,2(1896): 388 (1899) "*adonae-folia*" sphalm.  
*Rhamnus Purshiana* f. *hirtella* Schelle in Beissner et al., Handb. Laubh.-Ben. 326 (1903), nom.  
*Rhamnus Purshiana* var. *anonaefolia* Jepson, Man. Flow. Pl. Calif. 614 (1925).
- R. rupestris** Scopoli, Fl. Carniol. ed. 2, 1: 164, t. 5 (1772). — Schneider, Ill. Handb. Laubh. 2: 268, fig. 185e-e<sup>3</sup>, 186m-o (1909).  
*Rhamnus pumila* sensu Wulfen in Jacquin, Collect. Bot. 2: 141, t. 11 (1788), non Linnaeus (1767).  
*Rhamnus Wulfenii* [Hoppe] in Flora, 6: 174 (1823). — Sprengel, Syst. Veg. 1: 768 (1825).  
*Frangula Wulfenii* Reichenbach, Fl. Germ. Excurs. 488 (1832).  
*Forgeruxia repens* Rafinesque, Sylva Tellur. 32 (1838).  
*Frangula rupestris* Schur, Enum. Pl. Transsilv. 142 (1866).
- R. Frangula** Linnaeus, Sp. Pl. 193 (1753). — Rouy in Rouy & Foucaud, Fl. France, 4: 171 (1897).

- Frangula Alnus* Miller, Gard. Dict. ed. 8, F. no. 1 (1768). — Hegi, Ill. Fl. Mittel-Eur. 5,1: 344, fig. 1900-2 [1925].  
*Rhamnus pentapetala* Gilibert, Fl. Lithuan. 2: 131 (1782).  
*Rhamnus nemoralis* Salisbury, Prodr. Stirp. Chap. Allert. 139 (1796).  
*Frangula alnoides* S. F. Gray, Nat. Arr. Brit. Pl. 2: 621 (1821).  
*Frangula vulgaris* Borkhausen, Theor.-Prakt. Handb. Forstbot. 2: 1157 (1803). — Reichenbach, Fl. Germ. Excurs. 488 (1832).  
*Frangula Frangula* Karsten, Deutsche Fl. 868, fig. 496,9-16 [1882].  
*Rhamnus Frangula* a. *genuina* Rouy in Rouy & Foucaud, Fl. France, 4: 172 (1897).  
*Rhamnus Korolkowii* Hort. ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 604 (1940), pro syn.
- R. Frangula** var. *latifolia* (Kirchn.) Dippel, Handb. Laubh. 2: 528 (1892) "a." — Schneider, Ill. Handb. Laubh. 2: 264, fig. 186k (1909). — Alb. Prodr. Fl. Colch. 52 (1895).  
*Rhamnus latifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 344 (1864), non L'Héritier (1788).  
*Rhamnus Frangula* var. *orientalis* Sommier & Levier in Act. Hort. Petrop. 16: 108 (1900).  
*Rhamnus canadensis* Hort. ex Schneider, Ill. Handb. Laubh. 2: 264 (1909) pro syn.
- R. Frangula** f. *angustifolia* (Loud.) Schelle in Beissner et al., Handb. Laubh.-Ben. 325 (1903) "(f.)".  
*Rhamnus Frangula* var. 2. *angustifolia* Hort. ex Loudon, Arb. Brit. 2: 537 (1838).
- R. Frangula** f. *heterophylla* (Mouill.) grad. nov.  
*Rhamnus Frangula* var. *heterophylla* Mouillefert, Arb. Arbriss. 2: 763 (1895).
- R. Frangula** f. *aspleniifolia* (Dipp.) Schelle in Beissner et al., Handb. Laubh.-Ben. 325 (1903).  
*Rhamnus Frangula* b. *aspleniifolia* Arb. Musk. ex Dippel, Handb. Laubh. 2: 528 (1892). — Schneider, Ill. Handb. Laubh. 2: 265 (1909) "var."  
*Rhamnus aspleniifolius* Simonkai in Növ. Közl. 6: 57, fig. 10 (1907); in Repert. Sp. Nov. Reg. Veg. 5: 105 (1908); non Carrière (1872).
- R. latifolia** L'Héritier, Sert. Angl. 4, t. 8 (1788) "*latifolius*". — Schneider, Ill. Handb. Laubh. 2: 264, fig. 184h (1909) "*latifolius*".  
*Rhamnus oleifolius* Hort. nonn. ex Schneider, l. c. (1909), pro syn.
- R. caroliniana** Walter, Fl. Carol. 101 (1788) "*caroliniana*". — Sargent, Silva N. Am. 2: 35, t. 61 (1891). — C. B. Wolf in Rancho Santa Ana Bot. Gard. Monog. Bot. Ser. 1: 106, fig. 3n, 44, 61, map 4 (1938).  
*Frangula americana* Miller, Gard. Dict. ed. 8, F. no. 4 (1768).  
*Frangula fragilis* Rafinesque, Fl. Ludovic. 97 (1817).  
*Sarcophalus carolinianus* Rafinesque, Sylva Tellur. 29 (1838).  
*Frangula caroliniana* Gray, Gen. Pl. U. S. Ill. 2: 178, t. 167 (1849).  
*Rhamnus canadensis* Hort. ex K. Koch, Dendr. 1: 610 (1869), pro syn.
- R. crenata** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,2: 146 (Fl. Jap. Fam. Nat. 1: 38) (1845) "*crenatus*". — Rehder in Jour. Arnold Arb. 15: 13 (1934).  
*Frangula crenata* Miquel in Ann. Mus. Bot. Lugd.-Bat.

- 3:** 32 (Prol. Fl. Jap. 220) (1867).—Nakai, Fl. Sylv. Kor. **9:** 33, t. 14 (1920).  
*Rhamnus pseudo-frangula* Léveillé in Repert. Sp. Nov. Reg. Veg. **10:** 473 (1912).  
*Celastrus Kouytchensis* Léveillé in op. cit. **13:** 263 (1914).  
*Celastrus Esquirolianus* Léveillé, Fl. Kouy-Tchéou, 69 (1914).
- HOVENIA** Thunberg, Fl. Jap. 101 (1784).—Bentham & Hooker f., Gen. Pl. **1:** 378 (1862).—Kimura in Bot. Mag. Tokyo, **53:** 471, fig. 1–18 (1939).  
 TYPUS: *H. dulcis* Thunb.
- H. dulcis** Thunberg, Fl. Jap. 101 (1784).—Nakai, Fl. Sylv. Kor. **9:** 17, t. 4 (1920).—Rehder in Jour. Arnold Arb. **15:** 17 (1934).  
*Hovenia acerba* Lindley in Bot. Reg. **6:** t. 501 (1820).—Schneider, Ill. Handb. Laubh. **2:** 291, fig. 201b (1909).  
*Zizyphus Esquirolii* Léveillé in Repert. Sp. Nov. Reg. Veg. **10:** 148 (1911).  
*Hovenia dulcis* a. *glabra* Makino in Bot. Mag. Tokyo, **28:** 155 (1914).
- CEANOTHUS** Linnaeus, Sp. Pl. 195 (1753); Gen. Pl. ed. 5, 90, no. 237 (1754).—Bentham & Hooker f., Gen. Pl. **1:** 378 (1862).—Parry in Proc. Davenport Acad. Nat. Sci. **5:** 162 (1889).  
*Forrestia* Rafinesque in Med. Repos. New York, hex. 2, **3:** 422 (1806).—Schweack [sphalm. pro Schmaltz?] ex Jussieu in Dict. Sci. Nat. **17:** 250 (1820), pro syn.  
*Ceanothus* Rafinesque in op. cit. hex. 2, **5:** 360 (1808), sphalm. pro "*Ceanothus*"?  
*Ceanothus* §. *Euceanothus* et §. *Cerastes* S. Watson in Proc. Am. Acad. Arts Sci. **10:** 333, 338 (1875).  
 LECTOTYPUS: *C. americanus* L.
- C. americanus** Linnaeus, Sp. Pl. 195 (1753).—Trelease in Gray, Syn. Fl. N. Am. **1:** 409 (1897).  
*Ceanothus trinervius* Moench, Meth. Pl. 651 (1794).  
 ?*Forrestia thyroides* Rafinesque in Med. Repos. New York, hex. 2, **3:** 422 (1806); hex. 2, **5:** 351 (1808) "*thyrioides*"; New Fl. N. Am. **3:** 57 [1838] "*thyrioides*".  
*Ceanothus herbaceus* Rafinesque in Med. Repos. New York, hex. 2, **5:** 360 (1808).—Rafinesque ex Warden in Jour. de Bot. (Soc. Bot.) **1:** 227 (1808) "*Ceanothus h.*".  
*Ceanothus perennis* Pursh, Fl. Am. Sept. **1:** 167 (1814).  
*Ceanothus officinalis* Rafinesque, Med. Fl. **2:** 205 (1830).
- C. americanus** var. *intermedius* (Pursh) K. Koch, Hort. Dendr. 206 (1853) "β."—Trelease in Gray, Syn. Fl. N. Am. **1:** 410 (1897).  
*Ceanothus intermedius* Pursh, Fl. Am. Sept. **1:** 167 (1814).
- C. ovatus** Desfontaines, Hist. Arb. Arbriss. **2:** 381 (1809).—Trelease in Gray, Syn. Fl. N. Am. **1:** 409 (1897).  
*Ceanothus ovalis* Bigelow, Fl. Boston. ed. 2, 92 (1824).  
*Ceanothus glandulosus* Rafinesque, New Fl. N. Am. **3:** 57 [1838].
- C. ovatus** var. *pubescens* (Torr. & Gray) S. Watson, Bibliog. Ind. N. Am. Bot. **1:** 166 (1878).—Soper in Rhodora, **43:** 83 (1941) "f."  
*Ceanothus ovalis* β? Torrey & Gray, Fl. N. Am. **1:** 265 (1838).  
*Ceanothus mollissimus* Torrey in Frémont, Rep. Explor. Exped. Rocky Mts. 88 (1845).  
*Ceanothus pubescens* Rydberg in Small, Fl. Southeast. St. **751** (1903).
- C. sanguineus** Pursh, Fl. Am. Sept. **1:** 167 (1814).—Trelease in Gray, Syn. Fl. N. Am. **1:** 409 (1897).  
*Ceanothus Oreganus* Nuttall in Torrey & Gray, Fl. N. Am. **1:** 265 (1838).
- C. Delilianus** [*C. americanus* × *coeruleus*] Spach, Hist. Nat. Vég. Phan. **2:** 459 (1834) "*?azureus* × ?".—K. Brandegee in Proc. Calif. Acad. Sci. ser. 2, **4:** 213 (1894) "*C. americanus* × *coeruleus*."—Rehder in Jour. Arnold Arb. **3:** 221 (1922).  
*Ceanothus americanus* var. *floribus subcoeruleis* Godefroy in Ann. Soc. Hort. Paris, **5:** 302 (1828).  
*Ceanothus pulchellus* Delile in Hort. Monsp. ex Spach, Hist. Nat. Vég. Phan. **2:** 459 (1834), pro syn.  
*Ceanothus americanus* var. *Arnoldi* Jacob-Makoy, Cat. no. 102 (1863) ex Morren & A. de Vos, Index Bibliog. Hort. Belg. 269 (1887), nom.  
*Ceanothus Arnouldii* Carrière in Rev. Hort. **1872:** 380 (1872).  
*Ceanothus azureus* var. *Arnoldii* Lavallée, Arb. Segrez. **51** (1877).  
*Ceanothus americanus* × *azureus* (C. Arnouldi hort.) Koehne, Deutsche Dendr. 395 (1893).  
*Ceanothus Dillenianus* Marchais in Rev. Hort. **1895:** 351 (1895), ? sphalm. pro "*Delilianus*".  
*Ceanothus hybridus* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[1]:** 265 (1900), p. p.  
*Ceanothus versailensis* Schneider, Ill. Handb. Laubh. **2:** 295 (1909).
- C. Burkwoodii** [*C. Delileanus* "Indigo" × *floribundus* Hort., non Hooker] Burkwood & Skipwith, Latest Nov. Trees Shrubs, **1929:** [3] (1929), nom. subnud; "*C. floribundus* × *indigo*".—N. Wales (pseudon.) in Gard. Chron. ser. 3, **89:** 313 (1931).
- C. pallidus** [*C. Delilianus* × *ovatus*] Lindley in Bot. Reg. **26:** t. 20 (1840).—K. Brandegee in Proc. Calif. Acad. Sci. ser. 2, **4:** 214 (1894).—Rehder in Jour. Arnold Arb. **3:** 221 (1922).  
*Ceanothus Fontanesianus* γ. *cyaneus* Spach, Hist. Nat. Vég. Phan. **2:** 460 (1834).  
*Ceanothus ovatus* 2. *flore cyaneo* H. Bollw. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 347 (1864).  
*Ceanothus ovalis* × *thyrsiflorus* Koehne, Deutsche Dendr. 396 (1893).  
*Ceanothus intermedius* Koehne, l. c. (1893), pro syn.  
*Ceanothus hybridus* Rehder in Bailey, Stand. Cycl. Hort. **2:** 696 (1914), p. p.
- C. pallidus** var. *roseus* (Spach) Rehder in Jour. Arnold Arb. **3:** 222 (1922).—L. C. C[hadwick] in Am. Nurseryman, **82,7:** 38, fig. (cover) (1945).  
*Ceanothus Fontanesianus* β. *roseus* Spach, Hist. Nat. Vég. Phan. **2:** 460 (1834).  
*Ceanothus ovatus roseus* Carrière in Rev. Hort. **1875:** 30, t. (1875).  
*Ceanothus azureus* var. *roseus* Lavallée, Arb. Segrez. **51** (1877).  
*Ceanothus roseus* hort. ex Koehne, Deutsche Dendr. 395 (1893) "*C. americanus* × *thyrsiflorus*"?  
*Ceanothus hybridus roseus* Rehder in Bailey, Cycl. Am. Hort. **[1]:** 265 (1900).
- C. pallidus** f. *plenus* (Rehd.), grad. nov.  
*Ceanothus flore albo pleno* Jouin in Rev. Hort. **1891:** 110 (1891).  
*Ceanothus americanus* var. *flore albo pleno* Grosdemange in Rev. Hort. **1893:** 475 (1893).  
*Ceanothus azureus* f. *flore albo pleno* Voss, Vilmor. Blumengärt. **1:** 179 (1894).



**Ceanothus pallidus** f. **plenus** (continued)

*Ceanothus hybridus* "Albus plenus" Rehder in Bailey, Cycl. Am. Hort. [1]: 265 (1900).

*Ceanothus albus plenus* Anon. in Garden, 77: 432, fig. (1913).

*Ceanothus pallidus* var. *plenus* Rehder in Jour. Arnold Arb. 3: 222 (1922).

**C. thyrsiflorus** Eschscholtz in Mém. Acad. Sci. St. Pétersb. sér. 6, 10: 285 (1826).—Trelease in Gray, Syn. Fl. N. Am. 1: 415 (1897).

**C. thyrsiflorus** var. **griseus** Trelease, l. c. (1897).—McMinn in Contrib. Dudley Herb. Stanford Univ. 1: 138 (1930).

*Ceanothus elegans* Hort. Angl. ex Lemaire in Ill. Hort. 7: t. 268 (1860).

**C. Lobbianus** [*C. dentatus* × *thyrsiflorus*] Hooker in Bot. Mag. 80: t. 4810 (1854), 4811 in tab.—Schneider, Ill. Handb. Laubh. 2: 294 (1909).

**C. Veitchianus** [*C. rigidus* × *thyrsiflorus*] Hooker in Bot. Mag. 85: t. 5127 (1859).—Trelease in Proc. Calif. Acad. Sci. ser. 2, 1: 112 (in Contrib. Shaw School Bot. 4: 112) (1888) "Veatchianus".—Schneider, l. c. (1909).

**C. foliosus** Parry in Proc. Davenport Acad. Nat. Sci. 5: 172 (1889).—Trelease in Gray, Syn. Fl. N. Am. 1: 414 (1897).

**C. velutinus** Douglas ex Hooker, Fl. Bor.-Am. 1: 125 [1830].—Trelease in op. cit. 410 (1897).—Jepson, Fl. Calif. 2: 466 (1936).

**C. coeruleus** Lagasca, Gen. Sp. Pl. 11 (1816).—Rehder in Jour. Arnold Arb. 3: 221 (1922).

*Ceanothus azureus* Desfontaines, Tabl. École Bot. ed. 2, 232 (1815), nom.—Ker in Bot. Reg. 4: t. 291 (1818).

*Ceanothus bicolor* Humboldt & Bonpland ex Willdenow msc. ex Roemer & Schultes, Syst. Veg. 5: 300 (1819).

**C. Fendleri** Gray in Mem. Am. Acad. Arts Sci. n. ser. 4: 29 (Pl. Fendl. Novi-Mex.) (1849).—Stapf in Bot. Mag. 155: t. 9264 (1932).

**C. parvifolius** (S. Wats.) Trelease in Proc. Calif. Acad. Sci. ser. 2, 1: 110 (in Contrib. Shaw School Bot. 4: 110) (1888).—Jepson, Fl. Calif. 2: 467 (1936).

*Ceanothus integerrimus* var. *parvifolius* S. Watson in Proc. Am. Acad. Arts Sci. 10: 334 (1875) "parviflorus" sphalm.; in Brewer & Watson, Bot. Calif. 1: 102 (1876).

**C. cordulatus** Kellogg in Hesperian, 4: 246, fig. (1860); in Proc. Calif. Acad. Sci. 2: 124, fig. 39 (1861).—Jepson, Fl. Calif. 2: 473, fig. 234 (1936).

**C. cuneatus** (Hook.) Nuttall in Torrey & Gray, Fl. N. Am. 1: 267 (1838).—McMinn in Contrib. Dudley Herb. Stanford Univ. 1: 144 (1930).—Jepson, Fl. Calif. 2: 476, fig. 236 (1936).

*Rhamnus* ? *cuneatus* Hooker, Fl. Bor.-Am. 1: 124 [1830].

**C. prostratus** Benth., Pl. Hartweg. 302 [1848].—Jepson, Fl. Calif. 2: 478 (1936).—J. T. Howell in Leaflet West. Bot. 2: 238 (1940).

**DISCARIA** Hooker in Bot. Miscell. 1: 156, t. 44, 45 (1830).—Bentham & Hooker f., Gen. Pl. 1: 383 (1862).

*Notophaena* Miers in Ann. Mag. Nat. Hist. ser. 3, 5: 267 (1860), p. p.

TYPE: *D. americana* Gillies & Hooker ex Hooker.

**D. serratifolia** (Vent.) Benth. & Hooker f. ex [Masters in] Gard. Chron. n. ser. 6: 324, fig. 65 (1876).

*Colletia serratifolia* Ventenat, Choix Pl. Jard. Cels. t. 15 (1803).

*Notophaena serratifolia* Miers in Ann. Mag. Nat. Hist. ser. 3, 5: 268 (1860).

**COLLETIA** Commerson ex Jussieu, Gen. Pl. 380 (1789).—Hooker & Arnott in Bot. Miscell. 1: 150, t. 44 (1830).—Bentham & Hooker f., Gen. Pl. 1: 383 (1862).—Sealy in Kew Bull. 1937: 325 (1937).—Non Scopoli (1777).—NOM. CONSERV. cf. Kew Bull. 1935: 411 (1935); 1940: 111, no. 4899 (1940).

*Tetraspasma* G. Don, Gen. Hist. Dichlam. Pl. 2: 40 (1832).

*Ochetophila* Poeppig msc. et Reissner msc. ex Endlicher, Gen. Pl. 1099 (1840).

*Notophaena* Miers in Ann. Mag. Nat. Hist. ser. 3, 5: 267 (1860), p. p.

TYPE: *C. spinosissima* Gmelin.

**C. infausta** N. E. Brown in Gard. Chron. ser. 3, 60: 131, fig. 52 (1916).

*Colletia horrida* sensu Lindley in Bot. Reg. 21: t. 1776 (1836).—Hooker in Bot. Mag. 65: t. 3644 (1839).—Non Willdenow (1798).

*Colletia spinosa* sensu Lindley in Jour. Hort. Soc. Lond. 5: 30, fig. (1850), non Lamarck [1797].

**C. cruciata** Hooker & Arnott in Bot. Miscell. 1: 152, t. (1830).—Hooker in Bot. Mag. 84: t. 5033 (1858).—N. E. Brown in Gard. Chron. ser. 3, 60: 108, fig. 44 (1916).

*Colletia Bictonensis* Lindley in Jour. Hort. Soc. Lond. 5: 31, fig. (1850).

**C. armata** Miers in Ann. Mag. Nat. Hist. ser. 2, 5: 211 (1860).

*Colletia valdiviana* Philippi in Linnaea, 33: 35 (1864).

Fam. **VITACEAE**

**VITACEAE** Lindley, Nat. Syst. Bot. ed. 2, 30 (1836).—Gilg in Nat. Pflanzenfam. III. 5: 427 (1896).—NOM. AD CONSERV. PROPOS.; cf. Rehder in Jour. Arnold Arb. 26: 278 (1945).

*Vites* Jussieu, Gen. Pl. 267 (1798).—Lindley, Introd. Nat. Syst. Bot. 119 (1830).

*Sarmentaceae* Ventenat, Tabl. Règ. Vég. 3: 167 (1799).

*Viniferae* Jussieu in Mém. Mus. Hist. Nat. Paris, 3: 444 (1817).

*Ampelideae* Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Pl. 5: 223 (fol. ed. p. 172) (1821).—De Candolle, Prodr. 1: 627 (1824).—Bentham & Hooker f., Gen. Pl. 1: 386 (1862).

*Ampelideae* trib. II. *Leeaceae* De Candolle, op. cit. 635 (1824).

*Leeaceae* Horaninov, Prim. Lin. Syst. Nat. 95 (1834).

*Umbelliferae* 3. *Cisseae* c. *Viteae* Reichenbach, Handb. Nat. Pflanzenzysst. 221 (1837).

*Celastraceae* . . . *Cisseae* Horaninov, Tetractys Nat. 32 (1843), nom.

*Cissaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 184 (1847).

*Ampelidaceae* Lowe, Man. Fl. Madeira, 80 (1868).

*Vitideae* Drude in A. Schenk, Handb. Bot. 3, 2: 390 (1887).

**VITIS** Linnaeus, Sp. Pl. 293 (1753), exclud. sp. nonnull.; Gen. Pl. ed. 5, 95, no. 250 (1754).—Bentham & Hooker f., Gen. Pl. 1: 387 (1862), exclud. sp. nonnull.—

- Planchon in A. & C. de Candolle, Monog. Phaner. 5: 305 (1888).
- Vitis* sect. *Euvtis* Boissier, Fl. Or. 1: 955 (1867).
- Spinovitis* Romanet du Caillaud in Compt. Rend. Acad. Sci. Paris, 92: 1096 (1881), nom.; in Rev. Hort. 1883: 53 (1883). — Carrière in Rev. Hort. 1890: 465, fig. 135 (1890).
- Ampelovitis* Carrière in Rev. Hort. 1888: 537, fig. 134 (1888); 1890: 134 (1890); 1892: 94 (1892).
- NOMINA NUDA, SUBNUDA, DUBIA spec. Am. bor. cf. Bailey; in Gent. Herb. 3: 240 (1934).
- Vitis vinifera americana* Marshall, Arbust. Am. 165 (1785).
- Vitis taurina* Walter, Fl. Carol. 242 (1788). — Bartram in Med. Repos. New York, hex. 2, 1: 22 (1804).
- Vitis sylvestris* (p. 21, 23) *V. occidentalis* (nom. altern., p. 21, 23) *V. americana* (nom. altern., p. 23), *V. serotina* (p. 22) Bartram in op. cit. 21–23 (1804).
- Vitis campestris* Nuttall in Fraser, Cat. no. 88 (1813); reprint in Pittonia, 2: 119 (1890), nom. subnud.; non Bartram (1791).
- Vitis labruscoides* Muhlenberg, Cat. Pl. Am. Sept. 27 (1813), nom. — Rafinesque, Med. Fl. 2: 127 (1830); Am. Man. Grape Vines, 11 (1830).
- ?*Vitis intermedia* Muhlenberg, l. c. (1813), nom.
- Vitis Labrusca* var. *labruscoides* Eaton, Man. Bot. M. & N. Stat., ed. 2, 496 (1818).
- Vitis blanda* Sweet, Hort. Brit. 73 (1826), nom.
- Vitis fulva* (p. 124; 8), *V. ursina*, *V. saxatilis* (p. 124, fig. a; p. 8, fig. 1), *V. multiloba* (p. 125, fig. c, err. "multiflora"; p. 9, fig. 7), *V. digitata* (p. 125; 9), *V. bracteata* (Leconte in Proc. Acad. Nat. Sci. Philad. 6: 271, 272. 1853), *V. callosa*, *V. hyemalis*, *V. serotina*, non Bartram, 1804 (p. 126; 10), *V. glareosa*, *V. rugosa* (p. 127; 11), non Roxburgh (1824), *V. ferruginea* (p. 128; 12), *V. bifida*, *V. obliqua*, *V. blanda* (fig. h; fig. 8) non Sweet (1826), *V. ciliata* (p. 129, fig. e; p. 13, fig. 5), *V. longifolia* (fig. b; fig. 2), *V. dimidiata*, *V. montana* (p. 130; 14), *V. concolor*, *V. columbina* (p. 131; 15), *V. populifolia*, *V. Amara* (p. 132; 16), *V. peltata* vel *floridana* (p. 133; 17; cf. Bailey in Gent. Herb. 3: 209, 240), *V. integrifolia* "Raf. Fl. Ludov. 89" (p. 134; 18), *V. Poiretia* (= *V. poiretiana* Raf. ex B. D. Jackson in Index Kew. 2: 1217. 1895, pro syn.) *V. prolifera* (fig. f; fig. 6), *V. obovata* (p. 135; 19) Rafinesque, Med. Fl. 2: 124–135 (1830, pref. May); Am. Man. Grape Vines, 8–19 (1830).
- Vitis Blandi* (*V. Blanda*) (p. 177), *V. diversifolia* (p. 183), *V. missouriensis* (p. 184), *V. illinoensis* (p. 185), Prince, Treat. Vine, 177–185 (1830, copyright Sept. 20), (p. 185).
- Vitis populifolia* Lindh. ex Gray in Boston Jour. Nat. Hist. 6: 165 (1850), pro syn. = ?*V. p.* Rafinesque (1830).
- Vitis tenuifolia* (p. 271), *V. bicolor* (p. 272), *V. araneosa* Leconte in Proc. Acad. Nat. Sci. Philad. 6: 271–272 (1853).
- Vitis vulgaris* Bartram ex Dippel, Handb. Laubh. 2: 545 (1892), pro syn. sub *V. Labrusca*.
- LECTOTYPUS: *V. vinifera* L.
- Subgen. I. EUVITIS (Planch.) Rehder, Man. Cult. Trees Shrubs, 600 (1927).
- Vitis* sect. *Euvtis* Planchon, Vignes Amér. 102 (1875); in A. & C. de Candolle, Monog. Phaner. 5: 322 (1887).
- V. vinifera** Linnaeus, Sp. Pl. 293 (1753). — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 355 (1887).
- Vitis praecox* Poiteau & Turpin in Duhamel, Traité Arb. Fruit. nouv. éd. 3: V. no. 1; t. 10, fasc. 2 [1807].
- Vitis moschata alba* et *V. m. rubra* Poiteau & Turpin in op. cit. V. no. 5 et 6; t. 17 et 18, fasc. 3 [1807].
- Vitis corinthiaca violacea* Poiteau & Turpin in op. cit. V. no. 12; t. 105, fasc. 18 [1810].
- Vitis moschata nigra* et *V. m. Arrouya* Poiteau & Turpin in op. cit. V. no. 3 et 4; t. 130 et 131, fasc. 22 ? [181?].
- Vitis tinctoria* Poiteau & Turpin in op. cit., V. no. 2; t. 150, fasc. 25 ? [181 ?].
- Vitis corinthiaca alba* et *V. c. minima* Poiteau & Turpin in op. cit. V. no. 10 et 11; t. 218 et 219, fasc. 37 ? [182 ?].
- Vitis Alexandrina* et *V. Guilelmi* Poiteau & Turpin in op. cit. V. no. 7 et 9; t. 347 et 345, fasc. 58 [1830].
- Vitis labrusca* (p. 139), non Linnaeus (1753), *V. farinosa* (p. 140), *V. cana*, *V. bicolor*, *V. saccharina*, *V. rufa*, *V. apiana*, *V. punctata*, *V. succinea*, *V. turbinata*, *V. maura* (p. 141), *V. cylindrica* Rafinesque, Med. Fl. 139–141 (1830); Am. Man. Grape Vines, 23–25 (1830), reprint.
- Vitis thomeryana* Poit. & Turp. ex Poiteau, Pomol. Franç. 2: V. no. 5; p. 78\*, t. 17 (18[38–]46) = *V. moschata alba* Poit. & Turp.
- Vitis mensarum* Poiteau, op. cit. V. no. 13; p. 0, t. "Chas-selat de Fontainebleau" (18[38–]46).
- ?*Vitis bryoniaefolia* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 85 (Enum. Pl. Chin. Bor. 11. 1833) (1835). — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 361 (1887), sp. dub.
- Vitis laxiflora* et *V. densiflora* A. Savatier in Compt. Rend. Assoc. Franç. Avanc. Sci. 11(1882): 436, fig. 97, 98 (1883).
- Vitis Promeryana* Durand & Jackson in Index Kew. Suppl. 1(Add.): 490 (1906), sphalm. pro *thomeryana* Poiteau.
- V. vinifera f. apiifolia** (Loud.), grad. nov.
- Vitis laciniosa* Linnaeus, Sp. Pl. 293 (1753).
- Vitis vinifera* var. *apiifolia* Loudon, Arb. Brit. 1: 478 (1838).
- Vitis vinifera* b. *laciniosa* Doell, Rhein. Fl. 686 (1843). — Schelle in Beissner et al., Handb. Laubh.-Ben. 336 (1903) "(f.)".
- ?*Vitis vinifera* 2c. *partita* Kuntze, Taschen-Fl. Leipzig, 199 (1867).
- Vitis byzantina* a. *laciniosa* Andrasovsky in Javorka, Magyar Fl. 703 [1924].
- V. vinifera f. purpurea** (Bean), grad. nov.
- Vitis vinifera* var. *purpurea* Bean, Trees Shrubs Brit. Isl. 2: 678 (1914).
- V. vinifera** var. *sylvestris* [Gmel.] Willdenow, Enum. Pl. Hort. Berol. 1: 267 (1809) "β." — Döll, Fl. Grossh. Baden, 3: 1189 (1862) "β." — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 356 (1887) "typus a."
- Vitis sylvestris* Gmelin, Fl. Badens. 1: 543 (1806). — Non Bartram (1804).
- Vitis vinifera anebophylla* Kolenati in Bull. Soc. Nat. Moscou, 19: 286, (1846). — Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 7, 15, 2: 283 (Fl. Caucasi) (1869).
- Vitis vinifera trichophylla* Kolenati in op. cit. 287 (1846). — Ruprecht, l. c. (1869).
- Vitis vinifera* subsp. δ. *Labrusca* 5. *silvestris* Doell ex Kuntze in Act. Hort. Petrop. 10: 179 (1887).
- V. vinifera** var. *sativa* De Candolle [in Lamarck & De Candolle], Fl. Franç. 5: 857 (1815) "β." — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 361 (1887) "typus β."

**Vitis vinifera** var. *sativa* (continued)

*Vitis vinifera* subsp. *δ. Labrusca* 3. *orientalis* Kuntze in Act. Hort. Petrop. 10: 179 (1887).

*Vitis byzantina*, *V. alemannica*, *V. deliciosa*, *V. antiquorum* Andrasovsky in Javorka, Magyar Fl. 703 [1924].

*Vitis mediterranea* Andrasovsky in op. cit. 705 [1924].

**V. vulpina** Linnaeus, Sp. Pl. 203 (1753).—Smith in Rees Cyclop. 37: *Vitis* no. 9 [1817].—Fernald in Rhodora, 41: 433 (1939).

*Vitis cordifolia* Lamarck, Tabl. Encycl. Méth. Bot. 2: 134 (1793).—Michaux, Fl. Bor.-Am. 2: 231 (1803).—Planchon in A. & C. de Candolle, Monog. Phaner. 5: 350 (1887).—Bailey in Gent. Herb. 3: 218, fig. 102d, 124, 125, 132 (1934).

*Vitis pullaria* Le Conte in Proc. Acad. Nat. Sci. Philad. 6: 273 (1853); in Flora, 36: 708 (1853).

*Vitis cordifolia* var. *punctata* J. F. Weber in Rep. U. S. Commiss. Patents Agric. 1859: 67 (1860).

*Vitis cordifolia* var. *genuina* Durand in Act. Soc. Linn. Bordeaux, 24: 166 (1861).

*Vitis vulpina* *β. cordifolia* Regel in Act. Hort. Petrop. 2: 394 (1873).

*Vitis vinifera* *a. vulpina* Kuntze, Rev. Gen. Pl. 1: 132 (1891), quoad basonym.

**V. amurensis** Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 266 (1857).—Nakai, Fl. Sylv. Kor. 12: 21, t. 6 (1922).

*Vitis vinifera* *β. amurensis* Regel in Gartenfl. 10: 312, t. 339 (1861); in Mém. Acad. Sci. St. Pétersb. sér. 7, 44: 36 (Tent. Fl. Ussur.) (1861).—Kuntze, Rev. Gen. Pl. 1: 132 (1891) "*γ. normalis* 2. *a.*"

*Vitis Thunbergii* sensu Regel in Gartenfl. 13: 34, t. 424 (1864), non Siebold & Zuccarini (1845).

*Vitis vulpina* *δ. amurensis* Regel in Act. Hort. Petrop. 2: 394 (Consp. Spec. Vitis. 6) (1873).

*Vitis vinifera* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 136 (1886), non Linnaeus (1753).

*Vitis Shiragai* Makino in Jour. Jap. Bot. 1: (105) fig. (1917) "*Shiragi*"; 1: 34 (1918).

*Vitis amurensis* var. *genuina* Skvortzov in China Jour. Sci. Arts, 15: 200, fig. 4 (1931).

**V. palmata** Vahl, Symb. Bot. 3: 42 (1794).—Bailey in Gent. Herb. 3: 224, fig. 127, 128 (1934).

?*Vitis virginiana* Poirét, Encycl. Méth. Bot. 8: 608 (1808).

*Vitis riparia* *β. palmata* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 352 (1887).

*Vitis rubra* Michaux ex Planchon in op. cit. 5: 354 (1887).

*Vitis monosperma* Michaux ex Sargent in Proc. Am. Philos. Soc. 26(no. 129): 124 (Portions Jour. A. Michaux) (1889), nom.

*Vitis vinifera* *γ. palmata* Kuntze, Rev. Gen. Pl. 1: 133 (1891).

**V. riparia** Michaux, Fl. Bor.-Am. 2: 231 (1803).—Planchon in A. & C. de Candolle, Monog. Phaner. 5: 352 (1887).—S. Watson in Gray, Man. Bot. N. U. S. ed. 6, 114 (1890).

*Vitis incisa* Jacquin, Pl. Rar. Hort. Schoenbrunn. 4: 14, t. 427 (1804).

*Vitis odoratissima* Donn, Hort. Cantabrig. ed. 4, 50 (1807), nom.

*Vitis cordifolia* var. *vulpina* Eaton, Man. Bot. N. & Middle St. 497 (1818).

*Vitis vulpina* sensu Leconte in Proc. Acad. Nat. Sci. Philad. 6: 272 (1853); in Flora, 36: 708 (1853).—Bailey in Am. Gardening, 14: 353 (1893); in Gray, Syn. Fl. N. Am. 1: 422 (1897); in Gent. Herb. 3: 231, fig.

102c, 104, 107, 131, 132 (1934).—Non Linnaeus (1753).

*Vitis cordifolia* var. *riparia* Gray, Man. Bot. N. U. S. ed. 5, 113 (1867).

*Vitis vulpina* *e. riparia* Regel in Act. Hort. Petrop. 2: 395 (1873).

*Vitis vinifera* *γ. normalis* 1. *riparia* Kuntze, Rev. Gen. Pl. 1: 132 (1891).

*Vitis boulderensis* Daniels in Univ. Missouri Stud. Sci. Ser. 2, 2: 159 (1911).

*Vitis odorata* Hort. ex Bailey, Stand. Cycl. Hort. 6: 3486 (1917), pro syn.

**V. riparia** var. *praecox* Engelmann ex Bailey in Am. Gardening, 14: 353 (1893).

*Vitis vulpina* var. *praecox* Bailey in Gray, Syn. Fl. N. Am. 1: 422 (1897); in Gent. Herb. 3: 233, fig. 102g (1934).

**V. riparia** var. *syrticola* (Fern. & Wiegand) Fernald in Rhodora, 41: 431 (1939).

*Vitis vulpina* var. *syrticola* Fernald & Wiegand in Rhodora, 25: 212 (1923).

**V. Slavini** [*V. argentifolia* × *riparia*] Rehder in Jour. Arnold Arb. 3: 43 (1921) "*V. Leconteana* × *vulpina*".**V. Andersonii** [*V. Coignetiae* × *riparia*] Rehder in op. cit. 44 (1921) "*V. Coignetiae* × *vulpina*".**V. novae-angliae** Fernald in Rhodora, 19: 146 (1917).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 901 (1940).**V. acerifolia** Rafinesque, Med. Fl. 2: 130, t. 99, fig. c (1830, pref. May); Am. Man. Grape Vines, 14, fig. 3 (1830).—Rehder in Jour. Arnold Arb. 27: 172 (1946).

*Vitis Longii* Prince, Treat. Vine, 184 (1830, copyright Sept. 20).—Rehder, Man. Cult. Trees Shrubs, 602 (1927) "*V. rupestris* × *arizonica*".—Bailey in Gent. Herb. 3: 228, fig. 104, 121 (1934).

*Vitis rubra* var. *Solonis* Planchon, Vignes Amér. 118 (1875).

*Vitis Solonis* Hort. Berol. ex Planchon, op. cit. 119 (1875), pro syn.—Planchon ex Rehder, Man. Cult. Trees Shrubs, 602 (1927), pro syn.

*Vitis Nuevo Mexicana* Lemmon ex Munson in Trans. Am. Hort. Soc. 3: 132 (1885).—Munson in Wine & Fruit Grower, 7: 85 (1885).

*Vitis novo-mexicana* Munson in Proc. Soc. Prom. Agric. Sci. 1887: 59 (1887) "*Novo Mexicana*".—Foëx, Cours Compl. Vitic. éd. 2, 876 (1888) "*Novo-Mexicana*".—Bailey in Gent. Herb. 3: 228 (1934).

**V. Treleasei** Munson ex Bailey in Gray, Synopt. Fl. N. Am. 1: 423 (1897).—Bailey in Gent. Herb. 3: 231 (1934).**V. monticola** Buckley in Rep. U. S. Commiss. Patents Agric. 1861: 485 (1862).—Bailey in Gent. Herb. 3: 229, fig. 129, 130 (1934).

*Vitis aestivalis* var. *monticola* Engelmann in Am. Naturalist, 2: 321 (1869), p. p., quoad basonym.

*Vitis Foëxiana* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 616 (1887), nom. subnud.

*Vitis Texana* Munson in Proc. Soc. Prom. Agric. Sci. 1887: 59 (1887), nom.

*Vitis montana* Buckley ex Foëx, Cours Compl. Vitic. éd. 2, 877 (1888), pro syn.; non Rafinesque (1830).

**V. Champini** Planchon in Vigne Amér. 6: 22 (1882) "*V. rupestris* × *candicans*".—Bailey in Gent. Herb. 3: 209, fig. 119, 120 (1934).**V. flexuosa** Thunberg in Trans. Linn. Soc. Lond. 2: 103 (1793).—Planchon in A. & C. de Candolle, Monog.

- Phaner. 5: 347 (1887).—Nakai, Fl. Sylv. Kor. 12: 18, t. 4 (1922).
- Vitis indica* sensu Thunberg, Fl. Jap. 103 (1784), non Linnaeus (1753).
- Vitis flexuosa* f. *typica* Planchon, l. c. (1887).
- V. flexuosa** var. **parvifolia** (Roxb.) Gagnepain in Sargent, Pl. Wilson. 1: 103 (1911), exclud. syn. Veitch.
- Vitis Wallichii* De Candolle, Prodr. 1: 634 (1824).
- Vitis Purani* Don, Prodr. Fl. Nepal. 188 (1825).
- Vitis parvifolia* Roxburgh, Fl. Ind. [ed. 2] 1: 662 (1832).—Parker in Ind. Forester, 59: 63, t. 9 (1933).
- Vitis vulpina* γ. *parvifolia* Regel in Act. Hort. Petrop. 2: 394 (1873).
- Vitis flexuosa* f. γ. *parvifolia* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 348 (1887).
- Vitis flexuosa* var. *chinensis* Veitch in Jour. Hort. Soc. Lond. 28: 393, fig. 107 (1904), nom. subnud.
- Vitis flexuosa* sensu Léveillé, Fl. Kouy-Tchéou, 27 (1914); p. p.; non Thunberg (1793).
- V. rupestris** Scheele in Linnaea, 21: 591 (1848).—Bailey in Gent. Herb. 3: 227, fig. 129 (1934).
- Vitis vinifera* a. *vulpina* 3b. *rupestris* Kuntze, Rev. Gen. Pl. 1: 132 (1891).
- V. Baileyana** Munson, *Vitis Baileyana* Munson, 2 p. [1893].—Bailey, in Gent. Herb. 3: 219, fig. 102e, 124, 125 (1934).
- Vitis virginiana* Munson in Gard. & For. 3: 475 (1890), non Poirét (1808).
- V. Berlandieri** Planchon in Compt. Rend. Acad. Sci. Paris, 91: 425 (1880).—Bailey in Gent. Herb. 3: 221, fig. 126 (1934).
- Vitis monticola* sensu Durand in Bull. Soc. Acclim. Paris, 9: 434 (1862), non Buckley (1862).
- Vitis aestivalis* var. *monticola* Engelmann in Am. Naturalist, 2: 321 (1869), p. p.
- V. Wilsonae** Veitch in Gard. Chron. ser. 3, 46: 236, fig. 101 (1909).—Rehder in Jour. Arnold Arb. 15: 18 (1934).
- Vitis reticulata* Pampanini in Nuov. Giorn. Bot. Ital. 17: 429, fig. 13 (1910).—Rehder in Sargent, Pl. Wilson. 3: 428 (1917).—Non M. A. Lawson (1875).
- Vitis Marchandii* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 531 (1913).
- Vitis flexuosa* sensu Léveillé, Fl. Kouy-Tchéou, 27 (1914), p. p. quoad syn. *V. Marchandii*; non Thunberg (1793).
- V. betulifolia** Diels & Gilg in Bot. Jahrb. 29: 461 (1900).
- V. cinerea** Engelmann ex Millardet, Ét. Quelq. Esp. Vignes Am. N. 17, 34, t. 4 (1870).—Planchon in A. & C. de Candolle, Monog. Phaner. 5: 343 (1887).—Bailey in Gent. Herb. 3: 215, fig. 122 (1934).
- Vitis aestivalis* var. ? *cinerea* Engelmann ex Gray, Man. Bot. N. U. S. ed. 5, 679 (1868).
- V. cinerea** var. **canescens** Bailey in Gray, Syn. Fl. N. Am. 1: 425 (1897); in Gent. Herb. 3: 216 (1934).
- Vitis aestivalis* var. *canescens* Engelmann in Am. Naturalist, 2: 321 (1869), nom.
- Vitis canescens* Engelmann msc. ex Planchon in A. & C. de Candolle, Monog. Phaner. 5: 343 (1887), pro syn.
- V. arizonica** Engelmann in Am. Naturalist, 9: 268 (1875).—Planchon in A. & C. de Candolle, Monog. Phaner. 5: 340 (1887).—Bailey in Gent. Herb. 3: 214, fig. 119 (1934).
- V. californica** Benthams, Bot. Voy. Sulphur, 10 (1844), sphalm. "*Vitex*".—Planchon in op. cit. 339 (1887).—Bailey in op. cit. 211 (1934).
- V. argentifolia** Munson in Proc. Soc. Prom. Agric. Sci. 1887: 59 (1887), nom.—House, Annot. List Ferns Flow. Pl. New York State, 486 (N. York State Mus. Bull. 254) (1924).—Bailey in Gent. Herb. 3: 194, fig. 109, 110, 113 (1934).
- Vitis bicolor* Leconte in Proc. Acad. Nat. Sci. Philad. 6: 272 (1853), nom. subnud.—Britton & Brown, Ill. Fl. N. U. S. 2: 409, fig. 2401 (1897).—Non Rafinesque (1830).
- Vitis caerulea* Munson ex Viala, Mission Vitic. 113 (1889), pro syn.
- Vitis aestivalis* var. *bicolor* Coulter & Watson ex Britton & Brown, Ill. Fl. N. U. S. 2: 409 (1897), pro syn.—Deam, Shrubs Indiana, 207 (1924).
- Vitis Leconteana* House in Am. Midland Nat. 7: 128 (1921).
- Vitis aestivalis* var. *argentifolia* (Muns.) Fernald in Rhodora, 38: 428 (1936), in nota.
- V. aestivalis** Michaux, Fl. Bor.-Am. 2: 230 (1803).—Planchon in A. & C. de Candolle, Monog. Phaner. 5: 334 (1887).—Bailey in Gent. Herb. 3: 198, fig. 110, 111 (1934).
- Vitis aestivalis* β. *sinuata* Pursh, Fl. Am. Sept. 1: 169 (1814).
- Vitis sinuata* G. Don, Gen. Hist. Dichlam. Pl. 1: 711 (1831).
- Vitis aestivalis* var. *punctata* J. F. Weber in Rep. U. S. Commiss. Patents Agric. 1859: 67 (1860).
- Vitis aestivalis* var. *genuina* Durand in Act. Soc. Linn. Bordeaux, 24: 162 (1860), exclud. syn.
- Vitis Labrusca* var. *aestivalis* Regel in Act. Hort. Petrop. 2: 396 (1873).
- Vitis vinifera* var. *aestivalis* Kuntze, Rev. Gen. Pl. 1: 132 (1891).
- V. aestivalis** var. **Bourquiniana** (Muns.) Bailey in Gray, Syn. Fl. N. Am. 1: 428 (1897).
- Vitis Bourquina* Munson ex Viala, Mission Vitic. Am. 119 (1889).—Bailey in Gent. Herb. 3: 201 (1934).
- Vitis Bourquiniana* Munson in Am. Garden, 12: 584 (1891).
- V. Lincecumii** S. B. Buckley in Rep. U. S. Commiss. Patents Agric. 1861: 485 (1862) "*Linsecumii*".—Planchon in A. & C. de Candolle, Monog. Phaner. 5: 338 (1887).—Bailey in Gent. Herb. 3: 192, fig. 103 (1934).
- Vitis incisifolia* Davin in Vigne Amér. 3: 31 (1879).
- Vitis aestivalis* var. *Lincecumii* Munson in Proc. Am. Pomol. Soc. 20: 97 (1886), nom.
- V. Lincecumii** var. **glauca** Munson in Rev. de Vitic. 5: 159 (1896).—Bailey in Gent. Herb. 3: 193, fig. 112 (1934).
- Vitis aestivalis* var. *glauca* Bailey in Gray, Syn. Fl. N. Am. 1: 427 (1897).
- Vitis Lincecumii* var. *lactea* Small, Fl. Southeast. U. S. 755, 1334 (1903).
- V. Coignetiae** Pulliat ex Planchon in Vigne Amér. 7: 186 (1883); A. & C. de Candolle, Monog. Phaner. 5: 325 (1887).
- Vitis Labrusca* a. *typica* a. *grandifolia* Regel in Act. Hort. Petrop. 2: 395 (1873), p. p.
- Vitis amurensis* var. *Coignetii* Nakai, Fl. Sylv. Kor. 12: 22 (1922).

**Vitis Coignetiae** (continued)

*Vitis Kaempferi* sensu Rehder in Jour. Arnold Arb. **7**: 31 (1926), non K. Koch (1853).

**V. Coignetiae** var. **glabrescens** Nakai in Bot. Mag. Tokyo, **32**: 108 (1918) "*Coignetii*".

*Vitis amurensis* var. *glabrescens* Nakai, Fl. Sylv. Kor. **12**: 22 (1922).

*Vitis Kaempferi* var. *glabrescens* Rehder in Jour. Arnold Arb. **7**: 31 (1926).

**V. pulchra** [? *V. amurensis* × *Coignetiae*] Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 258 [1914]; Man. Cult. Trees Shrubs, ed. 2, 614 (1940).

*Vitis flexuosa major* Veitch in Jour. Hort. Soc. Lond. **28**: 393 (1903).

**V. quinquangularis** Rehder in Jour. Arnold Arb. **26**: 480 (1945).

*Vitis pentagona* Diels & Gilg in Bot. Jahrb. **29**: 460 (1900). — Rehder in Sargent, Pl. Wilson. **3**: 428 (1917). — Non Voigt (1845), nec M. A. Lawson (1875).

*Vitis Coignetiae* sensu Diels in Bot. Jahrb. **29**: 461 (1900), non Planchon (1883).

*Vitis ficifolia* var. *pentagona* Pampanini in Nuov. Giorn. Bot. Ital. **17**: 116 (1910).

**V. quinquangularis** var. **bellula** (Rehd.) Rehder in Jour. Arnold Arb. **26**: 480 (1945).

*Vitis pentagona* var. *bellula* Rehder in Sargent, Pl. Wilson. **3**: 428 (1917).

**V. lanata** Roxburgh, Fl. Ind. **2**: 474 (1824); [ed. 2], **1**: 660 (1832). — Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 328 (1887).

*Vitis Heyneana* Roemer & Schultes, Syst. Veg. **5**: 318 (1819).

*Vitis cordifolia* A. W. Roth, Nov. Pl. Sp. Ind. Or. **158** (1821), non Michaux (1803).

**V. Thunbergii** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**: 198 (Fl. Jap. Fam. Nat. **1**: 90) (1845). — Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 333 (1887).

*Vitis Labrusca* sensu Thunberg, Fl. Jap. **103** (1784), non Linnaeus (1753).

?*Vitis ficifolia* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 86 (Enum. Pl. Chin. Bor. **12**. 1833) (1835).

*Vitis Labrusca* a. *typica* c. *ficifolia* Regel in Act. Hort. Petrop. **2**: 396 (1873).

*Vitis bryoniaefolia* sensu Hance in Jour. Bot. **20**: 3 (1882), non Bunge (1833).

*Vitis Sieboldii* Hort. Berol. ex K. Koch, Dendr. **1**: 549 (1869), pro syn.

*Vitis ficifolia* var. *Sieboldii* (Vanhoutte) Lavallée, Arb. Segrez. **36** (1877), nom.

*Vitis ficifolia* var. *Thunbergii* Lavallée, l. c. (1877). — Nakai in Bot. Mag. Tokyo, **36**: 7 (1921); Fl. Sylv. Kor. **12**: 19, t. 5 (1922) "var. *Thunbergii*".

*Vitis Labrusca* var. *Thunbergii* Ito & Matsumura in Jour. Coll. Sci. Tokyo, **12**: 379 (1899).

*Vitis Thunbergii* a. *typica* Makino in Jour. Jap. Bot. **1**: 31 (1918).

**V. Thunbergii** var. **sinuata** (Reg.) Rehder in Jour. Arnold Arb. **3**: 222 (1922).

*Vitis Labrusca* a. *typica* d. *sinuata* Regel in Act. Hort. Petrop. **2**: 396 (1873); in Gartenfl. **22**: 204, t. 765, fig. 1 (1873).

*Vitis Thunbergii* β. *partita* Makino in Jour. Jap. Bot. **1**: 32 (1918).

*Vitis ficifolia* var. *Thunbergii* Nakai, Fl. Sylv. Kor. **12**: 19, t. 5 (1922) p. p. quoad t. 5, fig. a.

**V. candicans** Engelmann & Gray in Boston Jour. Nat. Hist. **6**: 166 (Pl. Lindheim.) (1850), nom. subnud. — Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 326 (1887). — Bailey in Gent. Herb. **3**: 189, fig. 108 (1934).

*Vitis mustangensis* S. B. Buckley in Rep. U. S. Commiss. Patents Agric. **1861**: 482 (1862); in Proc. Acad. Nat. Sci. Philad. **1861**: 451 (1862).

*Vitis vinifera* β. *tiliaefolia* 4. *candicans* Kuntze, Rev. Gen. Pl. **1**: 132 (1891).

**V. Doaniana** Munson ex Viala, Mission Vitic. Am. **101** (1889). — Munson in Am. Garden, **12**: 660 (1891). — Bailey in Gent. Herb. **3**: 212, fig. 121 (1934).**V. Labrusca** Linnaeus, Sp. Pl. **202** (1753). — Bailey in op. cit. **185**, fig. 98, 99, 102b, 107 (1934).

?*Vitis taurina* Walter, Fl. Carol. **242** (1788).

*Vitis latifolia* Rafinesque, Med. Fl. **2**: 126 (1830); Am. Man. Grape Vines, **10** (1830); non Roxburgh (1824).

*Vitis canina* Rafinesque, op. cit. **127** (1830); **11** (1830).

*Vitis luteola* Rafinesque, op. cit. **127** (1830); **11** (1830).

*Vitis Labrusca* a. *typica* Regel in Act. Hort. Petrop. **2**: 395 (1873), exclud. pl. jap.

*Vitis vinifera* var. *Labrusca* Kuntze, Rev. Gen. Pl. **1**: 132 (1891).

**V. Labrusca** f. **alba** (Prince) Fernald in Rhodora, **41**: 431 (1939).

*Vitis Labrusca* var. *alba* Prince, Treat. Vine, **181** (1830).

**V. Romaneti** Romanet du Caillaud in Compt. Rend. Acad. Sci. Paris, **92**: 1096 (1881), nom. — Foëx, Cours Compl. Vitic. **44** (1886). — Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 365 (1887). — Courtois in Mém. Concern. Hist. Nat. Emp. Chin. **6**: 45, t. 14A (Herb. Mus. Zi-ka-wei) (1920).

*Vitis rutilans* Carrière in Rev. Hort. **1890**: 444, t. (1890). *Ampelovitis Romaneti* Carrière in op. cit. **1892**: 94 (1892).

**V. Davidi** (Carr.) Foëx, Cours Compl. Vitic. **44** (1886). — Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 365 (1887). — Viala, Ampelogr. **1**: 437, t. 35 (1910). — Rehder in Jour. Arnold Arb. **15**: 19 (1934).

*Spinovitis Davidi* Romanet du Caillaud in Compt. Rend. Acad. Sci. Paris, **92**: 1096 (1881), nom.; in Rev. Hort. **1883**: 53 (1883), nom. subnud. — Carrière in Rev. Hort. **1885**: 55, fig. 10 (1885); **1890**: 465, fig. 135 (1890).

*Vitis ficifolia* sensu Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 364 (1887), non Bunge (1833).

*Vitis armata* Diels & Gilg in Bot. Jahrb. **29**: 462 (1900). — Gagnepain in Sargent, Pl. Wilson. **1**: 104 (1911).

*Vitis prunisapida* Léveillé & Vaniot in Repert. Sp. Nov. Reg. Veg. **3**: 350 (1907).

**V. Davidi** var. **cyanocarpa** (Gagnep.) Sargent, Pl. Wilson. **1**: 104 (1911), in nota.

?*Vitis armata* var. *Veitchii* Veitch, Novelties, **1908-9**: 26, fig. (1908), nom. subnud.

*Vitis armata* var. *cyanocarpa* Gagnepain in Sargent, Pl. Wilson. **1**: 104 (1911).

**V. Piasezkii** Maximowicz in Bull. Acad. Sci. St. Pétersb. **27**: 561 (1881); in Act. Hort. Petrop. **11**: 102 (1890).

*Parthenocissus sinensis* Diels & Gilg in Bot. Jahrb. **29**: 463 (1900).

**V. Piasezkii** var. **Pagnuccii** (Planch.) Rehder in Jour. Arnold Arb. **3**: 223 (1922).

- Vitis Pagnucci* Romanet du Caillaud in Compt. Rend. Congr. Nat. Soc. Franç. Géog. (Toulouse) 5: 119 (1884), nom.; in Vigne Amér. 9: 283 (1885), nom. — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 364 (1887) "*Pagnucci*".
- Ampelovitis* Carrière in Rev. Hort. 1888: 537, fig. 134 (1888).
- Ampelovitis Davidi* Carrière in op. cit. 1889: 204, t. (1889).
- Ampelopsis Davidii* Mottet in Nicholson & Mottet, Dict. Prat. Hort. 1: 138 (1892).
- Ampelovitis Davidiana* Carrière ex Bailey, Cycl. Am. Hort. [4]: 1956 (1902), pro syn.
- Ampelopsis Davidiana* Mottet ex Bailey, l. c. (1902), pro syn.
- Vitis Davidiana* Hort. p. p. ex Bailey, l. c. (1902), pro syn.; non Nicholson (1887).
- Subgen. II. MUSCADINIA (Planch.) Rehder, Man. Cult. Trees Shrubs, 601 (1927).
- Vitis* sect. *Muscadinia* Planchon, Vignes Amér. 101 (1875).
- Muscadinia* Small, Fl. Southeast. U. S. 756, 1335 (1903).
- V. rotundifolia** Michaux, Fl. Bor.-Am. 2: 231 (1803). — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 362 (1887).
- Vitis campestris* Bartram, Travels N. & S. Carol. 400 (1791), nom. subnud. — Fernald in Rhodora, 46: 48 (1944). — Merrill in Bartonia, 23: 32 (1945).
- ?*Vitis taurina* Bartram in Med. Repos. New York, hex. 2, 1: 22 (1804); non Walter (1788).
- Vitis Muscadina* Rafinesque, Med. Fl. 2: 132 (1830); Am. Man. Grape Vines, 16 (1830); nom. altern.
- Vitis angulata* Rafinesque, l. c. (1830).
- Vitis verrucosa* Rafinesque, op. cit. 133 (1830); op. cit. 17 (1830).
- Vitis vulpina* sensu Torrey & Gray, Fl. N. Am. 1: 245 (1838), non Linnaeus (1753).
- Vitis vulpina* a. *rotundifolia* Regel in Act. Hort. Petrop. 2: 394 (1873).
- Vitis vinifera* a. *vulpina* 3. *rotundifolia* Kuntze, Rev. Gen. Pl. 1: 132 (1891).
- Muscadinia rotundifolia* Small, Fl. Southeast. U. S. 757, 1335 (1903).
- AMPELOPSIS** Michaux, Fl. Bor.-Am. 1: 159 (1803) exclud. sp. [2 et 3]. — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 453 (1887).
- Allosampela* Rafinesque, Med. Fl. 2: 122 (1830).
- Nekemias* Rafinesque, Sylva Tellur. 87 (1838).
- Vitis* sect. *Cissus* Boissier, Fl. Or. 1: 956 (1867).
- Ampelopsis* Abt. *Ampelopsis* Schelle in Beissner et al., Handb. Laubh.-Ben. 333 (1903), nom. subnud.
- LECTOTYPUS: *A. cordata* Michx.
- A. humulifolia** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 86 (Enum. Pl. Chin. Bor. 12. 1833) (1835). — Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 187 [1913].
- Cissus humulifolia* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 44: 34, t. 3, fig. 1, 2 (Tent. Fl. Ussur.) (1861).
- Cissus Davidiana* Carrière in Rev. Hort. 1868: 30, fig. 2 (1868).
- Vitis Davidiana* Nicholson, Ill. Dict. Gard. 4: 187, fig. 203 (1887).
- ?*Cissus platanifolia* [hort.] ex Nicholson, l. c. (1887), pro syn.
- Ampelopsis heterophylla* var. *a. Bungei* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 456 (1887) exclud. syn. Hooker f.
- Ampelopsis heterophylla* var. *humulifolia* (Bunge) Merrill in Philipp. Jour. Sci. Bot. 11: 129 (1916), exclud. syn. Hooker f.
- A. Bodinieri** (Lévl. & Vant.) Rehder in Jour. Arnold Arb. 15: 23 (1934).
- Vitis flexuosa* var. *Wilsoni* Veitch in Jour. Hort. Soc. Lond. 28: 394 (1904); Novelties, 1905: 5, fig. (1905). — Penninck in Rev. Hort. Belg. 32: 262, fig. 61 (1906), errore "*Lonicera*" in tab.
- Vitis Bodinieri* Léveillé & Vaniot in Bull. Soc. Agric. Sci. Arts Sarthe, 40: 36 (1905); in Repert. Sp. Nov. Reg. Veg. 2: 157 (1906).
- Vitis repens* Veitch, Novelties, 1908-9: 8, fig. (p. 29) (1908), non Wight & Arnott (1834).
- Ampelopsis heterophylla* var. *amurensis* sensu Gagnepain in Sargent, Pl. Wilson. 1: 100 (1911), non Planchon (1887).
- Ampelopsis micans* Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 188 [1913]; Man. Cult. Trees Shrubs, 607 (1927).
- Vitis heterophylla* sensu Léveillé, Fl. Kouy-Tchéou, 27 (1914), non Thunberg (1784).
- Vitis micans* (Rehd.) Bean, Trees Shrubs Brit. Isl. 3: 501 (1933).
- A. Bodinieri** var. *cinerea* (Gagnep.) Rehder in Jour. Arnold Arb. 15: 23 (1934).
- Vitis Lyjoannis* Léveillé in Bull. Soc. Bot. France, 54: 369 (1907).
- Ampelopsis heterophylla* var. *cinerea* Gagnepain in Sargent, Pl. Wilson. 1: 101 (1911), p. p.
- Ampelopsis micans* var. *cinerea* Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 189 [1913].
- Vitis heterophylla* sensu Léveillé, Fl. Kouy-Tchéou, 27 (1914), p. p.; non Thunberg (1784).
- A. vitifolia** (Boiss.) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 454 (1887).
- Cissus vitifolia* Boissier, Diagn. Pl. Nov. Or. sér. 3, 6: 231 (1845).
- Cissus aegiophylla* Bunge in Arbeit. Naturf. Ver. Riga, 12: 193 (1847); in Mém. Div. Sav. Acad. Sci. St. Pétersb. 7: 231 (Al. Lehmann Reliq. Bot. 55. 1851) (1854).
- Vitis persica* Boissier, Fl. Or. 1: 955 (1867).
- Ampelopsis aegiophylla* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 454 (1887). — Schneider, Ill. Handb. Laubh. 2: 318, fig. 213k-l (1909) "*aegyrophylla*".
- Vitis argyrophylla* Carrière in Rev. Hort. 1892: 222 (1892).
- A. cordata** Michaux, Fl. Bor.-Am. 1: 159 (1803). — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 453 (1887).
- Vitis indivisa* Willdenow, Berlin. Baumz. ed. 2, 538 (1811).
- Ampelopsis cordifolia* Rafinesque, Am. Man. Grape Vines, 6 (1830).
- Vitis cordata* K. Koch, Dendr. 1: 554 (1869).
- Vitis heterophylla* a. *cordata* Regel in Act. Hort. Petrop. 2: 392 (1873); in Gartenfl. 22: 197 (1873), exclud. pl. as.
- Ampelopsis gilgitensis* Koehne, Deutsche Dendr. 399 (1893).
- A. brevipedunculata** (Maxim.) Trautvetter in Act. Hort. Petrop. 8: 176 (1883). — Rehder in Jour. Arnold Arb. 2: 174 (1921).
- Cissus* (*Ampelopsis*) *brevipedunculata* Maximowicz in

**Ampelopsis brevipedunculata** (*continued*)

- Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 68 (Prim. Fl. Amur.) (1859).  
*Cissus humulifolia* β. *brevipedunculata* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4: 35 (Tent. Fl. Ussur.) (1861).  
*Vitis heterophylla* α. *cordata* Regel in Act. Hort. Petrop. 2: 392 (1873), p. p.; in Gartenfl. 22: 197 (1873), p. p. quoad pl. as.  
*Ampelopsis heterophylla* var. β. *amurensis* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 456 (1887).  
*Ampelopsis heterophylla* var. γ. *Lavallei* Planchon, l. c. (1887).  
*Vitis brevipedunculata* Dippel, Handb. Laubh. 2: 564 (1892).  
*Vitis amurensis* hort. ex Dippel, l. c. (1892), pro syn.; non Ruprecht (1857).  
**A. brevipedunculata** var. *Maximowiczii* (Regel) Rehder in Bailey in Gent. Herb. 1: 36 (1920); in Jour. Arnold Arb. 2: 175 (1921).  
*Vitis heterophylla* Thunberg, Fl. Jap. 103 (1784).  
*Allosampela heterophylla* Rafinesque, Med. Fl. 2: 122 (1830); Sylva Tellur. 88 (1838).  
*Ampelopsis heterophylla* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4: 197 (Fam. Nat. Fl. Jap. 1: 89) (1846), exclud. var. α. — Nakai, Fl. Sylv. Kor. 12: 15, t. 3 (1922), p. p. — Non Blume (1825).  
*Ampelopsis humulifolia* β. *heterophylla* K. Koch, Hort. Dendr. 48 (1853).  
*Cissus bryoniaefolia* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4: 35, t. 3, fig. 3 (Tent. Fl. Ussur.) (1861), non Bunge (1833).  
*Ampelopsis Regeliana* Carrière in Rev. Hort. 1866: 440 (1866).  
*Vitis heterophylla* var. *humulifolia* Hooker f. in Bot. Mag. 93: t. 5682 (1867), exclud. syn. Bunge.  
*Vitis heterophylla* β. *Maximowiczii* Regel in Gartenfl. 22: 197, t. 765, fig. 2 (1873).  
*Vitis humulifolia* f. *glabra* O. Debeaux in Act. Linn. Soc. Bordeaux, 31: 132 (Fl. Tché-fou, 37) (1876).  
*Ampelopsis heterophylla* var. *Bungei* subvar. α.<sup>51a</sup> *Sieboldii* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 456 (1887).  
*Ampelopsis heterophylla* (f.) *Maximowiczii* Schelle in Beissner et al., Handb. Laubh.-Ben. 333 (1903).  
*Ampelopsis heterophylla* (f.) *Regeliana* hort. ex Schelle, l. c. (1903).  
*Ampelopsis heterophylla* (f.) *humulifolia* hort. ex Schelle, l. c. (1903), p. p. — Merrill in Philipp. Jour. Sci. Bot. 11: 129 (1916) "var."; p. p. quoad syn. Hooker f.  
*Ampelopsis aconitifolia* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 1: 77 (1894), pro syn.  
**A. brevipedunculata** f. *elegans* (K. Koch) Rehder in Jour. Arnold Arb. 2: 176 (1921) "var. *Maximowiczii* f. e." — Bailey in Gent. Herb. 4: 135 (1923) "var."  
*Vitis elegans* K. Koch in Ind. Sem. Hort. Berol. 1855 (app.): 16 (1855).  
*Cissus elegans* Hort. ex Jäger, Ziergeh. 567 (1865), pro syn. — Carrière in Rev. Hort. 1876: 419 (1876).  
*Vitis heterophylla* γ. *elegans* Regel in Gartenfl. 22: 197 (1873).  
*Vitis elegantissima* Hort. ex Jäger in Jäger & Beissner, Ziergeh. ed. 2, 417 (1884), pro syn.  
*Vitis Sieboldii* hort. nonn. ex Dippel, Handb. Laubh. 2: 567 (1892), pro syn.  
*Ampelopsis heterophylla* f. *elegans* Voss, Vilmor. Blumen-

- gärt. 1: 183 (1894). — Rehder in Bailey, Cycl. Am. Hort. [1]: 59 (1900) "var."  
*Vitis heterophylla* var. *variegata* [Nicholson in] Kew Hand-list Trees Shrubs, 1: 77 (1894). — Mottet in Rev. Hort. n. sér. 17: 392, t. (1921).  
*Ampelopsis tricolor* hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 59 (1900), pro syn.  
*Vitis heterophylla* var. *tricolor* hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, ed. 2, 117 (1902).  
*Ampelopsis heterophylla* (f.) *tricolor* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 333 (1903).  
**A. brevipedunculata** f. *citruloides* (Lebas) Rehder in Jour. Arnold Arb. 2: 176 (1921) "var. *Maximowiczii* f. c." — Bailey in Gent. Herb. 4: 135 (1923) "var."  
*Ampelopsis citruloides* Lebas in Rev. Hort. 1875: 179 (1875).  
*Vitis citruloides* hort. nonn. ex Dippel, Handb. Laubh. 2: 565 (1892), pro syn.  
*Vitis citrullifolia* et *Ampelopsis citrullifolia* hort. ex Dippel, l. c. (1892), pro syn.  
*Ampelopsis heterophylla* (f.) *citruloides* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 333 (1903). — Rehder in Bailey, Stand. Cycl. Hort. 1: 278 (1914) "var."  
*Vitis heterophylla* var. *citruloides* hort. ex Schneider, Handb. Laubh. 2: 320 (1909), pro syn.  
**A. Delavayana** Planchon in A. & C. de Candolle, Monog. Phaner. 5: 458 (1887). — Rehder in Jour. Arnold Arb. 14: 349 (1933); 15: 24 (1934).  
*Vitis Delavayana* Franchet, Pl. Delavay. 139 [1889], pro syn.  
*Ampelopsis aconitifolia* γ. *tomentella* Diels & Gilg in Bot. Jahrb. 29: 465 (1900).  
*Ampelopsis rigida* Léveillé & Vaniot in Bul. Agric. Sci. Sarthe, 11: 297 (1912).  
**A. aconitifolia** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 86 (Enum. Pl. Chin. Bor. 12. 1833) (1835). — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 450 (1887).  
*Vitis dissecta* Carrière in Rev. Hort. 1868: 10, fig. 1 (1868).  
*Vitis aconitifolia* Hance in Jour. Linn. Soc. Lond. Bot. 13: 77 (1873).  
*Ampelopsis dissecta* Anon. in Garden, 5: 523, fig. (1874).  
*Vitis bipinnata* Carrière fide Decaisne ex Planchon in A. & C. de Candolle, Monog. Phaner. 5: 450 (1887), pro syn.  
*Ampelopsis aconitifolia* β. *dissecta* Koehne, Deutsche Dendr. 400 (1893). — Schelle in Beissner et al., Handb. Laubh.-Ben. 334 (1903) "(f.)"  
**A. aconitifolia** var. *glabra* Diels in Bot. Jahrb. 29: 465 (1900) "a."  
*Ampelopsis palmiloba* Carrière in Rev. Hort. 1867: 451, fig. 40 (1867).  
*Ampelopsis rubricaulis* Carrière in op. cit. 1868: 40 (1868). — Schneider Ill. Handb. Laubh. 2: 321, fig. 213h-h<sup>1</sup> (1909).  
*Ampelopsis aconitifolia* α. *typica* Koehne, Deutsche Dendr. 400 (1893). — Schelle in Beissner et al., Handb. Laubh.-Ben. 334 (1903) "(f.)" — Non typus speciei.  
*Ampelopsis aconitifolia* (f.) *rubricaulis* Schelle, l. c. (1903).  
*Vitis aconitifolia* sensu Veitch in Jour. Hort. Soc. Lond. 28: 392, fig. 87 (1903), non Bunge (1833).  
*Vitis Dunniana* Léveillé in Repert. Sp. Nov. Reg. Veg. 11: 297 (1912).



- Ampelopsis aconitifolia* var. *palmiloba* Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 190 [1913].
- A. japonica** (Thunb.) Makino in Bot. Mag. Tokyo, **17**: 113 (1903). — Nakai, Fl. Sylv. Kor. **12**: 13, t. 2 (1922).  
*Paullinia japonica* Thunberg, Fl. Jap. 170 (1784).  
*Ampelopsis serjaniaefolia* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 86 (Enum. Pl. Chin. Bor. 12. 1833) (1835) "*serianaefolia*". — Regel in Gartenfl. **16**: 3, t. 531 (1867). — Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 459 (1887). — Schelle in Beissner et al., Handb. Laubh.-Ben. 334 (1903) "*serjaniifolia*".  
*Cissus* (*Ampelopsis*) *serjaniaefolia* Walpers, Rep. Syst. Bot. **1**: 441 (1842).  
*Cissus viticifolia* β. Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **42**: 196 (Fl. Jap. Fam. Nat. **1**: 88) (1845).  
*Vitis serjanaefolia* K. Koch, Dendr. **1**: 558 (1869).  
*Vitis pentaphylla* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 91 (1863). — Hance in Jour. Bot. **16**: 104 (1878). — Non Thunberg (1784).  
*Cissus viticifolia* β. *pinnatifida* Sieb. & Zucc. ex Regel in Gartenfl. **16**: 4 (1867), pro syn.  
*Ampelopsis napaeformis* Carrière in Rev. Hort. **1870**: 17 (1870).  
*Ampelopsis tuberosa* Carrière, l. c. (1870).  
*Vitis pentaphylla* var. *Franchet & Savatier*, Enum. Pl. Jap. **1**: 85 [1873].  
*Vitis pentaphylla* β. *pinnatifida* Franchet & Savatier ex Franchet & Savatier, op. cit. **2**: 316 [1878?], pro syn.
- A. arborea** (L.) Koehne, Deutsche Dendr. 400 (1893). — Britton & Brown, Ill. Fl. N. U. S. **2**: 412, fig. 2409 (1897).  
*Vitis arborea* Linnaeus, Sp. Pl. 203 (1753).  
*Hedera arborea* Walter, Fl. Carol. 102 (1788).  
*Ampelopsis bipinnata* Michaux, Fl. Bor.-Am. **1**: 160 (1803).  
*Cissus stans* Persoon, Syn. Pl. **1**: 143 (1805).  
*Cissus bipinnata* Elliott, Sketch Bot. S.-Carol. 304 [1817].  
*Nekemias bipinnata* Rafinesque, Sylva Tellur. 87 (1838).  
*Vitis bipinnata* Torrey & Gray, Fl. N. Am. **1**: 243 (1838).
- A. orientalis** (Lam.) Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 462 (1887).  
*Cissus orientalis* Lamarck, Tabl. Encycl. Méth. Bot. **1**: 332 (1791); Rec. Pl. **1**: t. 84, fig. 2 [1791].  
*Vitis orientalis* Boissier, Fl. Or. **1**: 956 (1867).
- A. megalophylla** Diels & Gilg in Bot. Jahrb. **29**: 466 (1900).  
*Vitis megalophylla* Veitch in Jour. Hort. Soc. Lond. **28**: 60, fig. 16 (1903).
- A. Chaffanjonii** (Lévl.) Rehder in Jour. Arnold Arb. **15**: 25 (1934).  
*Vitis Chaffanjonii* Léveillé in Bull. Soc. Agric. Sci. Sarthe, **40**: 37 (1905).  
*Leea Dielsii* Léveillé in Repert. Sp. Nov. Reg. Veg. **8**: 58 (1910).  
*Meliosma* ? *Cavaleriei* Léveillé in op. cit. **9**: 457 (1911).  
*Vitis megalophylla* Léveillé, Fl. Kouy-Tchéou, 28 (1914), nom.; non Veitch (1903).  
*Ampelopsis Watsoniana* Wilson in Jour. Hort. Soc. Lond. **42**: 37 (1916), nom. — Rehder & Wilson in Sargent, Pl. Wilson. **3**: 427 (1917).
- PARTHENOCISSUS** Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 447 (1881). — Rehder in Mitt. Deutsch. Dendr. Ges. **1905**(14): 129 (1905). — Nom. CONSERV. cf. Règl. Intern. Nomencl. Bot. 93, no. 4915 (1906).
- Hedera* Linnaeus, Sp. Pl. 202 (1753), quoad sp. 2.  
*Psedera* Necker, Elem. Bot. **1**: 158 (1790). — Greene, Leaf. Bot. Obs. **1**: 219 (1906). — Rehder in Rhodora, **10**: 24 (1908).  
*Ampelopsis* Michaux, Fl. Bor.-Am. **1**: 159 (1803), p. p. — Torrey & Gray, Fl. N. Am. **1**: 245 (1838).  
*Quinaria* Rafinesque, Am. Man. Grape Vines, 6 (1830). — Koehne, Deutsche Dendr. 398 (1893).  
*Ampelopsis* Abt. *Quinaria* Schelle in Beissner et al., Handb. Laubh.-Ben. 331 (1903), nom. subnud.  
LECTOTYPUS: *Hedera quinquefolia* L. = *P. quinquefolia* (L.) Planch.
- P. inserta** (Kerner) Fritsch, Exkursionfl. Oester. ed. 3, 321 (1922). — Rehder in Jour. Arnold Arb. **20**: 419 (1939), in nota.  
*Cissus quinquefolia* Solander mss. ex Sims in Bot. Mag. **51**: t. 2443 (1824) exclud. patria.  
*Ampelopsis hederacea* var. *dumetorum* Focke in Abh. Naturw. Ver. Bremen, **4**: 559 (1875).  
*Vitis* (*Ampelopsis*) *inserta* Kerner, Pflanzenleb. **1**: 658, fig. (1887).  
*Quinaria quinquefolia* Koehne in Gartenfl. **41**: 402 (1892); Deutsche Dendr. 399 (1893), p. p. exclud. basonym.  
*Ampelopsis quinquefolia* var. *vitacea* Knerr in Bot. Gaz. **18**: 70 (1893).  
*Parthenocissus vitacea* Hitchcock, Key Spring Fl. Manhattan, 26 (1894).  
*Parthenocissus quinquefolia* Graebner in Gartenfl. **49**: 250 (1900), p. p. exclud. basonym.  
*Parthenocissus Spaethii* Koehne & Graebner in Gartenfl. **49**: 274 (1900).  
*Ampelopsis quinquefolia* Schelle in Beissner et al., Handb. Laubh.-Ben. 333 (1903).  
*Parthenocissus dumetorum* Rehder in Sargent, Trees & Shrubs, **1**: 187, t. 89 (1905, April).  
*Parthenocissus vitacea* var. *typica* Rehder in Mitt. Deutsch. Dendr. Ges. **1905**(14): 135 (1905, Dec.).  
*Psedera vitacea* Greene, Leaf. Bot. Obs. **1**: 220 (1906).  
*Vitis vitacea* Bean, Trees Shrubs Brit. Isl. **2**: 679 (1914).  
*Parthenocissus quinquefolia* var. *vitacea* Bailey in Gent. Herb. **1**: 135 (1923).  
*Parthenocissus inserens* Hayek, Prodr. Fl. Pen. Balcan. **1**: 617, 1087 (*P. inserta*) (1925), sphalm.
- P. inserta** f. *macrophylla* (Lauche) Rehder in Jour. Arnold Arb. **20**: 418 (1939).  
*Ampelopsis quinquefolia* var. *macrophylla* Lavallée, Arb. Segrez. **34** (1877), nom.  
*Vitis quinquefolia* var. *macrophylla* Lauche, Deutsche Dendr. 470 (1880).  
*Ampelopsis quinquefolia* b. *latifolia* Dippel, Handb. Laubh. **2**: 574 (1892).  
*Vitis quinquefolia* var. *major* [Nicholson] in Kew Handlist Trees Shrubs, **1**: 79 (1894), nom.  
*Parthenocissus quinquefolia* c. *latifolia* Graebner in Gartenfl. **49**: 251 (1900).  
*Parthenocissus quinquefolia* var. *macrophylla* Rehder in Sargent, Trees & Shrubs, **1**: 188 (1905), errore pro *P. dumetorum* var. *m*.  
*Parthenocissus vitacea* var. *macrophylla* Rehder in Mitt. Deutsch. Dendr. Ges. **1905**(14): 135 (1905).  
*Psedera vitacea* f. *macrophylla* Rehder in Rhodora, **10**: 28 (1908).  
*Vitis vitacea* var. *macrophylla* Bean, Trees Shrubs Brit. Isl. **2**: 679 (1914).
- P. inserta** f. *dubia* (Rehd.) Rehder in Jour. Arnold Arb. **20**: 419 (1939).

**Parthenocissus inserta f. dubia** (continued)

*Parthenocissus hirsuta* Graebner in Gartenfl. **49**: 251 (1900), p. p. exclud. basonym.

*Parthenocissus vitacea* var. *dubia* Rehder in Mitt. Deutsch. Dendr. Ges. **1905**(14): 135 (1905).

*Psedera vitacea* var. *dubia* Rehder in Rhodora, **10**: 28 (1908).

**P. inserta** var. *laciniata* (Planch.) Rehder in Jour. Arnold Arb. **20**: 419 (1939).

*Parthenocissus quinquefolia* δ. *laciniata* Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 449 (1887).

*Ampelopsis quinquefolia* var. *laciniata* A. Gray msc. fide Meehan ex Planchon, l. c. (1887), pro syn.

*Parthenocissus quinquefolia* β. *heptaphylla* Graebner in Gartenfl. **49**: 251 (1900), p. p. exclud. basonym.

*Parthenocissus quinquefolia* δ. *laciniata* Graebner, l. c. (1900).

*Parthenocissus quinquefolia* ε. *serrata* (Spaeth) Graebner, l. c. (1900).

*Parthenocissus laciniata* Small, Fl. Southeast. U. S. **759**, 1335 (1903).

*Psedera laciniata* Greene, Leaf. Bot. Obs. **1**: 220 (1906).

*Psedera vitacea* var. *laciniata* Rehder in Rhodora, **10**: 28 (1908).

*Vitis vitacea* var. *laciniata* Bean, Trees Shrubs Brit. Isl. **2**: 679 (1914).

**P. heptaphylla** (Buckl.) Britton ex Small, Fl. Southeast. U. S. **759** (1903).

*Ampelopsis heptaphylla* Buckley in Proc. Acad. Nat. Sci. Philad. **1861**: 450 (1861), non Roemer & Schultes (1819).

*Vitis hederacea texana* Durand in Bull. Soc. Nat. Acclim. France, **9**: 486 (1862).

*Parthenocissus quinquefolia* γ. *A. heptaphylla* Buckley ex Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 449 (1887).

*Vitis heptaphylla* Britton in Trans. New York Acad. Sci. **9**: 10 (1889), non Linnaeus (1771).

*Ampelopsis quinquefolia* var. *heptaphylla* Bailey in Gray, Syn. Fl. N. Am. **1,1**: 432 (1897).

*Parthenocissus texana* Rehder in Sargent, Trees Shrubs, **1**: 189, t. 90 (1905).

*Psedera heptaphylla* Rehder in Rhodora, **10**: 28 (1908).

**P. quinquefolia** Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 448 (1887), exclud. var. γ. et δ.—Rehder in Sargent, Trees & Shrubs, **1**: 183, t. 88 (1905).

*Hedera quinquefolia* Linnaeus, Sp. Pl. 202 (1753).

?*Hedera carnosa* Bartram, Trav. N. & S. Carol. **243** (1791).

*Vitis hederacea* Ehrhart, Beitr. Naturk. **6**: 85 (1791).

*Vitis quinquefolia* Lamarck, Tabl. Encycl. Méth. Bot. **2**: 135 [1797].

*Ampelopsis quinquefolia* Michaux, Fl. Bor.-Am. **1**: 160 (1803).—Bailey in Gray, Syn. Fl. N. Am. **1,1**: 431 (1897).

*Cissus hederacea* Persoon, Syn. Pl. **1**: 143 (1805).

*Ampelopsis hederacea* De Candolle, Prodr. **1**: 633 (1824).

*Quinaria hederacea* Rafinesque, Am. Man. Grape Vines, **6** (1830).

*Ampelopsis virginiana* Hort. ex Dippel, Handb. Laubh. **2**: 575 (1892), pro syn.

*Ampelopsis quinquefolia* c. *angustifolia* Dippel, Handb. Laubh. **2**: 575 (1892).

*Psedera quinquefolia* Greene, Leaf. Bot. Obs. **1**: 220 (1906).

**P. quinquefolia f. Engelmannii** (Rehd.) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 223 [1916].

*Ampelopsis quinquefolia* var. *Engelmannii* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[1]**: 59 (1900, Feb. 14).

*Parthenocissus Engelmannii* Koehne & Graebner in Gartenfl. **49**: 285 (1900, Jun.).

*Vitis Engelmannii* Dieck ex Koehne & Graebner, l. c. (1900), pro syn.

*Ampelopsis Engelmannii* Hort.; Späth. Cat. ex Koehne & Graebner, l. c. (1900), pro syn.

**P. quinquefolia** var. *murorum* (Focke) Rehder in Mitt. Deutsch. Dendr. Ges. **1905**(14): 133 (1905); in Möller's Deutsch. Gärtn.-Zeit. **21**: 25, fig. (1906).

*Ampelopsis latifolia* Tausch in Flora, **21**: 738 (1838).

*Ampelopsis hylopus* Des Moulins in Act. Soc. Linn. Bordeaux, **24**: 109 (Quatre Mém.: Note Prop. Sing. Vrill. Vigne-Vierge, 5, fig.) (1862), nom. tentat.

*Ampelopsis quinquefolia* β. *hylopus* Des Moulins, l. c. (1862), nom. tentat. altern.

*Ampelopsis hederacea* var. *murorum* Focke in Abh. Naturw. Ver. Bremen, **4**: 560 (1875).

*Ampelopsis muralis* Lengerken in Bot. Zeitung, **43**: 384, t. 4, fig. 3–4 (1885).

*Quinaria radicansissima* Koehne in Gartenfl. **41**: 402 (1892); Deutsche Dendr. **399** (1893).

*Ampelopsis quinquefolia* var. *murorum* Rehder in Möller's Deutsch. Gärtn.-Zeit. **10**: 440 (1895).

*Parthenocissus radicansissima* Koehne & Graebner in Gartenfl. **49**: 286 (1900).

*Ampelopsis radicansissima* Schelle in Beissner et al., Handb. Laubh.-Ben. **332** (1903).

*Parthenocissus quinquefolia* var. *latifolia* Rehder in Sargent, Trees & Shrubs, **1**: 184 (1905), non Graebner (1900).

*Psedera quinquefolia* var. *murorum* Rehder in Rhodora, **10**: 27 (1908).

**P. quinquefolia f. minor** (Graebn.), grad. nov.

*Ampelopsis quinquefolia rotundifolia* Lavallée, Arb. Segez. **34** (1877), nom.

*Parthenocissus radicansissima* β. *minor* Graebner in Gartenfl. **49**: 286 (1900).

*Ampelopsis hederacea minor* Hort. ex Graebner, l. c. (1900), pro syn.

*Ampelopsis radicansissima* (f.) *minor* Schelle in Beissner et al., Handb. Laubh.-Ben. **332** (1903).

*Parthenocissus quinquefolia* var. *minor* Rehder in Sargent, Trees & Shrubs, **1**: 184 (1905).

*Psedera quinquefolia* var. *minor* Rehder in Rhodora, **10**: 27 (1908).

**P. quinquefolia** var. *hirsuta* (Pursh) Planchon in A. & C. de Candolle, Monog. Phaner. **5**: 449 (1887) "β."—Rehder in Sargent, Trees & Shrubs, **1**: 184 (1905).

*Ampelopsis hirsuta* Donn, Cat. Hort. Cantab. ed. 2, **50** (1802), nom.—Roemer & Schultes, Syst. Veg. **5**: 321 (1819).

*Cissus hederacea* β. *hirsuta* Pursh, Fl. Am. Sept. **1**: 170 (1814).

*Quinaria hirsuta* Rafinesque, Am. Man. Grape Vines, **6** (1830).—Koehne, Deutsche Dendr. **399** (1893).

*Ampelopsis pubescens* Schlechtendal in Linnaea, **10**: 251 (1835).

*Ampelopsis quinquefolia* β. *hirsuta* Torrey & Gray, Fl. N. Am. **1**: 245 (1838).

*Vitis pubescens* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 90 (1863).

*Vitis quinquefolia* c. *radicansissima* Lauche, Deutsche Dendr. **470** (1880).

- Ampelopsis quinquefolia* var. *cirrhatta* Jäger in Jäger & Beissner, Ziergeh. ed. 3, 28 (1889), nom. altern.
- Vitis quinquefolia* var. *hirsuta* [Nicholson] in Kew Handlist Trees Shrubs, 1: 79 (1894).
- Ampelopsis quinquefolia* var. *pubescens* Bailey in Gray, Syn. Fl. N. Am. 1, 1: 432 (1897).
- Ampelopsis Graebneri* Bolle in Gartenfl. 48: 257, t. 1462 (1899).
- Ampelopsis quinquefolia* var. *Graebneri* Rehder in Bailey, Cycl. Am. Hort. [1]: 59 (1900).
- Ampelopsis quinquefolia* var. *radicantissima* Rehder, l. c. (1900).
- Parthenocissus Graebneri* Graebner in Gartenfl. 49: 275 (1900).
- Ampelopsis radicantissima* (f.) *Graebneri* Schelle in Beissner et al., Handb. Laubh.-Ben. 332 (1903).
- Parthenocissus hirsuta* Small, Fl. Southeast. St. 758, 1335 (1903), sphalm. *hirsutus* (p. 758).
- Psedera hirsuta* Greene, Leaf. Bot. Obs. 1: 220 (1906).
- Psedera quinquefolia* var. *hirsuta* Rehder in Rhodora, 10: 26 (1908).
- Parthenocissus quinquefolia* f. *hirsuta* (Donn) Fernald in Rhodora, 41: 429 (1939).
- P. quinquefolia** var. **Saint-Paulii** (Koehne & Graebner) Rehder in Sargent, Trees & Shrubs, 1: 185 (1905).
- Parthenocissus Saint-Paulii* Koehne & Graebner in Gartenfl. 49: 283 (1900).
- Ampelopsis radicantissima* (f.) *Saint-Paulii* Schelle in Beissner et al., Handb. Laubh.-Ben. 332 (1903).
- Ampelopsis Saint-Paulii* Hort. ex Mottet in Rev. Hort. n. sér., 7: 567 (1907).
- Psedera quinquefolia* var. *Saint-Paulii* Rehder in Rhodora, 10: 27 (1908).
- Vitis quinquefolia* var. *Saint-Paulii* Bean, Trees Shrubs Brit. Isl. 2: 675 (1914).
- P. laetevirens** Rehder in Mitt. Deutsch. Dendr. Ges. 1912 (21): 190 [1913].
- Parthenocissus Henryana* sensu Gagnepain in Sargent, Pl. Wilson. 1: 101 (1911), exclud. syn., quoad specim. cit. 440; non Diels & Gilg (1900).
- P. Henryana** (Hemsl.) Diels & Gilg in Bot. Jahrb. 29: 464 (1900).
- Vitis Henryana* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 132 (1886).
- Parthenocissus Henryana* β. *typica* Diels & Gilg, l. c. (1900).
- Parthenocissus Henryi* Graebner in Gartenfl. 49: 248 (1900), in nota.
- Ampelopsis Henryana* Grignani in Rev. Hort. n. sér., 7: 211, fig. 71 (1907).
- Psedera Henryana* Schneider, Ill. Handb. Laubh. 2: 318, fig. 211n (1909).
- P. Thomsoni** (M. A. Laws.) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 453 (1887) "*P. Thomsoni*"; comb. tentat. — Gagnepain in Sargent, Pl. Wilson. 1: 101 (1911) "*Thomsonii*".
- Vitis Thomsoni* M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 657 (1875).
- Cissus Thomsoni* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 565 (1887).
- Parthenocissus Henryana* γ. *glaucescens* Diels & Gilg in Bot. Jahrb. 29: 464 (1900).
- Psedera Thomsoni* (Laws.) Stuntz in U. S. Dept. Agric. Bur. Pl. Indust. Seeds Pl. Import. Invent. 33: 35 (1915).
- Ampelopsis Thomsoni* Hort. ex Rehder, Man. Cult. Trees Shrubs, 611 (1927), pro syn.
- P. tricuspidata** (Sieb. & Zucc.) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 452 (1887). — Sprague in Bot. Mag. 135: t. 8287 (1909). — Rehder in Jour. Arnold Arb. 15: 23 (1934).
- Ampelopsis tricuspidata* Siebold & Zuccarini in Abb. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 196 (Fl. Jap. Fam. Nat. 1: 88) (1845).
- Cissus Thunbergii* Siebold & Zuccarini in op. cit. 195 (87) (1845).
- Vitis inconstans* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 91 (1863).
- Ampelopsis Roylei* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 152 (1864).
- Ampelopsis japonica* Veitch ex Gard. Chron. 1868: 1118 (1868), nom. — Hort. ex Harding in Gard. Monthly, 25: 156 (1883), nom.
- Quinaria tricuspidata* Koehne, Deutsche Dendr. 383 (1893).
- Psedera tricuspidata* Rehder in Rhodora, 10: 29 (1908).
- Vitis Taquetii* Léveillé in Bull. Acad. Intern. Géog. Bot. 20: 11 (1910).
- Ampelopsis inconstans* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 5: 2479 (1916), pro syn.
- Ampelopsis Hoggii* Hort. ex Rehder, l. c. (1916), pro syn.
- Ampelopsis Veitchii* var. *robusta* Hort. ex Rehder, l. c. (1916), pro syn.
- Psedera Thunbergii* (Sieb. & Zucc.) Nakai, Fl. Sylv. Kor. 12: 11, t. 1 (1922).
- P. tricuspidata** f. **Veitchii** (Carr.), grad. nov.
- Ampelopsis Veitchii* Anon. in Gard. Chron. 1868: 1118 (1868), nom. — Lynch in Gard. Chron. ser. 2, 14: 664, fig. 126 (1880).
- Cissus Veitchii* Carrière in Rev. Hort. 1877: 176, fig. 32 (1877).
- Quinaria Veitchii* Koehne, Deutsche Dendr. 399 (1893).
- Parthenocissus Veitchii* Graebner in Gartenfl. 49: 249 (1900).
- Ampelopsis tricuspidata* f. *Veitchii* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 331 (1903).
- Vitis Veitchii* Hort. ex Schneider, Ill. Handb. Laubh. 2: 315 (1909), pro syn.
- Parthenocissus tricuspidata* var. *Veitchii* Rehder in Bailey, Stand. Cycl. Hort. 5: 2479 (1916).
- P. tricuspidata** f. **purpurea** (Gartenfl.), grad. nov.
- Ampelopsis Veitchii purpurea* N. in Gartenfl. 38: 438 (1889).
- Ampelopsis tricuspidata* (f.) *purpurea* Rehder in Möller's Deutsch. Gärtn.-Zeit. 10: 440 (1895).
- Ampelopsis tricuspidata* f. *Veitchii purpurea* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 331 (1903).
- Ampelopsis Veitchii atropurpurea* hort. ex Schelle, l. c. (1903), pro syn.
- P. tricuspidata** f. **Lowi** (Low), grad. nov.
- Ampelopsis Lowi* Low & Co. ex H. P. in Garden, 71: 516, fig. (1907). — Cook in Rev. Hort. Belg. 33: 388, t. (1907).
- Vitis inconstans* var. *Lowi* Bean, Trees Shrubs Brit. Isl. 2: 672 (1914).
- Parthenocissus tricuspidata* var. *Lowii* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 223 [1916].
- Ampelopsis Veitchii* var. *Lowii* Mottet in Rev. Hort. n. sér. 15: 272, fig. (1917).
- P. himalayana** (Royle) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 450 (1887).
- Ampelopsis himalayana* Royle, Ill. Bot. Himal. 1: 149 [1835].

**Parthenocissus himalayana** (continued)

*Cissus* (*Ampelopsis*) *himalayana* Walpers, Repert. Bot. Syst. 1: 441 (1842).

*Vitis himalayana* Brandis, For. Fl. Brit. Ind. 100 (1874). — M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 655 (1875).

*Vitis semicordata* β. *himalayana* Hance in Jour. Bot. 16: 9 (1878).

*Quinaria himalayana* Gilg in Nat. Pflanzenfam. III. 5: 448 (1896).

*Psedera himalayana* Schneider, Ill. Handb. Laubh. 2: 313, fig. 211k (1909).

**P. himalayana** var. *rubrifolia* (Lévl. & Vant.) Gagnepain in Sargent, Pl. Wilson. 1: 101 (1911), exclud. syn. Diels & Gilg.

*Vitis rubrifolia* Léveillé & Vaniot in Bull. Soc. Agric. Sci. Sarthe, 60: 44 (1905); in Repert. Sp. Nov. Reg. Veg. 2: 160 (1906).

**P. semicordata** (Wall.) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 451 (1887).

*Vitis semicordata* Wallich in Roxburgh, Fl. Ind. 2: 481 (1824).

*Vitis himalayana* var. *semicordata* M. A. Lawson, Fl. Brit. Ind. 1: 656 (1875).

**TETRASTIGMA** (Miq.) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 423 (1887).

*Vitis* sect. *Tetragigma* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 72 (1863).

LECTOTYPUS: *Cissus serrulata* Roxb. = *T. serrulatum* (Roxb.) Planch.

**T. obtectum** (M. A. Laws.) Planchon in op. cit. 434 (1887). — Gagnepain in Notul. Syst. Mus. Hist. Nat. Paris, 1: 323 (1911).

*Vitis obtecta* Wallich ex M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 657 (1875).

**T. obtectum** var. *pilosum* Gagnepain, l. c. (1911).

**T. serrulatum** (Roxb.) Planchon in A. & C. de Candolle, Monog. Phaner. 5: 432 (1887).

*Cissus serrulata* Roxburgh, Fl. Ind. 1: 432 (1820).

*Cissus nepaulensis* De Candolle, Prodr. 1: 632 (1824).

*Vitis capreolata* D. Don, Prodr. Fl. Nepal. 188 (1825) "*capriolata*." — M. A. Lawson in Hooker f., Fl. Brit. Ind. 1: 659 (1875).

*Cissus glabrata* Blume, Bijdr. Fl. Nederl. Ind. 189 (1825).

*Vitis hederacea* Wallich, Num. List, no. 6019 [1832], nom.; non Ehrhart (1791).

*Vitis* (*Cissus*) *capreolata* Royle, Ill. Bot. Himal. 149, t. 26, fig. 2 [1835], "*Cissus capreolata*" in tab.

*Vitis serrulata* Wallich ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 77 (1863).

**CAYRATIA** Jussieu ex Guillemain in Dict. Class. Hist. Nat. 4: 346 (1823), nom. event. sub *Columella*. — Gagnepain in Notul. Syst. Mus. Hist. Nat. Paris, 1: 343 (1911). — NOM. CONSERV. cf. Internat. Rules Bot. Nomencl. ed. 3, 135, no. 4918 (1935); Kew Bull. 1940: 112 (1940).

*Columella* Loureiro, Fl. Cochinch. 1: 86 (1790), non *Columellia* Ruiz & Pavon (1794).

*Lagenula* Loureiro, op. cit. 88 (1790).

*Fusanus* Sprengel, Syst. Veg. 1: 490 (1825), p. p. quoad "*F. pedatus*"; non Murray (1774).

*Causonis* Rafinesque, Med. Fl. 2: 122 (1830); Sylva Tellur. 87 (1838) "*Causonia*."

*Pedastis* Rafinesque, l. c. (1838).

*Cissus* sect. *Cayratia* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 471 (1887).

TYPE: *Columella pedata* Lour. = *Cayratia pedata* (Lam.) Gagnep.

**C. oligocarpa** (Lévl. & Vant.) Gagnepain in Notul. Syst. Mus. Hist. Nat. Paris, 1: 348, 359 (1911).

*Vitis oligocarpa* Léveillé & Vaniot in Bull. Soc. Agric. Sci. Sarthe, 60: 41 (1905); in Repert. Sp. Nov. Reg. Veg. 2: 159 (1906).

*Cissus oligocarpa* Bailey, Stand. Cycl. Hort. 2: 775 (1914); 6: 3574 (1917).

*Columella oligocarpa* Rehder in Jour. Arnold Arb. 2: 177 (1921).

**C. japonica** (Thunb.) Gagnepain in Notul. Syst. Mus. Hist. Nat. Paris, 1: 349 (1911).

*Vitis japonica* Thunberg, Fl. Jap. 104 (1794).

*Cissus japonica* Willdenow, Sp. Pl. 1: 659 [1798]. — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 561 (1887).

*Cissus leucocarpa* Blume, Bijdr. Fl. Nederl. Ind. 189 (1825).

*Causonia japonica* Rafinesque, Sylva Tellur. 87 (1838).

*Cissus viticifolia* a. Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 196 (Fl. Jap. Fam. Nat. 1: 88) (1845).

*Cissus cyanocarpa* Miquel, Fl. Nederl. Ind. 1, 2: 603 (1859).

*Causonis japonica* Rafinesque ex B. D. Jackson in Index Kew. 1: 463 [1893], pro syn.

*Columella japonica* (Thunb.) Merrill in Philipp. Jour. Sci. Bot. 13: 145 (1918).

**CISSUS** Linnaeus, Sp. Pl. 117 (1753). — Planchon in A. & C. de Candolle, Monog. Phaner. 5: 470 (1887).

*Irsiola* P. Browne, Civ. Nat. Hist. Jamaica, 47, t. 4, fig. 1, 2 (1756). — Adanson, Fam. Pl. 408 (1763).

*Saelanthus* Forskål, Fl. Aegypt.-Arab. 34 (1775).

*Ingenhoussia* Dennstedt, Schlüssel Hort. Ind. Mal. 33, no. 48 (1818), nom.

*Sphondylanthus* Presl, Reliq. Haenk. 2: 35, t. 53 (1834).

*Kemoxis* Rafinesque, Sylva Tellur. 86 (1838).

*Gonoloma* Rafinesque, l. c. (1838).

*Rinxostylis* Rafinesque, op. cit. 87 (1838).

*Adenopetalum Turczaninow* in Bull. Soc. Nat. Moscou, 21, 2: 416 (1858).

*Cissus* sect. *Eucissus* Planchon in A. & C. de Candolle, Monog. Phaner. 5: 471 (1887).

LECTOTYPUS: *Cissus vitiginea* L.

**C. incisa** Des Moulins in El. Durand in Act. Soc. Linn. Bordeaux, 24: 169 (Vignes Nord-Amér. 59) (1862).

*Vitis incisa* Nuttall ex Torrey & Gray, Fl. N. Am. 1: 243 (1838), non Jacquin (1804).

*Cissus acida* Chapman, Fl. S. U. S. 70 (1860), non Linnaeus (1753).

*Cissus Rocheana* Planchon in Vigne Amér. 5: 230, 102, 132 (1881, Aug.); in Compt. Rend. Acad. Sci. Paris, 93: 369 (1881); exclud. loco natal.

**Fam. TILIACEAE**

**TILIACEAE** Jussieu, Gen. Pl. 289 (1789), exclud. gen. nonnull. — Bentham & Hooker f., Gen. Pl. 1: 228 (1862). — Schumann in Nat. Pflanzenfam. III. 6: 8 (1890).

*Tiliaceae* l. *Tiliariae* Reichenbach, Handb. Nat. Pflanzen-syst. 303 (1837).

*Sparmanniaceae* Agardh, Theor. Syst. Pl. 260 (1858).

- TILIA** Linnaeus, Sp. Pl. 1: 514 (1753); Gen. Pl. ed. 5, 230, no. 587 (1754). — Bentham & Hooker f., Gen. Pl. 1: 236 (1862). — V. Engler, Monog. Tilia, 159 pp. (1909). — Schmucker in Silvae Orbis, 5: maps 187–192 (1942).
- Tilia* a. *Tilia* Reichenbach, Consp. Reg. Veg. 209 (1828), nom.
- Tilia* b. *Lindnera* Reichenbach, l. c. (1828), nom.
- Lindnera* A. B. Reichenbach, Handb. Nat. Pflanzensyst. 303 (1837), nom.
- Tilia* subgen. *Nepara* et subgen. *Filura* Rafinesque, Alsogr. Am. 44 (1838).
- Tilia* abt. *Eutilia* Schelle in Beissner et al., Handb. Laubh.-Ben. 339 (1903), nom. subnud.
- LECTOTYPUS: *T. europaea* L., p. p.; *T. cordata* Mill.; cf. Lindman, Svensk. Fanerogamfl. 407 (1918) et Intern. Rul. Bot. Nomencl. special ed. 118 (1947).
- T. platyphyllos** Scopoli, Fl. Carniol. 1: 373 (1772). — K. Koch, Hort. Dendr. 50 (1853). — V. Engler, Monog. Tilia, 90 (1909).
- Tilia europaea* Linnaeus, Sp. Pl. 514 (1753), p. p. quoad  $\beta$ .
- Tilia officinarum* Crantz, Stirp. Austr. 2: 96 (1762), p. p.
- Tilia europaea* a. *communis* Aiton, Hort. Kew. 2: 229 (1789).
- Tilia grandifolia* Ehrhart, Beitr. Naturk. 5: 158 (1790); 7: 53 (1792), nom. — K. Koch, Fl. Germ. Helv. 132 (1837).
- Tilia stipulata* Gilibert, Exerc. Phytol. (Suppl. Pl. Eur.) 2: 329 (1790).
- Tilia cordifolia* Besser, Prim. Fl. Galic. 1: 343 (1809).
- Tilia barbata* a. *hirsutula* Stokes, Bot. Mat. Med. 3: 202 (1812).
- Tilia pauciflora* Hayne, Getr. Darst. Arzneik. Gew. 3: t. 48 (1913).
- Tilia triflora* Puerari ex Hornemann, Hort. Reg. Bot. Hafn. 2: 493 (1815).
- Tilia pilosa* Berchtold & Presl, Příroz. Rostlin, 2: 240, t. 39 (1825).
- Tilia affinis* Opiz, Naturalientausch, 11: 461 (1826).
- Tilia obliqua* Opiz, op. cit. 462 (1826).
- Tilia communis*  $\gamma$ . *T. grandifolia* Schimper & Spenner in Spenner, Fl. Friburg. 3: 878 (1829).
- Tilia mutabilis* Host, Fl. Austr. 2: 60 (1831).
- Tilia mollis* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 336 (1834), p. p.
- Tilia macropoda* Courtois in Mém. Acad. Sci. Belg. 9: 10, t. 1, fig. 2 (Mém. Tilleuls Eur.) (1835).
- Tilia platyptera* Courtois in op. cit. 11, t. 1, fig. 3 (1835).
- Tilia grandiflora* Sadler, Fl. Com. Pesth. ed. 2, 217 (1840), sphalm.; in ed. 1, 2: 26 (1826) rite *T. grandifolia*.
- Tilia sphaerocarpa* Reichenbach, Fl. Saxon. 447 (1842).
- Tilia platyphylla* a. *sphaerocarpa* et  $\gamma$ . *oxycarpa* Reichenbach, Icon. Fl. Germ. 6: 58, t. 316 et 317 (1844).
- Tilia hirsuta* Presl, Wseob. Rostlin. 1: 168 (1846).
- Tilia platyphyllos* a. *genuina* Godron, Fl. Lorraine, ed. 2, 1: 138 (1861).
- Tilia hollandica* Schrader ex Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 27 (1862).
- Tilia macrophylla* sensu Bayer in op. cit. 44 (1862), non Mérat (1821).
- Tilia bohémica* Ortmann ex Nyman, Consp. Fl. Eur. 131 (1878), pro syn.
- Tilia Nickerkii* Opiz ex Nyman, l. c. (1878), pro syn.
- Tilia translucens* Opiz ex Nyman, l. c. (1878), pro syn.
- Tilia platyphyllos* a. *typica* Beck, Fl. Nieder-Öster. 2: 534 (1890).
- Tilia platyphyllos* subsp. a. *eugrandifolia* Schneider, Ill. Handb. Laubh. 2: 376 (1909).
- Tilia platyphyllos* subsp. b. *cordifolia* Schneider, l. c.

(1909, Aug.) — V. Engler, Monog. Tilia, 92 (1909, Oct.) “var. a. c.”

*Tilia platyphyllos* subsp. d. *euplatyphyllos* Schneider, l. c. (1909).

*Tilia platyphyllos*  $\beta$ . *obliqua* V. Engler, Monog. Tilia, 96 (1909).

**T. platyphyllos** f. *laciniata* (Loud.) V. Engler, Monog. Tilia, 98 (1909) “var.  $\beta$ . *obliqua* f. l.” — Hjelmqvist in Fysiogr. Sällsk. Handl. n. ser., 55,7: 43, fig. 15, 16 (1944).

?*Tilia laciniata* Hort. ex Courtois in Mém. Acad. Sci. Belg. 9: 18 (Mém. Tilleuls Eur.) (1835).

*Tilia europaea* var. *laciniata* Loudon, Arb. Brit. 1: 366 (1838).

*Tilia platyphyllos*  $\delta$ . *asplenifolia* hort. ex K. Koch, Hort. Dendr. 51 (1853). — Bean, Trees Shrubs Brit. Isl. 2: 596 (1914) “var.”

*Tilia platyphylla* i. *laciniata* Loud. ex K. Koch, l. c. (1853).

*Tilia grandifolia* var. *laciniata* Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 41 (1862). — Ortmann in Flora, 18,2: 502 (1835) “(f.)” exclud. syn.

*Tilia grandifolia*  $\delta$ . *asplenifolia* Kuntze, Taschen-Fl. Leipzig, 207 (1867).

*Tilia variifolia* Potonié in Monatschr. Ver. Beförd. Gartenb. Preuss. 23: 544, t. 9–12 (1880).

?*Tilia ulmifolia heterophylla* C. de Vos, Handb. Boom. Heest. ed. 2, 201 (1887).

*Tilia platyphyllos filicifolia* hort. ex Dippel, Handb. Laubh. 3: 61 (1893), pro syn.

*Tilia grandifolia* var. *pinnatifida* hort. ex V. Engler, Monog. Tilia, 98 (1909), pro syn.

*Tilia grandifolia filicifolia* Hort. ex Rehder, Man. Cult. Trees Shrubs, 614 (1927), pro syn.

*Tilia platyphyllos* var. *variifolia* Potonié ex Hjelmqvist in Fysiogr. Sällsk. Handl. n. ser., 55,7: 47, fig. 15 (1944).

**T. platyphyllos** var. *rubra* (West.) Rehder in Jour. Arnold Arb. 4: 247 (1923).

*Tilia europaea* 5. *rubra* Weston, Bot. Univ. 1: 298 (1770).

*Tilia europaea*  $\beta$ . *corallina* Aiton, Hort. Kew. 2: 229 (1789).

*Tilia rubra* De Candolle, Cat. Pl. Monspel. 150 (1813); Prodr. 1: 513 (1825), p. p.

*Tilia corallina* Smith in Rees, Cyclop. 25: T. no. 2 (1819). — Bosc in Encycl. Méth. Agric. 7: 748 (Bosc & Baudrilard, Dict. Cult. Arb.) (1821).

*Tilia corinthiaca* Bosc ex De Candolle, Prodr. 1: 513 (1825), pro syn. [Bosc in Nouv. Cours Compl. Agric. 12: 139 (1809) “Tilleul de Corinthe”].

*Tilia rubra* G. Don, Gen. Hist. Dichlam. Pl. 1: 553 (1831), p. p.

*Tilia mollis*  $\eta$ . *corallina* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 338 (1834).

*Tilia grandifolia* e. *rubella* Ortmann in Flora, 18: 502 (1835).

*Tilia platyphyllos* var. *corallina* Hartwig & Rümpler, Bäume & Sträuch. 570 (1875).

*Tilia grandifolia* f. *corallina* C. Koch ex Schelle in Beissner et al., Handb. Laubh.-Ben. 339 (1903).

**T. platyphyllos** f. *aurea* (Loud.), grad. nov.

*Tilia europaea* var. *aurea* Loudon, Arb. Brit. 1: 366 (1838).

*Tilia platyphyllos* 3. *aurea* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 155 (1864). — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1662 (1913) “var.”

*Tilia platyphyllos aurantia* Hort. ex Henry, l. c. (1913), pro syn.

*Tilia grandifolia* 10c. *aurea* Kuntze, Taschen-Fl. Leipzig,

***Tilia platyphyllos* f. *aurea* (continued)**

207 (1867).—Kirchner ex Schelle in Beissner et al., Handb. Laubh.-Ben. 339 (1903) "f."

**T. *platyphyllos* f. *fastigiata* Rehder, Man. Cult. Trees Shrubs, ed. 2, 623 (1940).**

*Tilia platyphyllos* f. *pyramidalis* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 155 (1864), nom.—Rehder in Möller's Deutsch. Gärtn.-Zeit. 13: 161, fig. (1898) "var."—Non Simonkai (1888), nec Schneider (1909).

*Tilia grandifolia* f. *pyramidalis* hort. ex Beissner in Mitt. Deutsch. Dendr. Ges. 1905(14): 210, fig. (1905), non Kuntze (1867) vel tantum p. p.

**T. *platyphyllos* var. *vitifolia* (Host) Simonkai in Matem. Természett. Közlem. 22: 333 (Rev. Tiliarum) (1888) "c. v."—Schneider, Ill. Handb. Laubh. 2: 377, fig. 253e-f (1909) "subsp. *euplatyphyllos* var. v."—V. Engler, Monog. Tilia, 95 (1909, Oct.) "var. a. *cordifolia* f. v."**

*Tilia vitifolia* Host, Fl. Austr. 2: 59 (1831).

*Tilia bicuspidata* Courtois in Mém. Acad. Sci. Belg. 9: 13, t. 13, fig. 1 (Mém. Tilleuls Eur.) (1835).

*Tilia corallina* var. *subangulata* Borbas in Oester. Bot. Zeitschr. 37: 147 (1887).

**T. *flaccida* [T. *americana* × *platyphyllos*] Host ex Endlicher, Cat. Hort. Vindob. 2: 363 (1843), nom.—Schneider, Ill. Handb. Laubh. 2: 379, fig. 256e-f (1909).**

*Tilia nigro-mollis* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 336 (1834).

*Tilia praecox* A. Braun ex Döll, Rhein. Fl. 673 (1843).—Schneider, op. cit. 379, fig. 254a-b (1909).—Non Host (1831).

*Tilia carlsruhensis* Simonkai in Matem. Természett. Közlem. 22: 332 (Rev. Tiliarum) (1888).

*Tilia americana* × *platyphylla*: f. *neglecta* (Spach) et f. *notha* V. Engler, Monog. Tilia, 156 (1909).

**T. *dasystyla* Steven in Bull. Soc. Nat. Moscou, 4: 260 (1831).**

*Tilia rubra* Steven in op. cit. 261 (1831).—Medvedev in Viestn. Tiflis. Bot. Sad. 23: 11 (1912).—Non De Candolle (1813).

*Tilia multiflora* Ledebour, Fl. Ross. 1: 442 (1842).—Medvedev in op. cit. 10 (1912).

*Tilia begoniaefolia* Steven in Bull. Soc. Nat. Moscou, 29, 1: 326 (1856).

*Tilia caucasica* Ruprecht, Fl. Caucas. 153 (1869).

*Tilia rubra* var. a. *typica* Schneider, Ill. Handb. Laubh. 2: 379, fig. 254c-d (1909, Aug.).—V. Engler, Monog. Tilia, 107 (1909, Oct.) "subsp. *caucasica* var. a. t."

*Tilia rubra* var. b. *begoniaefolia* Schneider, l. c. 254e-f (1909).—V. Engler, l. c. (1909) "subsp. *caucasica* var. a. *typica* f. b."

*Tilia rubra* var. c. *dasystyla* Schneider, l. c. (1909).—V. Engler, op. cit. 108 (1909) "subsp. *caucasica* var. a. *typica* f. d."

*Tilia rubra* var. d. *multiflora* Schneider, l. c. (1909).—V. Engler, op. cit. 108 (1909) "subsp. *caucasica* var. a. *typica* f. m."

**T. *euchlora* [? T. *cordata* × *dasystyla*] K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 9: 284 (1866); Dendr. 1: 473 (1869).—Wagner in Magyar Bot. Lapok, 24: 91 (1925).**

*Tilia europaea* var. 8. *dasystyla* Loudon, Arb. Brit. 1: 366 (1838), p. p.; non T. *dasystyla* Stev. (1832).

*Tilia dasystyla* sensu Kirchner in Petzold & Kirchner, Arb. Muscav. 153 (1864), p. p.; non Steven (1832).

*Tilia multiflora* sensu Simonkai in Matem. Természett. Közlem. 22: 328 (1888), non Ledebour (1842).

*Tilia rubra* var. *euchlora* Dippel, Handb. Laubh. 3: 63 (1893).

**T. *europaea* [T. *cordata* × *platyphyllos*] Linnaeus, Sp. Pl. 514 (1753), exclud. var. β-γ.**

*Tilia officinarum* Crantz, Stirp. Austr. 2: 96 (1769), p. p.

*Tilia laeta* Salisbury, Prodr. Stirp. Chap. Allert. 367 (1796).

*Tilia hybrida* Bechstein, Forstbot. 163, t. 4 (1810).

*Tilia vulgaris* Hayne, Getr. Darst. Beschr. Arzneyk. Gew. 3: t. 47 (1813), p. p.

*Tilia intermedia* De Candolle, Prodr. 1: 513 (1824).—Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 335 (1834).—Non Palmstruch & Venus (1802).

*Tilia communis* β. T. *intermedia* Schimper & Spenner in Spenner, Fl. Friburg. 3: 878 (1829).

*Tilia hollandica* Cat. hort. Schwetzing. ex Spenner, Fl. Friburg. 3: 878 (1829), pro syn.—[Hort. ex Lorberg in Wochenschr. Ver. Beförd. Gartenb. Preuss. 10: 361 (1867) "Holländische Linde."—K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 10: 362 (1867), pro syn.—] Schneider, Ill. Handb. Laubh. 2: 374 (1909), pro syn.

*Tilia parvifolia* β. *intermedia* Koch, Fl. Germ. Helv. ed. 2, 1: 145 (1843).

*Tilia europaea* var. *vulgaris* Hartig, Vollst. Naturg. Forstl. Nutzpfl. 522 (1851).

*Tilia intermedia* a. *europaea* Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 27 (1862).

*Tilia corinthiaca* Bosc ex Koehne, Deutsche Dendr. 409 (1893), p. p.

*Tilia cordata* × *platyphyllos* V. Engler, Monog. Tilia, 144 (1909).

**T. *europaea* var. *pallida* (Reichenb.) Rehder, Man. Cult. Trees Shrubs, ed. 2, 624 (1940).**

*Tilia (europaea) pallida* Wierzbicki ex Reichenbach, Icon. Fl. Germ. 6: 58, t. 315 (1844); non Salisbury (1796).

*Tilia subparvifolia* Borbas in Oester. Bot. Zeitschr. 37: 297 (1887).

*Tilia pallida* Simonkai in Matem. Természett. Közlem. 22: 344 (1888); non Salisbury (1796).

*Tilia cordata* var. *major* × *rubra* V. Engler, Monog. Tilia, 145 (1909).

*Tilia vulgaris* var. *pallida* Sargent ex Rehder, Man. Cult. Trees Shrubs, 614 (1927).

**T. *europaea* f. *pendula* Rehder, Man. Cult. Trees Shrubs, ed. 2, 624 (1940).**

*Tilia Beaumontia pendula* hort. ex Schneider, Ill. Handb. Laubh. 2: 374 (1909), pro syn.

**T. *cordata* Miller, Gard. Dict. ed. 8, T. no. 1 (1768).—Borkhausen in Rhein. Mag. Erweit. Naturk. 1: 426 (1793).—Baker in Jour. Bot. 36: 318 (1898).—V. Engler, Monog. Tilia, 74 (1909), cum syn. multis.—Hylander in Uppsala Univ. Årsskr. 1945, 7: 237 (Nomenkl. Syst. Stud.) (1945).**

*Tilia europaea* Linnaeus, Sp. Pl. 514 (1753), p. p. quoad syn. nonn.

*Tilia officinarum* Crantz, Stirp. Austr. 2: 96 (1762), p. p.

*Tilia ulmifolia* Scopoli, Fl. Carniol. 1: 374 (1772).

*Tilia europaea* γ. *parviflora* Aiton, Hort. Kew. 2: 229 (1789), sphalm. pro *parvifolia*.

*Tilia parvifolia* Ehrhart, Beitr. Naturk. 5: 159 (1790); 7: 53 (1792), nom.—Hayne, Getr. Darst. Beschr. Arzneyk. Gew. 3: t. 46 (1813).

*Tilia stipulata* Gilibert, Exerc. Phytol. 1: 329 (1792).

- Tilia intermedia* Palmstruch & Venus, Svensk. Bot. 1: 40 (1802). — De Candolle, Prodr. 1: 513 (1824).
- Tilia microphylla* Ventenat in Mém. Acad. Sci. Paris, 4: 5, t. 1 (Monog. Tilleul) (1803).
- Tilia sylvestris* Desfontaines, Tabl. Éc. Bot. Mus. Hist. Nat. 152 (1804), nom.
- Tilia barbata*  $\beta$ . *parvifolia* Stokes, Bot. Mat. Med. 3: 202 (1812).
- Tilia europaea* l. *borealis* Wahlenberg, Fl. Upsal. 181 (1820).
- Tilia communis* a. *T. parvifolia* Schimper & Spenner in Spenner, Fl. Friburg. 3: 877 (1829).
- Tilia sylvestris* a. *ovalifolia* sive *minor* Spach in Ann. Sci. Nat. Bot. ser. 2, 2: 334 (1834).
- Tilia sylvestris*  $\beta$ . *cordifolia* sive *major* Spach, l. c. (1834).
- Tilia europaea* var. 2. *microphylla* Loudon, Arb. Brit. 1: 364 (1838).
- Tilia parviflora* Sadler, Fl. Com. Pest. ed. 2, 218 (1840), sphalm.; in ed. 1, 2: 48 (1826) rite *T. parvifolia*.
- Tilia parvifolia* a. *polyantha* Bogenhard, Taschenb. Fl. Jena, 176 (1850).
- Tilia floribunda* Fronius, Fl. Schässb. 24 (1858), non A. Braun (1843).
- Tilia septentrionalis* Ruprecht, Fl. Ingr. 1: 219 (1860).
- Tilia bohemica* Ruprecht, Fl. Caucas. 255, 299 (1861).
- Tilia hollandica* Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 27, 30 (1862), non hort. (1829), pro syn.
- Tilia cordata* var. a. *major* (Spach) V. Engler, Monog. Tilia, 77 (1909).
- T. cordata** f. *pyramidalis* (Wittmack), grad. nov.
- Tilia cordata* var. *pyramidalis* Wittmack in Gartenfl. 45: 180, fig. 38 (1896).
- Tilia parvifolia* f. *columnaris* Schwerin in Mitt. Deutsch. Dendr. Ges. 1916(25): 238, 359 [1917].
- T. flavescens** [*T. americana*  $\times$  *cordata*] A. Braun ex Döll, Rhein. Fl. 672 (1843). — Schneider, Ill. Handb. Laubh. 2: 374, fig. 252p-q (1909).
- Tilia floribunda* A. Braun ex Döll, l. c. (1843).
- Tilia Spaethii* Schneider in Silva Tarouca & Schneider, Uns. Freil.-Laubgeh. ed. 2, 409 (1922), nom. subnud.
- T. amurensis** Ruprecht, Fl. Caucas. 253 (1869). — V. Engler, Monog. Tilia, 84 (1909). — Nakai, Fl. Sylv. Kor. 12: 38, t. 7 (1922).
- Tilia cordata* sensu Maximowicz in Bull. Cl. Phys.-Math. Acad. Sci. St. Pétersb. 14: 261 (1857), p. p.; non Miller (1768).
- Tilia cordata* var. *mandshurica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 432 (in Mém. Biol. 10: 585) (1880).
- Tilia Maximowiczii* Baker in Jour. Bot. 36: 319 (1898).
- T. japonica** (Miq.) Simonkai in Matem. Termeszt. Közlem. 22: 326 (1888). — V. Engler, Monog. Tilia, 88 (1909).
- Tilia cordata* var. *Japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 18 (Prol. Fl. Jap. 207) (1867).
- Tilia ulmifolia* var. *japonica* Sargent ex Mayr, Fremdl. Wald- & Parkbäume 520 (1906).
- T. insularis** Nakai in Bot. Mag. Tokyo, 31: 27 (1917); Fl. Sylv. Kor. 12: 43, t. 10 (1922).
- T. paucicostata** Maximowicz in Act. Hort. Petrop. 11: 82 (1890). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 363 (1915). — Hu & Chun, Icon. Pl. Sin. 4: 31, t. 181 (1935).
- Tilia Miqueliana* var. *chinensis* Diels in Bot. Jahrb. 36, Beibl. 82: 75 (1905), non Szyszylowicz (1890).
- T. kiusiana** Makino & Shirasawa in Bull. Coll. Agric. Tokyo, 4: 155, t. 17 (1900). — V. Engler, Monog. Tilia, 88 (1909).
- T. mongolica** Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 443 (in Mém. Biol. 10: 585) (1880); Enum. Pl. Mongol. 118, t. 11 (1889). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 369 (1915).
- T. americana** Linnaeus, Sp. Pl. 543 (1753), p. p. — Sargent, Silva N. Am. 1: 52, t. 24, 25 (1891). — V. Engler, Monog. Tilia, 136 (1909).
- ?*Tilia Virginica* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 33 [1782], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 52 (1783), nom. subnud.
- Tilia latifolia* Salisbury, Prodr. Stirp. Chap. Allert. 367 (1796).
- Tilia glabra* Ventenat in Anal. Hist. Nat. Madrid, 2: 62 (1800); in Mém. Inst. Nat. Sci. France, 4: 9, t. 2 (Monog. Tilleul) (1803). — Sargent, Man. Trees N. Am. ed. 2, 733, fig. 659 (1922).
- Tilia canadensis* Michaux, Fl. Bor.-Am. 1: 306 (1803).
- Tilia nigra* Borkhausen, Theor.-Prakt. Handb. Forstbot. 2: 1219 (1803).
- ?*Tilia stenopetala* Rafinesque, Fl. Ludovic. 92 (1817).
- ?*Tilia macrophylla* Méral, Nouv. Fl. Envir. Paris, ed. 3, 2: 451 (1821).
- Tilia communis*  $\delta$ . *T. glabra* Schimper & Spenner in Spenner, Fl. Friburg. 3: 879 (1829).
- Tilia mississippiensis* Bosc ex Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 340 (1834).
- Tilia nigra* a. *densiflora* Spach, l. c. (1834).
- Tilia nigra* var. *glauca* A. Braun ex Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 53 (1862).
- Tilia glauca* Schweinitz ex Bayer, l. c. (1862), pro syn.
- Tilia peduncularis* Delile ex Bayer in op. cit. 55 (1862).
- Tilia laxiflora* Hentze in Ber. Ver. Naturk. Cassel, 15: 4, t. 1 (1867), non Michaux (1803).
- Tilia leptophylla* Simonkai in Matem. Termeszt. Közlem. 22: 323 (1888).
- Tilia americana* var. a. *densiflora* V. Engler, Monog. Tilia, 137 (1909).
- T. americana** f. *macrophylla* (Bayer) V. Engler, op. cit. 139 (1909).
- Tilia nigra* var. *macrophylla* herb. Fischer ex Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 53 (1862).
- Tilia americana* 3. *laxiflora* Kirchner in Petzold & Kirchner, Arb. Muscav. 195 (1864).
- Tilia macrophylla* hort. ex V. Engler, Monog. Tilia, 139 (1909), pro syn.; non Méral (1821), nec Kirchner (1864).
- Tilia mississippiensis* hort. ex Rehder in Bailey, Stand. Cycl. Hort. 6: 3347 (1917), pro syn.; non Bosc ex Spach (1834).
- Tilia glabra* var. *macrophylla* Schneider in Silva Tarouca & Schneider, Uns. Freil. Laubgeh. ed. 2, 409 (1922). — Rehder in Jour. Arnold Arb. 7: 32 (1936) "f."
- Tilia laxiflora* Hort. ex Rehder, Man. Cult. Trees Shrubs, 616 (1927), p. p.; pro syn.
- T. americana** f. *dentata* (Kirchn.) Rehder in Jour. Arnold Arb. 20: 421 (1939).
- Tilia longifolia dentata* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 160 (1864).
- Tilia nigra* 2b. *incisa* Kuntze, Taschen-Fl. Leipzig, 210 (1867).
- Tilia americana* var. a. *densiflora* f. *megalodonta* V. Engler, Monog. Tilia, 139 (1909).



**Tilia americana f. dentata** (*continued*)

*Tilia incisa-dentata* Hort. p. p. ex V. Engler, l. c. (1909), pro syn.

*Tilia glabra* f. *dentata* Rehder in Jour. Arnold Arb. 7: 32 (1926).

**T. americana f. ampelophylla** V. Engler, Monog. Tilia, 140 (1909) "var. *a. densiflora* f. *a.*"

?*Tilia macrophylla* Méral, Nouv. Fl. Envir. Paris, ed. 3, 2: 552 (1821).

*Tilia longidentata* hort. ex V. Engler, l. c. (1909), p. p.; pro syn.

*Tilia longifolia dentata* hort. ex V. Engler, l. c. (1909), p. p.; pro syn.; non Kirchner (1864).

*Tilia inciso-dentata* hort. ex V. Engler, l. c. (1909), p. p.; pro syn.

*Tilia nigro-longifolia dentata* Hort. ex Engler, l. c. (1909), p. p.; pro syn.

*Tilia glabra* f. *ampelophylla* Rehder in Jour. Arnold Arb. 7: 32 (1926).

**T. americana f. fastigiata** (Slavin) Rehder in Jour. Arnold Arb. 20: 421 (1939). — Wyman in Am. Nurseryman, 83, 12: 8, fig. (p. 9) (1946) "*T. a. f.*"

*Tilia glabra* f. *fastigiata* Slavin in Am. Midland Nat. 12: 224 (1931).

**T. floridana** Small, Fl. Southeast. U. S. 761, 1335 (1903).

?*Tilia caroliniana* var. *β. floridana* (Small) V. Engler, Monog. Tilia, 132 (1909).

**T. Moltkei** [*T. americana* × *petiolaris*] Späth, Cat. (1883) ex Schneider, Ill. Handb. Laubh. 2: 381, fig. 256g (1909).

*Tilia platyphyllos?* *Blechniana* Dieck, Haupt-Cat. Zösch, 80 (1885), nom.

*Tilia spectabilis* Dippel, Handb. Laubh. 3: 73 (1893) "*T. americana* × *alba*."

*Tilia Blechniana* Arb. Zösch. ex Dippel, l. c. (1893), pro syn.

*Tilia alba spectabilis* Cat. Froebel ex Dippel, l. c. (1893), pro syn.

*Tilia pubescens* × *petiolaris* ? Schneider, Ill. Handb. Laubh. 2: 384 (1909).

*Tilia americana* × *tomentosa* V. Engler, Monog. Tilia, 150 (1909).

*Tilia spectabilis* var. *Moltkei* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 224 [1916].

**T. neglecta** Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 340, t. 15 (1834). — Sargent in Bot. Gaz. 66: 494 (1918).

?*Tilia nigra* b. *vestita* A. Braun in Döll, Rhein. Fl. 674 (1843).

*Tilia stellata* Hartig, Vollst. Naturgesch. Forstl. Culturpfl. Deutschl. 551 (1851).

*Tilia pubescens* sensu S. Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 71 (1860). — Sargent, Silva N. Am. 1: 55 (1891), p. p. — Non Aiton (1789) = *T. caroliniana* Mill.

*Tilia americana* b. *pubescens* Dippel, Handb. Laubh. 3: 65 (1893).

*Tilia Michauxii* sensu Sargent, Man. Trees N. Am. 673, fig. 549 (1905), non Nuttall (1842).

*Tilia americana* var. *β. vestita* (A. Br.) V. Engler, Monog. Tilia, 141 (1909).

*Tilia americana* × *platyphyllos*: f. *neglecta* (Spach) Engler, op. cit. 156 (1909).

*Tilia glabra* var. *neglecta* Bush in Bull. Torrey Bot. Club, 54: 238 (1927).

**T. caroliniana** Miller, Gard. Dict. ed. 8, T. no. 4 (1768). — Sargent in Bot. Gaz. 66: 496 (1918); Man. Trees N. Am. ed. 2, 740, fig. 666 [1921].

*Tilia pubescens* Aiton, Hort. Kew. 2: 229 (1789). — Ventenat in Anal. Hist. Nat. Madrid, 2: 63 (1800); in Mém. Inst. Nat. Sci. France, 4: 10, t. 3 (Monog. Tilleul) (1803). — Elliott, Sketch Bot. S. Car. 2: 3 (1824).

*Tilia multiflora* Hort. ex Ventenat in op. cit. 64 (1800), pro syn.

*Tilia pubescens* var. *leptophylla* Ventenat in op. cit. 64 (1800).

*Tilia leptophylla* Small, Fl. Southeast. St. ed. 2, 762, 1335 (1903), p. p. 1871.

**T. heterophylla** Ventenat in Anal. Hist. Nat. Madrid, 2: 63 (1800); in Mém. Inst. Nat. Sci. France, 4: 16, t. 5 (Monog. Tilleul) (1803). — Sargent in Bot. Gaz. 66: 504 (1918); Man. Trees N. Am. ed. 2, 745 fig. 671 (1922).

?*Tilia Caroliniensis* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 33 [1782], nom. subnud.

?*Tilia Caroliniana* sensu C. F. Ludwig, Neu. Wilde Baumz. 52 (1783), nom. subnud.; non Miller (1768).

*Tilia communis* η. *T. heterophylla* Schimper & Spenner in Spenner, Fl. Friburg. 3: 881 (1829).

**T. heterophylla** var. **Michauxii** (Nutt.) Sargent in Bot. Gaz. 66: 506 (1918); Man. Trees N. Am. ed. 2, 746, fig. 672 (1922).

*Tilia alba* Michaux f., Hist. Arb. Am. 3: 315, t. 2 (1813), non Aiton (1789); NOM AMBIG. PROPOS.; cf. Jour. Arnold Arb. 19: 289 (1938).

*Tilia heterophylla* sensu Nuttall, N. Am. Sylva, 1: 90, t. 3 (1842), quoad pl. bor.; non Ventenat (1800).

*Tilia Michauxii* Nuttall, op. cit. 92 (1842). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 513, fig. 2846 (1913), p. p.

*Tilia eburnea* Ashe in Bot. Gaz. 33: 230 (1902).

*Tilia apposita* Ashe in Bull. Charleston Mus. 13: 27 (1917).

*Tilia tenera* Ashe, l. c. (1917).

**T. monticola** Sargent in Bot. Gaz. 66: 508 (1918); Man. Trees N. Am. ed. 2, 747, fig. 673 (1922).

*Tilia heterophylla* sensu Sargent, Silva N. Am. 1: 59, t. 27 (1891), p. p.; Man. Trees N. Am. 674, fig. 550 (1905); non Ventenat (1800).

**T. Oliveri** Szyszyłowicz in Hooker's Icon. Pl. 20: t. 1927, p. [2] (1890). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 366 (1915).

*Tilia mandshurica* sensu Szyszyłowicz, l. c. (1890), non Ruprecht & Maximowicz (1856).

*Tilia pendula* V. Engler ex Schneider, Ill. Handb. Laubh. 2: 387, fig. 259c (1909, Aug.) — V. Engler, Monog. Tilia, 113 (1909, Oct.)

**T. Tuan** Szyszyłowicz in Hooker's Icon. Pl. 20: t. 1926 (1890). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 368 (1915).

*Tilia Tuan* var. *Cavaleriei* V. Engler & Lévillé in Repert. Sp. Nov. Reg. Veg. 6: 266 (1909).

*Tilia Tuan* var. *a. Cavaleriei* f. *divaricata* V. Engler, Monog. Tilia, 124 (1909).

*Tilia Tuan* var. *β. pruinosa* V. Engler, l. c. (1909).

**T. Tuan** var. **chinensis** (Szyszył.) Rehder & Wilson in Sargent, Pl. Wilson. 2: 369 (1915).

*Tilia Miqueliana* var. *chinensis* Szyszyłowicz in Hooker's Icon. Pl. 20: t. 1927, p. [1] (1890).

*Tilia chinensis* sensu Schneider, Ill. Handb. Laubh. 2: 384,

- fig. 2571-m (1909).—V. Engler, Monog. Tilia, 130 (1909).—Non Maximowicz (1890).
- T. Henryana** Szyszyłowicz in Hooker's Icon. Pl. 20: t. 1927 (1890).—V. Engler, Monog. Tilia, 125 (1909).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 367 (1915). *Tilia Henryana* var. *a. fulva* V. Engler, Monog. Tilia, 125 (1909).
- T. tomentosa** Moench, Verz. Ausl. Bäume Weissenst. 137 (1785).—V. Engler, Monog. Tilia, 116 (1909). *Tilia americana* sensu Du Roi, Harbk. Wilde Baumz. 2: 467 (1772), non Linnaeus (1753), nec Miller (1768). *Tilia alba* Aiton, Hort. Kew. 2: 230 (1789), p. p., exclud. patria.—Pott in Du Roi, Harbk. Wilde Baumz. ed. 2, 2: 115, 205 (1800).—NOM. AMBIG. PROPOS.; cf. Jour. Arnold Arb. 19: 289 (1938). *Tilia pallida* Salisbury, Prodr. Stirp. Chap. Allert. 367 (1796). *Tilia rotundifolia* Ventenat in Anal. Hist. Nat. Madrid, 2: 64 (1800); in Mém. Inst. Nat. Sci. France, 4: 12, t. 4 (Monog. Tilleul) (1803). *Tilia argentea* Desfontaines, Cat. Hort. Monspel. 150 (1813). *Tilia communis* f. *T. argentea* Schimper & Spenner in Spenner, Fl. Friburg. 3: 880 (1829). *Lindnera alba* Fuss, Fl. Transsilv. 131 (1866). *Tilia tomentosa* var. *a. typica* Beck, Fl. Nieder-Öster. 2: 533 (1890). *Tilia alba* var. *pyramidalis* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1808 (1902), pro syn. *Tilia tomentosa* var. *argentea* Hort. ex Henry in Elwes & Henry, Trees Gt. Brit. Irel. 7: 1676 (1913).
- T. Juranyana** [*T. cordata* × *tomentosa*] Simonkai in Erdesz. Lapok, 25: 570 (1886) "*T. ulmifolia* × *subtomentosa*". *Tilia argentea* β. *virescens* Spach in Ann. Sci. Nat. Bot. sér. 2, 2: 344 (1834). *Tilia cordata* × *tomentosa* var. *typica* V. Engler, Monog. Tilia, 152 (1909). ?*Tilia cordata* × *tomentosa* var. *petiolaris* V. Engler, l. c. (1909).
- T. petiolaris** De Candolle, Prodr. 1: 514 (1824).—Hooker f. in Bot. Mag. 110: t. 6737 (1884).—Schneider, Ill. Handb. Laubh. 2: 386 (1909). *Tilia alba* var. *petiolaris* Loudon, Arb. Brit. 1: 373 (1838). *Tilia pannonica* Jacquin f. in Reichenbach, Germ. exsicc. ex Bayer in Verh. Zool.-Bot. Ges. Wien, 12: 16 (1862). *Tilia alba* sensu K. Koch, Dendr. 1: 478 (1869), non Aiton (1789). *Tilia tomentosa* 2. *petiolaris* Kirchner in Petzold & Kirchner, Arb. Muscav. 162 (1874).—Schelle in Beissner et al., Handb. Laubh.-Ben. 337 (1903) "f."—V. Engler, Monog. Tilia, 119 (1909) "var. β." *Tilia tomentosa* var. *obliqua* Thümen in Oester. Bot. Zeitschr. 27: 334 (1877). *Tilia tomentosa* d. *pannonica* Borbas in Oester. Bot. Zeitschr. 37: 147 (1887). *Tilia tomentosa* var. *inaequalis* Simonkai in Matem. Természett. Közlem. 22,7: 318 (1888). *Tilia alba* var. *pendula* hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1808 (1902), pro syn. *Tilia argentea* var. *pendula* hort. ex Rehder, l. c. (1902), pro syn. *Tilia tomentosa* (f.) *pendula* Schelle in Beissner et al., Handb. Laubh.-Ben. 337 (1903).
- T. orbicularis** [*T. euchlora* × *petiolaris*] (Carr.) Jouin in Jardin, 12: 360 (1898).—Schneider, Ill. Handb. Laubh. 2: 374, fig. 2521-m (1909); in Garden, 89: 731, fig. (1925). *Tilia argentea orbicularis* Carrière in Rev. Hort. 1890: 397 (1890).
- T. mandshurica** Ruprecht & Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 124 (in Mém. Biol. 2: 413. 1857) (1856).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 370 (1915).—Nakai, Fl. Sylv. Kor. 12: 46, t. 12 (1922); in Jour. Jap. Bot. 19: 367 (1943). *Tilia argentea* Hort. Paris ex Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 216 (in Mém. Biol. 2: 413) (1857).—Bayer in Verh. Zool.-Bot. Ges. Wien, 12 (Abh.): 48 (1862), p. p.—Non Desfontaines (1813). *Tilia pekinensis* Ruprecht ex Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 469 (Prim. Fl. Amur.) (1859), nom. nud.—Bayer in Verh. Zool.-Bot. Ges. Wien, 12 (Abh.): 49, t. 9, fig. 3 (1862). *Tilia argentea* β. *mandshurica* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 7,4,4: 30 (Tent. Fl. Ussur.) (1861). *Tilia mandshurica* var. *pekinensis* (Rupr.) V. Engler ex Schneider, Ill. Handb. Laubh. 2: 384 (1909, Aug.).—V. Engler, Monog. Tilia, 115 (1909, Oct.).
- T. Maximowicziana** Shirasawa in Bull. Coll. Agric. Tokyo, 4: 158, t. 18 (1900).—V. Engler, Monog. Tilia, 127 (1909). *Tilia Miqueliana* sensu Sargent in Gard. & For. 6: 111, fig. 19 (1893), non Maximowicz (1880). *Tilia Miyabei* Jack in Mitt. Deutsch. Dendr. Ges. 1909(18): 285 (1909). *Tilia Maximowicziana* var. *a. Shirasawae* V. Engler, Monog. Tilia, 127 (1909).
- T. intonsa** Wilson in Sargent, Pl. Wilson. 2: 365 (1915).—Hu & Chun, Icon. Pl. Sin. 4: 37, t. 187 (1935). *Tilia tonsura* Veitch, New Hardy Pl. W. China, 1913: 15 (1913), nom.
- T. chinensis** Maximowicz in Act. Hort. Petrop. 11: 83 (1890).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 364 (1915).—Hu & Chun, Icon. Pl. Sin. 4: 36, t. 186 (1935). *Tilia Baroniana* Diels in Bot. Jahrb. 29: 468 (1900).
- T. Miqueliana** Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 434 (in Mém. Biol. 10: 587) (1880).—V. Engler, Monog. Tilia, 111 (1909).—Rehder in Jour. Arnold Arb. 15: 92 (1934). *Tilia mandshurica* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 18 (Prol. Fl. Jap. 206) (1867), non Ruprecht & Maximowicz (1856). *Tilia Kinashii* Léveillé & Vaniot in Bull. Soc. Bot. France, 41: 222 (1904).
- GREWIA** Linnaeus, Sp. Pl. 964 (1753); Gen. Pl. ed. 5, 412, no. 914 (1754).—Bentham & Hooker f., Gen. Pl. 1: 233 (1862). *Chadara* Forskål, Fl. Aegypt.-Arab. 105 (1775). *Mallocoeca* Forster, Char. Gen. Pl. 77, t. 39 (1776). *Charadra* Scopoli, Introd. Hist. Nat. 270 (1777). *Graevia* Necker, Elem. Bot. 253 (1791). *Tridermia* Rafinesque, Sylv. Tellur. 145 (1838). *Typus: G. occidentalis* L.
- G. biloba** G. Don, Gen. Hist. Dichlam. Pl. 1: 549 (1831).—Burret in Notizbl. Bot. Gart. Mus. Berlin, 9: 708 [1926].—Rehder in Jour. Arnold Arb. 15: 92 (1934). *Grewia glabrescens* Benth., Fl. Hongk. 42 (1861). *Grewia parviflora* sensu Diels in Bot. Jahrb. 29: 468 (1900), non Bunge (1833).

**Grewia biloba** (*continued*)

*Grewia Esquirolii* Léveillé, Fl. Kouy-Tchéou, 419 (1915), pro syn.

*Celastrus euonymoidea* Léveillé, l. c. (1915), pro syn.

*Grewia parviflora* var. *glabrescens* Rehder & Wilson in Sargent, Pl. Wilson. 2: 371 (1915).

**G. biloba** var. **parviflora** (Bge.) Handel-Mazzetti, Symb. Sin. 7: 612 (1933).—Rehder in Jour. Arnold Arb. 15: 93 (1934).

*Grewia parviflora* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 83 (Enum. Pl. Shin. Bor. 9. 1833) (1835).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 371 (1915).

*Rubus umbellifer* Léveillé in Repert. Sp. Nov. Reg. Veg. 6: 111 (1908).

*Grewia Chanetii* Léveillé in op. cit. 10: 147 (1911).

*Grewia biloba* sensu Burret in Notizbl. Bot. Gart. Mus. Berlin, 9: 708 (1926), non typus speciei.

**G. oppositifolia** [Buchan.-Hamilton ex Roxburgh, Hort. Bengal. 42 (1814), nom.—] G. Don, Gen. Hist. Dichlam. Pl. 1: 548 (1831).—Roxburgh, Fl. Ind. [ed. 2] 2: 583 (1832).—J. R. Drummond in Jour. Bot. 49: 362 (1911), quoad sp. II.

Fam. **MALVACEAE**

**MALVACEAE** Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 488 (1770), nom. subnud.—Batsch, Dispos. Gen. Pl. Jen. 34 (1786).—Cavanilles, Monadelph. Diss. 5: 267 (1788), sensu lato.—Jussieu, Gen. Pl. 271 (1789).—Schumann in Nat. Pflanzenfam. III. 6: 30 [1890].—Barnhart in Bull. Torrey Bot. Club, 22: 17 (1895).

*Columniferae* Scopoli, Fl. Carniol. 483 (1760, pref. June).  
*Malvaceae* 1. *Malveae* et 3. *Hibisceae* Reichenbach, Handb. Nat. Pflanzensyst. 286, 287 (1837).

**HOHERIA** A. Cunningham in Ann. Mag. Nat. Hist. ser. 1, 3: 319 (1839).—Bentham & Hooker f., Gen. Pl. 1: 202 (1862).

Typus: *H. populnea* A. Cunn.

**H. glabrata** Sprague & Summerhayes in Kew Bull. 1926: 219 (1926).—B. C. Aston in Jour. New Zeal. Inst. Hort. 2: 69, fig. (1930).

*Hoheria Lyallii* var. *β*. Hooker, Fl. Nov. N. Zeal. 1: 31, t. 2, ram. fruct., fig. 5-6 (1852).

*Plagianthus Lyallii* sensu Hooker f. in Bot. Mag. 97: t. 5935 (1871), non Hooker f. (1867).

*Gaya Lyallii* sensu Kirk, Stud. Fl. New Zeal. 72 [1899], exclud. var.; non J. E. Baker (1892).

*Hoheria Lyallii* var. *glabrata* E. H. M. Cox in New Fl. & Silva, 11: 38, fig. 9, 10 (1938).

**HIBISCUS** Linnaeus, Sp. Pl. 693 (1753); Gen. Pl. ed. 5, 310, no. 756 (1754).—Bentham & Hooker f., Gen. Pl. 1: 207 (1862).

*Ketmia* Miller, Gard. Dict. abridg. ed. 4, 2 (1754).—Medicus, Einig. Künstl. Geschl. Malven-Fam. 45 (1767); in Vorles. Kurpfälz. Phys.-ökon. Ges. 4, 1: 240 (1789) "*Kettmia*".

LECTOTYPUS: *H. syriacus* L.

**H. syriacus** Linnaeus, Sp. Pl. 693 (1753).—Hochreutiner in Ann. Conserv. Jard. Bot. Genève, 4: 76 (Rev. Hibiscus, 54) (1900).—Formae numerosae floribus varie coloratis et partim plenis in hortis coluntur.

*Althea frutex* Hort. ex Miller, Gard. Dict. ed. 8, [46, 520]

(1768), pro syn.—Jacques in Ann. Soc. Hort. Paris, 35: 337 (1844), pro syn.—Briot & Carrière in Rev. Hort. 1870: 376 [1871].

*Ketmia syriaca* Scopoli, Fl. Carniol. ed. 2, 2: 45 (1772).

*Ketmia syrorum* Medicus, Einig. Künstl. Geschl. Malven-Fam. 45 (1787).

*Hibiscus rhombifolius* Cavanilles, Monadelph. Diss. 3: 156, t. 69, fig. 3 (1787).

*Ketmia arborea* Moench, Meth. Pl. 617 (1794).

*Hibiscus floridus* Salisbury, Prodr. Stirp. Chap. Allert. 383 (1796).

*Hibiscus acerifolius* W. Hooker, Parad. Londin. 1: 33, t. 33 (1806).

*Hibiscus syriacus* var. *chinensis* Lindley in Jour. Hort. Soc. Lond. 8: 58 (1853).—Lemaire in Jardin Fleur. 4: t. 370 (1854).

**H. sinosyriacus** L. H. Bailey, in Gent. Herb. 1: 109, fig. 50, ss (1922).

**H. paramutabilis** L. H. Bailey, l. c. fig. 50, τ (1922).

Fam. **STERCULIACEAE**

**STERCULIACEAE** [Ventenat, Jard. Malmais. 2: 91 (1803) "*Sterculiacées*".—] Lindley, Introd. Nat. Syst. Bot. 36 (1830).—Schott & Endlicher, Melet. Bot. 30 (1832).—Bentham & Hooker f., Gen. Pl. 1: 214 (1862).—Nom. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 64 (1935) et Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Malvaceae* Cavanilles, Monadelph. Diss. 5: 267 (1788), p. p.

*Buttneriaceae* R. Brown in Flinders, Voy. Terra Austral. 2 (appx.): 540 (1814).

*Buttneriaceae* sect. *Sterculiaceae* Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Amer. 5: 310 (fol. ed. 241) (1821).

*Hermanniaceae* Jussieu ex Kunth, l. c. (1822), pro syn.

*Byttneriaceae* De Candolle, Prodr. 1: 481 (1824).

*Malvaceae* sect. *Buttneriaceae* Saint-Hilaire, Fl. Bras. Merid. 1: 138 (1825).

*Geraniaceae* 2. *Sterculiariae* c. *Sterculieae* Reichenbach, Handb. Nat. Pflanzensyst. 291 (1837).

*Malvaceae* a. *Sterculieae* Horaninov, Tetractys Nat. 32 (1843), nom. subnud.

*Byttneriaceae* subfam. *Sterculieae* Presl, Wšeb. Rostlin. 1: 141 (1846).

*Malvaceae* trib. *Helicterariae* Horaninov, Char. Ess. Fam. Reg. Veg. 191 (1847).

**FIRMIANA** Marsili in Saggi Accad. Sci. Padova. 1: 106, t. (1786).—Schott & Endlicher, Melet. Bot. 33 (1832).  
Typus: *Sterculia platanifolia* L. = *F. platanifolia* (L.) Schott & Endl.

**F. platanifolia** (L. f.) Schott & Endlicher, l. c. 33 (1832).—Shirasawa, Icon. Ess. For. Jap. 2: t. 51, fig. 10-34 (1908).—Ridley in Kew Bull. 1934: 215 (1934).

*Sterculia platanifolia* Linnaeus f., Suppl. Pl. 423 (1781).—Cavanilles, Monadelph. Diss. 5: 287, t. 145 (1788).

*Sterculia Firmiana* J. F. Gmelin, Syst. Nat. ed. 13, 2, 2: 1034 (1791), sphalm. "*Fioriniana*"; op. cit. 1633 (1791), corr.

*Sterculia tomentosa* Thunberg, Icon. Pl. Jap. 4: t. 8 (1802).

*Firmiana chinensis* Medicus ex Steudel, Nomencl. Bot. 814 (1821), pro syn.

*Sterculia pyrifolia* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 83 (Enum. Pl. Chin. Bor. 9. 1833) (1835).

*Firmiana simplex* W. F. Wight in U. S. Dept. Agric. Bur. Pl. Indust. Seeds Pl. Imp. Inv. **15**: 67 (1909). — Rehder & Wilson in Sargent, Pl. Wilson. **2**: 377 (1915). — Merrill in Philipp. Jour. Sci. Bot. **13**: 308 (1918). — Vix *Hibiscus* s. Linnaeus (1763).

### Fam. ACTINIDIACEAE

ACTINIDIACEAE [Van Tieghem in Jour. de Bot. **13**: 173 (1899) "Actinidiacées". —] Gilg & Werdermann in Nat. Pflanzenfam. ed. 2, **21**: 36 (1925).

*Dilleniaceae* sensu Lindley, Nat. Syst. Bot. ed. 2, **21** (1836), p. p. quoad *Actinidia*; non R. Brown (1814).

*Dilleniaceae* [subfam.] *Actinidioideae* Gilg in Nat. Pflanzenfam. III. **6**: 125 [1893].

**ACTINIDIA** Lindley, Nat. Syst. Bot. ed. 2, **21**, 439 (1836). — Bentham & Hooker f., Gen. Pl. **1**: 184 (1862).

*Trochostigma* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **3**, **2**: 726, t. 2, fig. 2 (1843).

*Kolomikta* Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 219 (1857), errore "*Kalomikta*".

Typus: *A. callosa* Lindl.

**A. arguta** (Sieb. & Zucc.) Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 15 (Prol. Fl. Jap. 203) (1867). — Rehder in Mitt. Deutsch. Dendr. Ges. **1903**(12): 123 (1903).

*Trochostigma rufa* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **3**: 727 (1843).

*Trochostigma arguta* Siebold & Zuccarini, l. c. (1843).

*Actinidia rufa* Planchon ex Franchet & Savatier, Enum. Pl. Jap. **1**: 59 [1873]. — Komarov in Act. Hort. Petrop. **25**: 35 (1905).

*Actinidia volubilis* sensu Carrière in Rev. Hort. **1874**: 394, fig. 54 (1874), non Miquel (1867).

*Actinidia polygama* sensu Lauche in Monatsschr. Ver. Beförd. Gartenb. Preuss. **22**: 319, t. 4, fig. 4-8 (1879). — Hooker f. in Bot. Mag. **122**: t. 7497 (1896). — Non Miquel (1867).

*Actinidia callosa* var. *rufa* Makino in Bot. Mag. Tokyo, **15**: 147 (1901).

*Actinidia callosa* var. *arguta* Makino in op. cit. 148 (1901).

*Actinidia rufa* var. *typica* Dunn in Jour. Linn. Soc. Lond. Bot. **39**: 402 (1911).

*Actinidia rufa* var. *arguta* Dunn, l. c. (1911).

*Actinidia arguta* var. *genuina* Skvortzov in Lingnan Sci. Jour. **6**: 218 (1928).

**A. arguta** var. *cordifolia* (Miq.) Bean, Trees Shrubs Brit. Isl. **1**: 162 (1914).

*Actinidia cordifolia* Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 15 (Prol. Fl. Jap. 203) (1867).

*Actinidia platyphylla* Gray ex Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 15 (Prol. Fl. Jap. 203) (1867). — Nakai in Bot. Mag. Tokyo, **47**: 258 (1933).

*Actinidia rufa* var. *cordifolia* Dunn in Jour. Linn. Soc. Lond. Bot. **39**: 403 (1911).

**A. purpurea** Rehder in Sargent, Pl. Wilson. **2**: 378 (1915); in Jour. Arnold Arb. **15**: 96 (1934). — Nakai in Bot. Mag. Tokyo, **47**: 253 (1933).

*Actinidia melanandra* sensu Finet & Gagnepain in Bull. Soc. Bot. France, **52**(Mém. 4): 20 (Contrib. Fl. As. Or. **2**: 21. 1907) [1906], p. p.; non Franchet (1894).

*Actinidia arguta* var. *Dunnii* Léveillé, Cat. Pl. Yun-Nan, 269 (1917).

**A. Giraldui** Diels in Bot. Jahrb. **36**: 75 (1905).

**A. melanandra** Franchet in Jour. de Bot. **8**: 278 (1894). — Rehder in Sargent, Pl. Wilson. **2**: 378 (1915).

*Actinidia rufa* var. *parvifolia* Dunn in Jour. Linn. Soc. Lond. Bot. **39**: 403 (1911).

**A. callosa** Lindley, Nat. Syst. Bot. ed. 2, 439 (1836). — Rehder in Sargent, Pl. Wilson. **2**: 383 (1915).

*Actinidia callosa* var. *typica* Dunn in Jour. Linn. Soc. Lond. Bot. **39**: 405 (1911).

**A. callosa** var. *Henryi* Maximowicz in Act. Hort. Petrop. **11**: 36 (1890). — Rehder in Sargent, Pl. Wilson. **2**: 382 (1915).

*Actinidia callosa* sensu Diels in Bot. Jahrb. **29**: 470 (1900), non Lindley (1836).

*Actinidia curvidens* Dunn in Kew Bull. **1906**: 1 (1906).

*Actinidia callosa* forma c. Dunn in Jour. Linn. Soc. Lond. Bot. **39**: 406 (1911).

**A. venosa** Rehder in Sargent, Pl. Wilson. **2**: 383 (1915).

**A. coriacea** (Fin. & Gagnep.) Dunn in op. cit. 405 (1911). — Stapf in Bot. Mag. **152**: t. 9140 (1928).

*Actinidia callosa* var. *coriacea* Finet & Gagnepain in Bull. Soc. Bot. France, **52**(Mém. 4): 20 (Contrib. Fl. As. Or. **2**: 20. 1907) [1906].

**A. rubricaulis** Dunn in Kew Bull. **1906**: 2 (1906); in Jour. Linn. Soc. Lond. Bot. **39**: 407 (1911).

**A. polygama** (Sieb. & Zucc.) Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 64 (Prim. Fl. Amur.) (1859). — Rehder in Sargent, Pl. Wilson. **2**: 380 (1915). — Nakai in Bot. Mag. Tokyo, **47**: 254 (1933).

*Trochostigma polygama* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **3**: 727, t. 2, fig. 2 (1843).

*Trochostigma volubilis* Siebold & Zuccarini, l. c. (1843).

*Actinidia volubilis* Planchon ex Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 15 (Prol. Fl. Jap. 203) (1867).

*Actinidia polygama* var. *β. latifolia* Miquel in op. cit. 16 (204) (1867).

*Actinidia Kolomikta* sensu Carrière in Rev. Hort. **1872**: 395, fig. 43 (1872), non Maximowicz (1859).

**A. Kolomikta** (Maxim. & Rupr.) Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 63 (Prim. Fl. Amur.) (1859). — Rehder in Sargent, Pl. Wilson. **2**: 380 (1915).

*Prunus* ? *Kolomikta* Maximowicz & Ruprecht in Bull. Acad. Sci. St. Pétersb. **15**: 129 (1856).

*Kolomikta mandshurica* Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 219 (1857) "*Kalomikta*".

*Trochostigma Kolomikta* Ruprecht in Bull. Acad. Sci. St. Pétersb. **15**: 262 (1857).

**A. tetramera** Maximowicz in Act. Hort. Petrop. **11**: 35 (1889). — Rehder in Sargent, Pl. Wilson. **2**: 381 (1915).

*Clematoclethra Giraldui* Diels in Bot. Jahrb. **29**: 472 (1900).

**A. chinensis** Planchon in Lond. Jour. Bot. **6**: 303 (1847). — Rehder in Sargent, Pl. Wilson. **2**: 385 (1915).

**A. Fairchildii** (*A. arguta* × *chinensis*) Rehder in Jour. Arnold Arb. **20**: 421 (1939).

*Actinidia arguta* × *chinensis* Fairchild in Jour. Hered. **18**: 58, fig. 7 (1927).

**CLEMATOCLETHRA** (Franch.) Maximowicz in Act. Hort. Petrop. **11**: 35 (1890). — Komarov in Act. Hort. Petrop. **29**: 83 (1908).

*Clethra* sect. *Clematoclethra* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **10**: 53 (Pl. David. **2**: 91. 1888) (1887).

**Clematoclethra** (continued)

LECTOTYPUS: *Clethra scandens* Franch. = *Clematoclethra scandens* (Franch.) Maxim.

**C. lasioclada** Maximowicz in Act. Hort. Petrop. **11**: 38 (1890). — Rehder in Sargent, Pl. Wilson. **2**: 386 (1915).

**C. scandens** (Franch.) Maximowicz, l. c. (1890).  
*Clethra scandens* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **10**: 53, t. 10 (Pl. David. **2**: 91. 1888) (1887).

*Clematoclethra Maximowiczii* Baillon in Bull. Soc. Linn. Paris, **2**: 873 (1890).

**C. integrifolia** Maximowicz in Act. Hort. Petrop. **11**: 38 (1890).

**C. actinidioides** Maximowicz, l. c. (1890).

Fam. **EUCRYPHIACEAE**

**EUCRYPHIACEAE** Gay, Hist. Fis. Polit. Chile Bot. **1**: 352 (1845). — Gilg in Nat. Pflanzenfam. ed. 2, **21**: 47 (1925).

*Eucryphiae* Reichenbach, Consp. Reg. Veg. 210 (1828).

**EUCRYPHIA** Cavanilles, Icon. Descr. Pl. **4**: 49, t. 372 (1797). — Persoon, Syn. Pl. **2**: 92 [1806] "*Eucryphia*."

— Bentham & Hooker f., Gen. Pl. **1**: 615 (1865).

*Carpodontos* Labillardière, Rel. Voy. Rech. La Pérouse, **2**: 16, t. 18 [1800].

*Pellinia* Molina, Saggio Stor. Nat. Chili, ed. 2, 160 (1810), nom. subnud.

*Carpodon* Sprengel, Syst. Veg. **2**: 634 (1825).

Typus: *E. cordifolia* Cav.

**E. glutinosa** (Poepp. & Endl.) Baillon, Hist. Pl. **1**: 401 (1869). — Focke in Nat. Pflanzenfam. III. **6**: 131 [1893].

*Fagus glutinosa* Poeppig & Endlicher, Nov. Gen. Spec. Pl. **2**: 68, t. 194 (1838).

*Eucryphia pinnatifolia* Gay, Hist. Fis. Polit. Chile Bot. [Fl. Chile] **1**: 352, t. 8 [1846].

**E. nymansensis** (*E. cordifolia* × *glutinosa*) Bausch in Kew Bull. **1938**: 324 (1938).

**E. intermedia** (*E. glutinosa* × *lucida*) Bausch in op. cit. **1937**: 193 (1937); **1938**: 325 (1938).

Fam. **TERNSTROEMACEAE**

**TERNSTROEMACEAE** R. Brown in Abel, Narrat. Jour. China, 378 (1818) "*Ternströmaceae*." — De Candolle in Mém. Soc. Phys. Hist. Nat. Genève, **1(2)**: 405 (Mém. Fam. Ternstr. **13**) (1822); Prodr. **1**: 523 (1824). — Bentham & Hooker f., Gen. Pl. **1**: 177 (1862). — Nakai, Fl. Sylv. Kor. **17**: 63 (1928).

*Ternströmieae* [Mirbel in Nouv. Bull. Sci. Soc. Philom. Paris, **3**: 382 (1813) "*Ternstromiées*."] — De Candolle, Essai Prop. Méd. Pl., ed. 2, 203 (1816) "*Ternstromiae*."

— Lindley, Introd. Nat. Syst. Bot. 43 (1830), pro syn. *Camellieae* De Candolle [Théor. Elém. Bot. 214 (1813) "*Camelliées*," nom.; ed. 2, 245 (1819) "*Camelliées*," nom.;] Prodr. **1**: 529 (1824).

*Theaceae* [Mirbel in Nouv. Bull. Sci. Soc. Philom. Paris [sér. 2], **3**: 381 (1813) "*Theacées*."] — D. Don, Prodr. Fl. Nepal. 224 (1825), nom. subnud. — Reichenbach, Handb. Nat. Pflanzensyst. 300 (1837). — Szyszylowicz in Nat. Pflanzenfam. III. **6**: 175 [1893]. — Sprague in Jour. Bot. **60**: 73 (1922). — Melchior in Nat. Pflanzenfam. ed. 2, **21**: 109 (1925).

*Camelliaceae* Dumortier, Anal. Fam. Pl. 43, 47 (1829).

*Theaceae* 3. *Ternstroemieae* a. *genuinae* et c. *Camelliaceae* Reichenbach, Handb. Nat. Pflanzensyst. 302 (1837).

*Celastraceae* . . . *Ternstroemieae* Horaninov, Tetractys Nat. 32 (1843), nom. subnud.

*Gordoniaceae* Presl, Wseob. Rostlin. **1**: 180 (1846).

**CAMELLIA** Linnaeus, Sp. Pl. 698 (1753); Gen. Pl. ed. 5, 311, no. 759 (1754). — Sweet, Hort. Suburb. Londin. 157 (1818). — Bentham & Hooker f., Gen. Pl. **1**: 187 (1862). — Melchior in Nat. Pflanzenfam. ed. 2, **21**: 128 (1925).

*Thea* Linnaeus, Sp. Pl. 515 (1753); Gen. Pl. ed. 5, 232, no. 593 (1754). — Szyszylowicz in Nat. Pflanzenfam. III. **6**: 182 [1893], sensu ampl. — Rehder in Jour. Arnold Arb. **5**: 238 (1924).

*Tsubaki* Adanson, Fam. Pl. 399 (1763).

*Tsia* Adanson, op. cit. 450 (1763).

*Calpandria* Blume, Bijdr. Fl. Nederl. Ind. 178 (1825).

*Sasanqua* Nees in Flora, **17,1** (Literaturber.): 144 (1834). — Rafinesque, Sylv. Tellur. 140 (1838).

*Desmitus* Rafinesque, Sylv. Tellur. 139 (1838).

*Kemelia* Rafinesque, l. c. (1838).

*Drupifera* Rafinesque, op. cit. 140 (1838).

*Kalpandria* Walpers, Repert. Bot. Syst. **1**: 435 (1842).

*Salceda* Blanco, Fl. Filip. ed. 2, 374 (1845).

*Camelliastrum* Nakai in Jour. Jap. Bot. **16**: 699 (1940).

Typus: *C. japonica* L.

Sect. I. **EUCAMELLIA** Cohen Stuart in Bull. Jard. Bot. Buitenz. sér. 3, **1**: 241 (1919).

*Camellia* Linnaeus, Sp. Pl. 698 (1753).

*Thea* sect. *Camellia* (L.) Pierre, Fl. For. Cochinch. **2**: t. 119, p. [2] [1887]. — Szyszylowicz in Nat. Pflanzenfam. III. **6**: 183 [1893].

**C. japonica** Linnaeus, Sp. Pl. 698 (1753). — Siebold & Zuccarini, Fl. Jap. **1**: 155, t. 82 [1841].

*Camellia florida* Salisbury, Prodr. Stirp. Chap. Allert. 370 (1806).

*Thea Camellia* Hoffmannsegg, Verz. Pflanzenkult. 117 (1824).

*Thea japonica* Baillon, Hist. Pl. **4**: 229, fig. 253 (1873), nom. — Pierre, Fl. For. Cochinch. **2**: t. 119, p. [2] [1887]. — Noisette ex Szyszylowicz in Nat. Pflanzenfam. III. **6**: 183 [1893].

*Thea japonica* var. *spontanea* Makino in Bot. Mag. Tokyo, **25**: 160 (1908).

*Camellia japonica* var. *spontanea* Nakai, Fl. Sylv. Kor. **17**: 73, t. 18 (1928).

**C. Sasanqua** Thunberg, Fl. Jap. 273 (1784). — Siebold & Zuccarini, Fl. Jap. **1**: 158, t. 83 [1841]. — Sealy in Bot. Mag. **162**: t. 9591 (1940).

*Thea Sasanqua* Noisette ex Cels, Cat. Arb. 35 (1817). — Hoffmannsegg, Verz. Pflanzenkult. 117 (1824). — Noisette ex Szyszylowicz in Nat. Pflanzenfam. III. **6**: 183 [1893].

*Sasanqua odorata* Rafinesque, Sylv. Tellur. 140 (1838).

*Thea Sasanqua* var. *a. Thunbergii* Pierre, Fl. Cochinch. **2**: t. 119, p. [2] (1887).

Sect. II. **THEOPSIS** Cohen Stuart in Bull. Jard. Bot. Buitenz. sér. 3, **1**: 241 (1919).

*Thea* sect. *Camelliopsis* Pierre, Fl. For. Cochinch. **2**: t. 119, p. [1] (1887).

*Thea* sect. *Euthea* Szyszylowicz in Nat. Pflanzenfam. III. **6**: 183 [1893], p. p.

**C. cuspidata** (Kochs) Veitch in Jour. Hort. Soc. Lond. **38**: lxii, fig. 38 (1912). — Bean, Trees Shrubs Brit. Isl. **1**: 284, fig. (1914).

- Thea cuspidata* Kochs in Bot. Jahrb. 27: 586 (Gatt. Thea, 14) (1900).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 390 (1915).
- Sect. III. **THEA** Cohen Stuart in Bull. Jard. Bot. Buitenz. ser. 3, 1: 241 (1919).
- Thea* Linnaeus, Sp. Pl. 515 (1753); Gen. Pl. ed. 5, 232, no. 593 (1754).
- Theaphylla* Rafinesque, Med. Fl. 267 (1830); Sylv. Tellur. 138 (1838) "*Theaphylla*."
- Thea* sect. *Euthea* Pierre, Fl. For. Cochinch. 2: t. 118, p. [1] [1887].—Szyszyłowicz in Nat. Pflanzenfam. III. 6: 183 [1893], exclud. sp. nonnull.
- C. sinensis** (L.) Kuntze, Um die Erde, 500 (1881); in Act. Hort. Petrop. 10: 195 (1887), in obs.
- Thea sinensis* Linnaeus, Sp. Pl. 515 (1753).—Rehder & Wilson in Sargent, Pl. Wilson. 2: 391 (1915).
- Thea bohea* Linnaeus, Sp. Pl. ed. 2, 734 (1762).
- Thea viridis* Linnaeus, op. cit. 735 (1762).
- Thea cochinchinensis* Loureiro, Fl. Cochinch. 338 (1790).
- Thea cantoniensis* Loureiro, op. cit. 339 (1790).
- Thea oleosa* Loureiro, l. c. (1790), p. p. quoad descr.
- Thea chinensis* var. *β. Bohea* Sims in Bot. Mag. 25: t. 998 (1807).
- Camellia Bohea* Sweet, Hort. Suburb. Londin. 157 (1818).
- Camellia viridis* Sweet, l. c. (1818).—Link, Enum. Pl. Hort. Berol. 2: 73 (1822).
- Thea stricta* Hayne, Getr. Darst. Beschr. Arzneik. Gew. 7: t. 27 (1821).
- Camellia Thea* Link, l. c. (1822).
- Camellia* ? *Scottiana* Wallich, Num. List, no. 3668 [1829], nom.—Dyer in Jour. Linn. Soc. Lond. Bot. 23: 328 (1873), pro syn.
- Theaphylla laxa*, *T. lanceolata*, *T. viridis*, *T. cantoniensis*, Rafinesque, Sylv. Tellur. 139 (1838).
- Thea assamica* J. W. Masters in Jour. Agric. Hort. India, 3: 63 (1844); in Jour. As. Soc. Bengal, 4: 48, t. 2 (1844).
- Camellia theifera* Griffith, Icon. Pl. As. 4: t. 601, fig. 1, 3, t. 603, fig. 1, 2 (1854).—Dyer in Hooker f., Fl. Brit. Ind. 1: 292 (1874).
- Thea sinensis* *β. Bohea* Szyszyłowicz in Nat. Pflanzenfam. III. 6: 183 [1893].—Nakai, Fl. Sylv. Kor. 17: 69, t. 17 (1928) "var."
- STEWARTIA** Linnaeus, Sp. Pl. 698 (1753); Gen. Pl. ed. 5, 311, no. 758 (1754).—Szyszyłowicz in Nat. Pflanzenfam. III. 6: 186 [1893].
- Malachodendron* Cavanilles, Monadelph. Diss. 5: 302 (1788).
- Stuartia* L'Héritier, Stirp. Nov. 153 [1791].—Bentham & Hooker f., Gen. Pl. 1: 185 (1862).
- Cavanilla* Salisbury, Prodr. Stirp. Chap. Allert. 385 (1796), non J. F. Gmelin (1791), nec Thunberg (1795).  
TYPUS: *S. Malacodendron* L.
- S. Malacodendron** Linnaeus, Sp. Pl. 698 (1753).—Britton & Brown, Ill. Fl. N. U. S. 2: 426 (1897) "*Stuartia Malachodendron*."
- Stewartia virginica* Cavanilles, Monadelph. Diss. 5: 303, t. 159, fig. 2 (1788).
- Stuartia nobilis* Salisbury, Prodr. Stirp. Chap. Allert. 386 (1796).
- S. Pseudo-Camellia** Maximowicz in Bull. Acad. Sci. St. Pétersb. 11: 429 (in Mém. Biol. 6: 201, 1868) (1867) "*Stuartia*."
- Stuartia grandiflora* Carrière in Rev. Hort. 1874: 399 (1874).—Siebold ex Briot in Rev. Hort. 1879: 430, t. (1879).
- Stuartia japonica* var. *grandiflora* hort. ex Schneider, Ill. Handb. Laubh. 2: 331 (1909), pro syn.
- S. koreana** Nakai in sched. ex Rehder in Jour. Arnold Arb. 7: 242 (1926); 9: 31 (1928).—Nakai, Fl. Sylv. Kor. 17: 67, t. 16 (1928, Dec.).
- Stuartia monadelphica* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 80 (1886), non Siebold & Zuccarini (1841).
- Stewartia pseudo-camellia* sensu Nakai in Bot. Mag. Tokyo, 32: 232 (1918), non Maximowicz (1867).
- S. sinensis** Rehder & Wilson in Sargent, Pl. Wilson. 2: 395 (1915).
- S. monadelphica** Siebold & Zuccarini, Fl. Jap. 1: 181, t. 96 [1841] "*Stuartia*."
- S. serrata** Maximowicz in Bull. Acad. Sci. St. Pétersb. 11: 430 (in Mém. Biol. 6: 201, 1868) (1867) "*Stuartia*."
- S. ovata** (Cav.) Weatherby in Rhodora, 41: 198 (1939).
- Malachodendron ovatum* Cavanilles, Monadelph. Class. Diss. 5: 302, t. 158, fig. 2 (1788).
- Stewartia montana* Bartram, Travels N. & S. Carol. 334 (1791).—Merrill in Bartonica, 23: 32 (1945).
- Stuartia pentagyna* L'Héritier, Stirp. Nov. 155, t. 74 [1791].
- Cavanilla florida* Salisbury, Prodr. Stirp. Chap. Allert. 385 (1796).
- Malachodendron pentagynum* Dumont de Courset, Bot. Cult. ed. 2, 5: 107 (1811).
- S. ovata** var. *grandiflora* (Bean) Weatherby in Rhodora, 41: 198 (1939).
- Stewartia pentagyna* var. *grandiflora* Bean, Trees Shrubs Brit. Isl. 2: 555 (1914).
- Malachodendron pentagynum grandiflorum* E. J. Alexander in Addisonia, 19: 1, t. 609 (1935).
- FRANKLINIA** Marshall, Arbust. Am. 48 (1785).—J. F. Gmelin, Syst. Nat. ed. 13, 2: 810 (1791) "*Franklina*." —Melchior in Nat. Pflanzenfam. ed. 2, 21: 134 (1925).
- Michauxia* Salisbury, Prodr. Stirp. Chap. Allert. 386 (1796), non L'Héritier (1788), nec Necker (1790).
- Lacathea* Salisbury in W. Hooker, Paradis. Londin. t. 56 [1806].
- Gordonia* sect. III. *Lacathea* (Salisb.) De Candolle, Prodr. 1: 528 (1824).
- TYPUS: *F. alatomaha* Marsh.
- F. alatomaha** Marshall, Arbust. Am. 49 (1785).—Small, Fl. Southeast. U. S. 783 (1903).
- [*Alatomaha* Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 5 (1785 vel prius), nom.]
- Franklina americana* J. F. Gmelin, Syst. Nat. ed. 13, 2: 810 (1791).
- Gordonia pubescens* L'Héritier, Stirp. Nov. 156 [1791].
- Gordonia franklini* L'Héritier, l. c. [1791].
- Michauxia sessilis* Salisbury, Prodr. Stirp. Chap. Allert. 386 (1796).
- Lacathea florida* Salisbury in W. Hooker, Paradis. Londin. t. 56 [1806].
- Gordonia franklinia* Eaton, Man. Bot. N. Am. 78 (1817).
- Gordonia pubescens* a. *velutina* De Candolle, Prodr. 1: 528 (1824).
- Gordonia pubescens* *β. subglabra* De Candolle, l. c. (1824).
- Franklinia alatomaha* Rafinesque in First Cat. Bot. Gard.

**Franklinia alatomahia** (continued)

Transylv. Univ. 21 (1824), nom. — Rafinesque in Atlantic Jour. 79, fig. (1832).

*Gordonia Altamaha* Sargent in Gard. & For. 2: 616 (1889); Silva N. Am. 1: 45, t. 22 (1891).

*Lasianthus pubescens* O. Kuntze, Rev. Gen. Pl. 1: 63 (1891).

**EURYA** Thunberg, Nov. Gen. Pl. 3: 67 (1783); Fl. Jap. 11 (1784). — Bentham & Hooker f., Gen. Pl. 1: 183 (1862).

— Melchior in Nat. Pflanzenfam. ed. 2, 21: 146 (1925).

*Eurya* Lamarck, Encycl. Méth. Bot. 2: 440 [1788].

*Geeria* Blume, Bijdr. Fl. Nederl. Ind. 125 (1825), non Necker (1790).

TYPE: *E. japonica* Thunb.

**E. japonica** Thunberg in Nov. Act. Soc. Sci. Upsal. 4: 31, 37 (1783); Fl. Jap. 191, t. 25 (1784).

*Eurya japonica* Lamarck, Encycl. Méth. Bot. 2: 440 [1788].

*Eurya uniflora*, *E. hortensis*, *E. montana* Siebold ex Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 42: 163 (Fl. Jap. Fam. Nat. 1: 55) (1845), nom.

*Eurya japonica* β. var. *uniflora*, δ. var. *hortensis*, ζ. var. *pusilla* Blume, Mus. Bot. Lugd.-Bat. 2: 106, 107 (1852).

*Eurya multiflora* Siebold in herb. ex Blume, l. c. (1852), pro syn.

*Eurya japonica* γ. var. *montana* Blume, l. c. (1852). — Nakai, Fl. Sylv. Kor. 17: 82, t. 21 (1928) "var."

*Eurya japonica* α. *multiflora* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 14 (Prol. Fl. Jap. 202) (1866).

*Eurya japonica* α. *Thunbergii* Ito & Matsumura in Jour. Coll. Sci. Tokyo, 12: 326 (1899).

Fam. **GUTTIFERAE**

**GUTTIFERAE** Choisy in De Candolle, Prodr. 1: 557 (1824). — Engler in Nat. Pflanzenfam. ed. 2, 21: 154 (1925). — NOM. ALTERN. CONSERV., cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Congr. 1: 358 (1936).

*Hypericineae* Choisy, Prodr. Monog. Hyperic. 32 (1821). — Bentham & Hooker f., Gen. Pl. 1: 163 (1862).

*Hypericaceae* Chamisso & Schlechtendal in Linnaea, 8: 180 (1823). — Bentham in Lond. Jour. Bot. 2: 367 (1843).

*Clusiaceae* Lindley, Nat. Syst. Bot. ed. 2, 74 (1836), nom. altern.; Veg. Kingd. 400 (1846).

*Hypericineae* 2. *Hypericeae* β. *Androsaemeae* Reichenbach, Handb. Nat. Pflanzensyst. 307 (1837).

*Cambogiaceae* α. *Hypericeae* et β. *Guttiferae* Horaninov, Tetractys Nat. 32 (1843), nom. subnud.

*Clusiaceae* trib. *Hypericariae* Horaninov, Char. Ess. Fam. Reg. Veg. 199 (1847).

*Guttiferae* subfam. *Hypericoideae* Engler in Martius, Fl. Brasil. 12, 1: 391 (1888); in Nat. Pflanzenfam. III. 6: 205 (1893).

**ASCYRUM** Linnaeus, Sp. Pl. 788 (1752); Gen. Pl. ed. 5, 342, no. 809 (1754). — Bentham & Hooker f., Gen. Pl. 1: 164 (1862).

*Hypericoides* Adanson, Fam. Nat. 2: 443 (1763).

LECTOTYPUS: *A. Crux-Andrae* L.

**A. Hypericoides** Linnaeus, Sp. Pl. 788 (1753), p. p. — Torrey & Gray, Fl. N. Am. 1: 156 (1838).

*Ascyrum Crux-Andrae* β. *angustifolium* Nuttall, Gen. N. Am. Pl. 2: 16 (1818).

*Ascyrum linifolium* Spach, Hist. Not. Vég. Phan. 5: 459 (1836).

*Ascyrum Hypericoides* var. *typicum* Fernald in Rhodora, 38: 432 (1936).

**A. Hypericoides** var. *multicaule* (Michx.) Fernald in op. cit. 443 (1936).

*Ascyrum multicaule* Michaux, Fl. Bor.-Am. 2: 77 (1803).

*Ascyrum helianthemifolium* Spach, Hist. Nat. Vég. Phan. 5: 460 (1836).

*Ascyrum spathulatum* Spach, op. cit. 462 (1836).

*Ascyrum Crux-Andrae* sensu Torrey & Gray, Fl. N. Am. 1: 156 (1838), non Linnaeus (1753).

**A. stans** Michaux, Fl. Bor.-Am. 2: 77 (1803). — Willdenow, Sp. Pl. 3, 2: 1473 [1802]. — Britton & Brown, Ill. Fl. N. U. S. 2: 428, fig. 2442 (1891).

*Hypericum tetrapetalum* Lamarck, Encycl. Méth. Bot. 4: 153 [1797].

**HYPERICUM** Linnaeus, Sp. Pl. 783 (1753); Gen. Pl. ed. 5, 341, no. 808 (1754). — J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 1156 (1791) "*Hypericon*." — Bentham & Hooker f., Gen. Pl. 1: 165 (1862).

*Androsaemum* Miller, Gard. Dict. abridg. ed. 4, 1 (1754). — Adanson, Fam. Pl. 2: 444 (1763). — Spach in Ann. Sci. Nat. Bot. sér. 2, 5: 360 (1836).

*Elodea* Adanson, Fam. Pl. 2: 444 (1763). — Pursh, Fl. Am. Sept. 2: 379 (1814).

*Brathys* Linnaeus f., Suppl. Pl. 43 (1781).

*Myriandra* Spach in Ann. Sci. Nat. Bot. sér. 2, 5: 364 (1836).

*Triadenum* Spach in op. cit. 172, 354 (1836).

*Brathydium* Spach in op. cit. 365 (1836).

*Norysca* Spach in op. cit. 363 (1836).

*Roscyna* Spach in op. cit. 364 (1836).

LECTOTYPUS: *H. perforatum* L.

**H. calycinum** Linnaeus, Mant. Pl. 1: 105 (1767). — Boissier, Fl. Or. 1: 789 (1867).

*Hypericum Ascyron* Miller, Gard. Dict. ed. 8, *H.* no. 7 (1768), non Linnaeus (1753).

**H. Ascyron** Linnaeus, Sp. Pl. 783 (1753). — Lamarck, Encycl. Méth. Bot. 4: 147 (1797) "*H. Ascyron*." — Britton & Brown, Ill. Fl. N. U. S. 2: 429, fig. 2444 (1897). — Rehder in Sargent, Pl. Wilson. 2: 402 (1915).

*Hypericum pyramidatum* Aiton, Hort. Kew. 3: 103 (1789).

*Ascyrum amplexicaule* Lamarck, Encycl. Méth. Bot. 4: 147 (1797).

*Ascyrum sibiricum* Lamarck, l. c. (1797), pro syn.; Rec. Planch. 3: t. 642, fig. 3 (1797); Tabl. Encycl. Méth. Bot. 3: 200 (1823) "*Ascyre de Sibérie*."

*Hypericum Ascyroides* Willdenow, Sp. Pl. 3, 2: 1443 [1802].

*Hypericum macrocarpum* Michaux, Fl. Bor.-Am. 2: 82 (1803).

*Roscyna Gmelini* Spach, Hist. Nat. Vég. Phan. 5: 430 (1836).

*Roscyna americana* Spach, op. cit. 431 (1836).

*Roscyna japonica* Blume, Mus. Bot. Lugd.-Bat. 2: 21 (1852).

*Hypericum Ascyron* var. *hupehense* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 432 (1910).

**H. Ascyron** f. *Vilmorinii* (Rehd.), grad. nov.

*Hypericum Ascyron* sensu Sprague in Bot. Mag. 140: t. 8557 (1914), non Linnaeus (1753).

*Hypericum Ascyron* var. *Vilmorinii* Rehder in Bailey,



- Stand. Cycl. Hort. **3**: 1630 (1915); in Mitt. Deutsch. Dendr. Ges. **1915**(24): 224 [1916].
- H. patulum** Thunberg, Fl. Jap. 295 (1784).—Rehder in Sargent, Pl. Wilson. **2**: 402 (1915); in Jour. Arnold Arb. **15**: 100 (1934).  
*Norysca patula* Blume, Mus. Bot. Lugd.-Bat. **2**: 23 (1852).  
*Hypericum Argyi* Léveillé & Vaniot in Bull. Soc. Bot. France, **54**: 591 (1907).
- H. patulum** var. *oblongifolium* Koehne, Deutsche Dendr. **415** (1893) "β."—Schneider, Ill. Handb. Laubh. **2**: 336 (1909).  
*Hypericum oblongifolium* sensu Wallich, Pl. As. Rar. **3**: 23, t. 244 (1832), non Choisy (1821).
- H. patulum** var. *uralum* (Don) Koehne, Deutsche Dendr. **415** (1893) "γ."  
*Hypericum Uralum* Hamilton ex D. Don in Sims in Bot. Mag. **50**: t. 2375 (1823); Prodr. Fl. Nepal. **218** (1825).
- H. patulum** var. *Henryi* [Veitch] in Gard. Chron. ser. 3, **36**: 229 (1904), nom.—W. J. B[ean] in Gard. Chron. ser. 3, **38**: 179 (1905); Bean, Trees Shrubs Brit. Isl. **1**: 639 (1914).—Rehder in Sargent, Pl. Wilson. **2**: 403 (1915).
- H. patulum** f. *Forrestii* (Chittenden), grad. nov.  
*Hypericum patulum Forrestii* Chittenden in Jour. Hort. Soc. Lond. **68**: 234, fig. 26 (1923).
- H. Moserianum** (*H. calycinum* × *patulum*) André in Rev. Hort. **1889**: 463, fig. 116–117 (1889).  
*Hypericum Moserianum* Luquet in Jardin, **2**: 209 (1888), nom. subnud.
- H. Moserianum** f. *tricolor* (Maumené), grad. nov.  
*Hypericum Moserianum* var. *tricolor* Maumené in Jardin, **8**: 186, fig. 93 (1894).
- H. Hookerianum** Wight & Arnott, Prodr. Fl. Ind. 99 (1834).—Rehder in Sargent, Pl. Wilson. **2**: 403 (1915); in Jour. Arnold Arb. **15**: 100 (1934).  
*Hypericum oblongifolium* sensu Hooker in Bot. Mag. **82**: t. 4949 (1856), non Choisy (1821).  
*Hypericum Henryi* Léveillé & Vaniot in Bull. Soc. Bot. France, **54**: 590 (1907).
- H. Hookerianum** var. *Leschenaultii* (Choisy) Dyer in Hooker f., Fl. Brit. Ind. **1**: 254 (1872).  
*Hypericum Leschenaultii* Choisy in De Candolle, Prodr. **1**: 545 (1824).—Stapf in Bot. Mag. **152**: t. 9160 (1928).  
*Hypericum triflorum* Blume, Bijdr. Fl. Nederl. Ind. **1**: 142 (1825).—R. Keller in Nat. Pflanzenfam. III. **6**: 209, fig. 100r, s, [1893].  
*Hypericum javanicum* Blume, op. cit. **141** (1825).  
*Hypericum coriaceum* Blume, op. cit. **142** (1825).  
*Norysca Leschenaultii*, *N. rorida*, *N. javanica*, *N. coriacea* Blume, Mus. Bot. Lugd.-Bat. **2**: 24 (1852).  
*Hypericum nervosum* Choisy in Zollinger, Syst. Verz. Ind. Archip. Pfl. **1–2**: 151, 152 (1854), non D. Don (1825).  
*Hypericum patulum* sensu Junghuhn, Java, seine Gestalt, ed. 2 (trans. by Hasskarl), **1**: 428, 440 (1857), non Thunberg (1784).  
*Norysca nervosa* Miquel, Fl. Nederl. Ind. **1,2**: 515 (1859).  
*Hypericum Hookerianum* sensu Koorders, Exkursionsfl. Java, **2**: 614 (1912), non Wight & Arnott (1834).
- H. Dyeri** Rehder in Jour. Arnold Arb. **20**: 422 (1939).  
*Hypericum lysimachioides* Wallich, Num. List. no. 4877 [1831], nom.—Wallich ex Dyer in Hooker f., Fl. Brit. Ind. **1**: 254 (1874).—Non Boissier & Noë (1853).
- H. kouytchense** Léveillé in Bull. Soc. Agric. Sci. Sarthe, **59**: 322 (1904); in Repert. Sp. Nov. Reg. Veg. **6**: 375 (1909).—Rehder in Jour. Arnold Arb. **15**: 101 (1934).
- H. cernuum** Roxburgh, Hort. Bengal. **59** (1814), nom.; Fl. Ind. [ed. 2], **3**: 400 (1832).—Dyer in Hooker f., Fl. Brit. Ind. **1**: 253 (1874).  
*Hypericum oblongifolium* Choisy, Prodr. Monog. Hyperic. **42**, t. 4 (1821).
- H. reptans** Hooker f. & Thomson mss. ex Dyer in Hooker f., Fl. Brit. Ind. **1**: 255 (1874).
- H. repens** Linnaeus, Sp. Pl. **783** (1753).—Jaubert & Spach, Ill. Pl. Or. **1**: 50, t. 26 (1842).
- H. chinense** Linnaeus, Syst. Nat. ed. 10, **2**: 1184 (1759).—Rehder in Sargent, Pl. Wilson. **2**: 404 (1915).  
*Hypericum monogynum* Linnaeus, Sp. Pl. ed. 2, **1107** (1763).—Miller, Gard. Dict. ed. 8, *H.* no. 8 (1768).  
*Hypericum aureum* Loureiro, Fl. Cochinch. **472** (1790).  
*Norysca chinensis* Spach, Hist. Nat. Vég. Phan. **5**: 427 (1836).  
*Norysca aurea* Blume, Mus. Bot. Lugd.-Bat. **2**: 23 (1852).  
*Norysca punctata* Blume, l. c. (1852).
- H. lobocarpum** Gattinger ex Coulter in Bot. Gaz. **11**: 275 (1886).—Small, Man. Southeast. Fl. **874** (1933).  
*?Hypericum rostratum* Rafinesque, Fl. Ludovic. **88** (1817).  
*Hypericum densiflorum* var. *lobocarpum* (Gattinger) Svenson in Rhodora, **42**: 11 (1940).
- H. arnoldianum** (*H. galioides* × *lobocarpum*) Rehder in Mitt. Deutsch. Dendr. Ges. **1910**(19): 253 [1911?].
- H. Dawsonianum** (*H. lobocarpum* × *prolificum*) Rehder, l. c. [1911?].
- H. oklahomense** E. J. Palmer in Jour. Arnold Arb. **5**: 128 (1924).—Svenson in Rhodora, **42**: 11 (1940), pro syn.
- H. Kalmianum** Linnaeus, Sp. Pl. **783** (1753).—Svenson in Rhodora, **42**: 9 (1940).  
*Hypericum Bartramium* Miller, Gard. Dict. ed. 8, *H.* no. 10 (1768).—C. F. Ludwig, Neu. Wilde Baumz. **22** (1783) "*Bartramicum*," pro syn.—Pursh, Fl. Am. Sept. **2**: 374 (1814) "*Bartramianum*," pro syn.
- H. nothum** (*H. densiflorum* × *Kalmianum*) Rehder in Mitt. Deutsch. Dendr. Ges. **1910**(19): 254 [1911?].
- H. galioides** Lamarck, Encycl. Méth. Bot. **4**: 161 [1797].—Britton & Brown, Ill. Fl. N. U. S. **2**: 431, f. 2448 (1897).  
*Hypericum fasciculatum* Michaux, Fl. Bor.-Am. **2**: 80 (1803), non Lamarck [1797].  
*Hypericum Michauxii* Poiret, Encycl. Méth. Bot. Suppl. **3**: 694, 696 (1813).  
*Hypericum galioides* var. *typicum* Svenson in Rhodora, **42**: 17, t. 587, fig. 3 (1940).
- H. fasciculatum** Lamarck, Encycl. Méth. Bot. **4**: 160 [1797].  
*Hypericum Coris* ? Walter, Fl. Carol. **190** (1788), non Linnaeus (1753).  
*Hypericum aspalathoides* Willdenow, Sp. Pl. **3**: 1451 [1802].  
*Hypericum galioides* var. *fasciculatum* (Lam.) Svenson in Rhodora, **42**: 12, t. 587, fig. 1 (1940).
- H. prolificum** Linnaeus, Mant. Pl. **1**: 106 (1767).—Coulter in Gray, Syn. Fl. N. Am. **1,1**: 285 (1897).—Svenson in Rhodora, **42**: 9 (1940).

**Hypericum prolificum** (*continued*)

- Myriandra prolifica* Spach in Ann. Sci. Nat. Bot. sér. 2, 5: 365 (1836); Hist. Nat. Vég. Phan. 5: 439 (1836), p. p. *Hypericum prolificum* var.  $\beta$ . Torrey & Gray, Fl. N. Am. 1: 159 (1838), p. p.  
*Brathys prolifica* Payer, Traité Organog. Vég. Comp. Fl. 8, t. 1 (1857).
- H. Vanfleetii** (*H. frondosum*  $\times$  *prolificum*) Hort. ex Rehder, Man. Cult. Trees Shrubs, ed. 2, 640 (1940).
- H. frondosum** Michaux, Fl. Bor.-Am. 2: 81 (1803).—Lott in Jour. Arnold Arb. 19: 149 (1938).  
*Hypericum aureum* Bartram, Travels N. & S. Carol. 383 (1791).—Torrey & Gray, Fl. N. Am. 1: 161 (1838).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 531, fig. 2885 (1913).—Non Loureiro (1790).  
*Brathydium aureum* K. Koch, Hort. Dendr. 66 (1853).
- H. splendens** Small in Bull. Torrey Bot. Club, 28: 291 (1901); Man. Southeast. Fl. 872 (1933).
- H. nudiflorum** Michaux, Fl. Bor.-Am. 2: 78 (1803).—Svenson in Rhodora, 42: 18 (1940).  
*Myriandra nudiflora* Spach, Hist. Nat. Vég. Phan. 5: 440 (1836).  
*Brathydium nudiflorum* K. Koch, Hort. Dendr. 67 (1853).
- H. sphaerocarpum** Michaux, Fl. Bor.-Am. 2: 78 (1803).—Torrey & Gray, Fl. N. Am. 1: 163 (1838).—Svenson in Rhodora, 42: 17 (1940).  
*Hypericum nudiflorum* sensu Reichenbach, Icon. Bot. Exot. 60, t. 87 (1827), non Michaux (1803).  
*Brathydium sphaerocarpum* Spach, Hist. Nat. Vég. Phan. 5: 444 (1836).  
*Hypericum cistifolium* sensu Coulter in Gray, Syn. Fl. N. Am. 1: 287 (1897).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 532, fig. 2888 (1913).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 640 (1940).—Non Lamarck [1797].
- H. turgidum** Small, Fl. Southeast. U. S. 788 (1903).  
*Hypericum sphaerocarpum* var. *turgidum* Svenson in Rhodora, 42: 17 (1940).
- H. glomeratum** Small in Bull. New York Bot. Gard. 1: 281 (1899); Man. Southeast. Fl. 871 (1933).—Svenson in Rhodora, 42: 10 (1940), pro syn.
- H. adpressum** Barton, Comp. Fl. Philad. 2: 15 (1818).—Svenson in op. cit. 18 (1940).  
*Hypericum fastigiatum* Elliott, Sketch Bot. S. Carol. 2: 31 [1821], non Humboldt, Bonpland, Kunth (1821).  
*Hypericum adpressum*  $\beta$ . *fastigiatum* Torrey & Gray, Fl. N. Am. 1: 673 (1840).  
*Brathydium fastigiatum* K. Koch, Hort. Dendr. 67 (1853).
- H. densiflorum** Pursh, Fl. Am. Sept. 376 (1814).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 530, fig. 2884 (1913).—Svenson in Rhodora, 42: 10 (1940).  
*Hypericum foliosum* sensu Jacquin, Pl. Rar. Hort. Schoenbrunn. 3: 27, t. 299 (1798), non Aiton (1789).  
*Hypericum prolificum* sensu Torrey & Gray, Fl. N. Am. 1: 159 (1838), non Linnaeus (1767).  
*Hypericum prolificum* var. *densiflorum* Gray, Man. Bot. N. U. S. ed. 5, 84 (1867).  
*Hypericum interior* Small in Bull. Torrey Bot. Club, 28: 359 (1901); Fl. Southeast. U. S. 789 (1903).
- H. Buckleyi** M. A. Curtis in Am. Jour. Sci. 44: 80 (1843).—Svenson in Rhodora, 42: 19 (1940).

- H. hircinum** Linnaeus, Sp. Pl. 784 (1753).—Schneider, Ill. Handb. Laubh. 2: 337 (1909).  
*Androsaemum hircinum* Spach, Hist. Nat. Vég. Phan. 5: 419 (1836).
- H. hircinum** var. *pumilum* hort. ex Watson, Dendr. Brit. 2: t. 87 (1825).  
*Hypericum hircinum* var. *minus* Bean, Trees Shrubs Brit. Isl. 1: 637 (1914).
- H. inodorum** Willdenow, Sp. Pl. 3,2: 1449 [1802].—Schneider, Ill. Handb. Laubh. 2: 338, fig. 224b (1909).
- H. olympicum** Linnaeus, Sp. Pl. ed. 2, 1102 (1762).—Boissier, Fl. Or. 1: 790 (1867).
- H. polyphyllum** Boissier & Balansa in Boissier, Diagn. Pl. Nov. Or. sér. 2, 5: 68 (1856).—Boissier, Fl. Or. 1: 791 (1867).
- H. elatum** Aiton, Hort. Kew. 3: 104 (1789).—Syme in Sowerby, Engl. Bot. ed. 3, 2: t. 265 (1864).  
*Hypericum foliosum* Aiton, Hort. Kew. 3: 104 (1789).  
*Hypericum grandifolium* Choisy, Prodr. Monog. Hypéric. 38, t. 3 (1821).—Schneider, Ill. Handb. Laubh. 2: 337, fig. 225d-e (1909).  
*Androsaemum Webbianum* Spach, Hist. Nat. Vég. Phan. 5: 418 (1836).  
*Androsaemum pyramidale* Spach, l. c. 417 (1836).  
*Androsaemum parviflorum* Spach in Ann. Sci. Nat. Bot. sér. 2, 5: 361 (1836).
- H. Androsaemum**  $\times$  *elatum* Koehne, Deutsche Dendr. 416 (1893), sine descript.—Rehder, Man. Cult. Trees Shrubs, 630 (1927).  
*Hypericum multiflorum* hort. ex Koehne, l. c. (1893), pro syn.—Hort. ex Schneider, Ill. Handb. Laubh. 2: 337 (1909), nom.—Non Humboldt, Bonpland, Kunth (1821).
- H. Androsaemum** Linnaeus, Sp. Pl. 784 (1753).—Schneider, Ill. Handb. Laubh. 2: 337, fig. 225a-c (1909).  
*Hypericum bacciferum* Lamarck, Fl. Franç. 3: 151 (1778).  
*Androsaemum officinale* Allioni, Fl. Pedem. 2: 47 (1785).—Reichenbach, Icon. Fl. Germ. 6: 70, t. 352 (1844).  
*Androsaemum vulgare* Gaertner, Fruct. Sem. 1: 282, t. 59, fig. 2 (1788).  
*Hypericum anglicum* Bertoloni, Fl. Ital. 8: 310 (1850).—Babington in Ann. Mag. Nat. Hist. ser. 2, 15: 92 (1855).
- H. Coris** Linnaeus, Sp. Pl. ed. 2, 1107 (1762).—Schneider, Ill. Handb. Laubh. 2: 332, fig. 221a-d (1909).  
*Hypericum verticillatum* Lamarck, Fl. Franç. 3: 149 (1778).
- H. empetrifolium** Willdenow, Sp. Pl. 3,2: 1452 [1802].—Hooker f. in Bot. Mag. 110: t. 6764 (1884).  
*Hypericum multicaule* Lamarck, Encycl. Méth. Bot. 4: 178 [1797].  
*Hypericum Coris* sensu Sibthorp, Fl. Graec. 8: 56, t. 777 (1813), non Linnaeus (1762).

Fam. **TAMARICACEAE**

- TAMARICACEAE** Horaninov, Prim. Lin. Syst. Nat. 85 (1834).—Lindley, Nat. Syst. Bot. ed. 2, 126 (1836).—Niedenzu in Nat. Pflanzenfam. ed. 2, 21: 282 (1925).  
*Tamariscineae* Desvaux in Ann. Sci. Nat. 4: 348 (1825).—Bentham & Hooker f., Gen. Pl. 1: 159 (1862), exclud. trib. III.  
*Aizoideae* 3. *Tamariscineae* b. *Reaumurieae* et c. *Tamarisceae* Reichenbach, Handb. Nat. Pflanzensyst. 240 (1837).

- Reaumuriaceae* Endlicher, Gen. Pl. 1037 (1840). — Lindley, Veg. Kingd. 407 (1846).
- Linaceae* 3. *Reaumuriaceae* Horaninov, Tetractys Nat. 32 (1843), nom. subnud.; Char. Ess. Fam. Reg. Veg. 198 (1847).
- Linaceae* 4. *Tamariceae* Horaninov, l. c. (1843), nom. subnud.; op. cit. 199 (1847).
- REAUMURIA** Linnaeus, Syst. Nat., ed. 10, 2: 1081 (1759). — Bentham & Hooker f., Gen. Pl. 1: 161 (1862).
- Eichwaldia Ledebour* in Eichwald, Pl. Nov. Casp. 38, t. 34 (1833).
- Typus: *R. vermiculata* L.
- R. hypericoides** Willdenow, Sp. Pl. 2,2: 1250 (1800). — Lindley in Bot. Reg. 10: t. 845 (1824). — Schneider, Ill. Handb. Laubh. 2: 340 (1909).
- Reaumuria cistoides* Adam in Beitr. Naturk. Kiel (Weber & Mohr), 1: 61 (1805).
- Reaumuria linifolia* Salisbury in W. Hooker, Paradis. London. 1: 18, t. 18 (1805).
- Reaumuria vermiculata* sensu Bieberstein, Fl. Taur.-Cauc. 2: 17 (1808), non Linnaeus (1759).
- HOLOACHNE** Ehrenberg in Linnaea, 2: 273 (1827) "*Hololachna*." — Endlicher, Gen. Pl. 1037 (1840) "*Halolachna*." — Bentham & Hooker f., Gen. Pl. 1: 161 (1862).
- Schanginia* Sievers ex Pallas in Act. Nov. Acad. Sci. Petrop. 10,2 (Math.-Phys.): 375 (1797); 10,1 (Hist.): 237 (1797); pro syn.; non C. A. Meyer (1829).
- Typus: *Tamarix songarica* Pallas = *H. songarica* (Pallas) Ehrenb.
- H. songarica** (Pall.) Ehrenberg in Linnaea, 2: 273 (1827). — Steudel, Nomencl. Bot. ed. 2, 1: 773 (1841) "*soongarica*."
- Tamarix songarica* Pallas in Nov. Act. Acad. Sci. Petrop. 10,2 (Math.-Phys.): 374, t. 10, fig. 4 (1797); 10,1 (Hist.): 237 (1797). — Setudel, op. cit. 2: 661 (1841) "*soongorica*," pro syn.
- TAMARIX** Linnaeus, Sp. Pl. 270 (1753), exclud. sp. 2; Gen. Pl. ed. 5, 131, no. 337 (1754). — Bentham & Hooker f., Gen. Pl. 1: 160 (1862). — Niedenzu, De Gen. Tamarice (in Index Lect. Lyc. Hosian. 1895: 1-11) (1895); in Nat. Pflanzenfam. ed. 2, 21: 282 (1925). — G. Arendt, Beitr. Kenntn. Tamarix, 56 pp. 2 t. (1926).
- Tamariscus* Miller, Gard. Dict. abridg. ed. 4, 3 (1754), p. p.
- Trichaurus* Arnott in Wight & Arnott, Prodr. Fl. Ind. Or. 1: 40 (1834).
- LECTOTYPUS: *T. gallica* L.
- T. parviflora** De Candolle, Prodr. 3: 97 (1828). — Bunge, Tent. Gen. Tamaric. Sp. 32 (1852). — Rehder in Sargent, Pl. Wilson. 2: 406 (1915).
- Tamarix africana* sensu Reichenbach, Fl. Germ. Excurs. 587 (1832), non Poiret (1789).
- Tamarix tetrandra* sensu Grisebach, Spicil. Fl. Rumel. 1: 219 (1843), non Bieberstein (1808).
- Tamarix Petteri* Presl in sched. ex Bunge, Tent. Gen. Tamaric. Sp. 32 (1852), pro syn.
- ?*Tamarix caspica* [Hort. gall.] ex Dieck, Neuh.-Off. Nat.-Arb. Zöschchen, 1891: 27 (1891), nom. — Dippel, Handb. Laubh. 3: 9 (1893), nom.
- ?*Tamarix tetrandra* var. *purpurea* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1768 (1902), pro syn.
- T. tetrandra** Pallas in Nov. Act. Acad. Sci. Petrop. 10,2 (Math.-Phys.): 309 (Tabl. Phys.-topogr. Tauride, 49. 1796 (present. Jan. 1795) (1797), nom. — Bieberstein, Fl. Taur.-Cauc. 1: 247 (1808); 3: 252 (1819). — Bunge, Tent. Gen. Tamaric. Sp. 29 (1852).
- Tamarix taurica* Pallas, Phys.-topogr. Gemälde Taur.? (1795); in Nov. Act. Acad. Sci. Petrop. 10,2 (Math.-Phys.): 276 (1797).
- Tamarix Gallica* sensu Besser, Enum. Pl. Volhyn. Podol., 57 (1822), non Linnaeus (1753).
- Tamarix Africana* sensu Chaubard in Bory, Nouv. Fl. Pélopon. 20 (1838), non Poiret (1789).
- T. juniperina** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 102 (Enum. Pl. Chin.-Bor. 28. 1833) (1835); Tent. Gen. Tamaric. Sp. 45 (1852). — Rehder in Sargent, Pl. Wilson. 2: 407 (1915).
- Tamarix chinensis* sensu Siebold & Zuccarini, Fl. Jap. 1: 132, t. 71 [1840], non Loureiro (1790).
- T. africana** Poiret, Voy. Barbar. 2: 189 (1789). — Desfontaines, Fl. Atlant. 1: 269 (1798). — Bunge, Tent. Gen. Tamaric. Sp. 40 (1852).
- Tamarix Gallica* γ. *T. africana* Willdenow, Sp. Pl. 1,2: 1498 [1798].
- Tamarix praecox* Portenschlag in herb. ex Bunge, l. c. (1852), pro syn.
- T. hispida** Willdenow in Abh. Phys. Kl. Akad. Wiss. Berlin, 1812-13: 77 (1816). — Bunge, Tent. Gen. Tamaric. Sp. 69 (1852). — Schneider, Ill. Handb. Laubh. 2: 341, fig. 228a-d<sup>2</sup> (1909).
- Tamarix gallica* [var.] Falck, Beytr. Topogr. Kenntn. Russ. Reich. 2: 152 (1786) "Spielart."
- Tamarix pentandra* var. Pallas, Fl. Ross. 1,2: 72, t. 28 [79] [1788], exclud. fig. A-D.
- Tamarix tomentosa* Smith in Rees, Cyclop. 35: T. no. 2 [1817].
- Tamarix canescens* Desvaux in Ann. Sci. Nat. 4: 348 (1825).
- Tamarix gallica* sensu Basiner in Beitr. Kenntn. Russ. Reich. 15: 308 (Naturw. Reise Chiwa) (1848), non Linnaeus (1753).
- Tamarix Kaschgarica* Lemoine, Cat. no. 125: 13 (1893), nom. subnud.
- Tamarix hispida* var. *kashgarica* Anon. in Gard. Chron. ser. 3, 22: 337 (1897).
- T. anglica** Webb in Jour. Bot. (Hooker) 3: 430, t. 15 (1841). — Bunge, Tent. Gen. Tamaric. Sp. 65 (1852).
- Tamarix Gallica* sensu Sowerby, Engl. Bot. 19: t. 1318 (1804), non Linnaeus (1753).
- Tamarix (Gallica) subtilis* Ehrenberg in Linnaea, 2: 267 (1827).
- T. Karelini** Bunge, Tent. Gen. Tamaric. Sp. 68 (1852). — Boissier, Fl. Or. 1: 776 (1867).
- Tamarix Pallasii* var. *T. ramosissima* Ledeb. ex Karelin in Bull. Soc. Nat. Moscou 1839[12]: 154 (Enum. Pl. Turcom.) (1839).
- T. gallica** Linnaeus, Sp. Pl. 270 (1753). — Bunge, Tent. Gen. Tamaric. Sp. 61 (1852).
- Tamariscus pentandra* Lamarck, Fl. Franç. 3: 73 (1778).
- Tamariscus gallicus* Allioni, Fl. Pedem. 2: 87 (1785).
- Tamarix pentandra* Salisbury, Prodr. Stirp. Chap. Allert. 173 (1796), non Pallas (1788).
- Tamarix Gallica* var. *Narbonensis* Ehrenberg in Linnaea, 2: 267 (1827).
- T. pentandra** Pallas, Fl. Ross. 1,2: 72, t. 28 [79], fig. A-D

**Tamarix pentandra** (continued)

- (1788), exclud. var.; ed. 8°, 1,2: 144 (1790), exclud. var. — Stapf in Bot. Mag. 133: t. 8138 (1907).  
*Tamarix Pallasii* Desvau in Ann. Sci. Nat. 4: 349 (1825). — Bunge, Tent. Gen. Tamaric. Sp. 49 (1852).  
*Tamarix Gallica* a. *vulgaris* Ledebour, Fl. Ross. 2: 135 [1843], exclud. syn. plurib.  
*Tamarix Pallasii* a. *macrostemon* Bunge, Tent. Gen. Tamaric. Sp. 50 (1852).  
*Tamarix Gallica* var. *Pallasii* Kotschy ex Bunge, l. c. (1852).  
*Tamarix hispida* f. *aestivalis* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 347 (1903), nom.  
*Tamarix Amurensis* J. Meehan in Florists' Exch. 20: 344, t. 105 (1905). — Rehder in Bailey, Cycl. Am. Hort. [4]: 1709 (1902), pro syn.

- T. odessana** Steven ex Bunge, Tent. Gen. Tamaric. Sp. 47 (1852). — Niedenzu in Index Lect. Lyc. Hosian. Brunsb. 1895: 9 (De Gen. Tamarice) (1895).  
*Tamarix tetrandra* sensu Ledebour, Fl. Ross. 2: 133 [1843], p. p. quoad pl. odessan.

- T. chinensis** Loureiro, Fl. Cochinch. 1: 228 (1790). — Bunge, Tent. Gen. Tamaric. Sp. 46 (1852). — Rehder in Sargent, Pl. Wilson. 2: 406 (1915).  
*Tamarix (gallica)* b. *chinensis* Ehrenberg in Linnaea, 2: 267 (1827).  
*Tamarix indica* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 102 (Enum. Pl. Chin. Bor. 28. 1833) (1835). — Non Willdenow (1816).

- T. aphylla** (L.) Karsten, Deutsche Fl. Pharm.-Med. Bot. 641 [1882]. — Lanza in Boll. Ort. Bot. Palermo, 8: 82 (1909). — Chiovenda, Fl. Somalia, 1: 94, t. 46, fig. 4 (1929).

- Thuja aphylla* Linnaeus (praes.; resp. A. D. Juslenius) Cent. Pl. 1: 32 (1755); Amoen. Acad. 4: 295 (1788), exclud. syn.

- Tamarix orientalis* Forskål, Fl. Aegypt.-Arab. 206 (1775). — Desvau in Ann. Sci. Nat. 4: 349 (1825).

- Tamarix articulata* Vahl, Symb. Bot. 2: 48, t. 32 (1791). — Bunge, Tent. Gen. Tamaric. Sp. 73 (1852). — Trabut in Bull. Stat. Recherch. For. N. Afr. 1: 336, 8 fig. (Tlaia) (1926); in Inform. Agric. [Algeria] Bull. 68: 26 pp. 17 fig. (Tlaia) (1927).

- MYRICARIA** Desvau in Ann. Sci. Nat. 4: 349 (1825). — Bentham & Hooker f., Gen. Pl. 1: 161 (1862).

- Tamarix* Linnaeus, Sp. Pl. 270 (1753), quoad sp. 2.  
*Tamariscus* Medicus, Ein. Künstl. Geschl. Malvac. 113 (1787), non Miller (1754), nec Allioni (1772).

- Typus: *Tamarix germanica* L. = *M. germanica* (L.) Desv.

- M. germanica** (L.) Desvau in Ann. Sci. Nat. 4: 349 (1825). — Schneider, Ill. Handb. Laubh. 2: 344, fig. 230a-g (1909).

- Tamarix germanica* Linnaeus, Sp. Pl. 270 (1753). — Pallas, Fl. Ross. 1,2: 73, t. 80, fig. b [1788], *T. decandra* in tab.; ed. 8°, 1,2: 146 (1790); p. p.

- Tamariscus germanicus* Allioni, Fl. Carniol. ed. 2, 1: 224 (1772). — Medicus, Ein. Künstl. Geschl. Malvac. 113 (1787).

- Tamariscus decandra* Lamarck, Fl. Franç. 3: 74 (1778).

- Tamarix decandra* Pallas, Fl. Ross. 1,2: t. 80 [1788], in tab. tantum. — Salisbury, Prodr. Stirp. Chap. Allert. 173 (1796).

- M. davurica** (Willd.) Ehrenberg in Linnaea, 2: 278 (1827). — Schneider, Ill. Handb. Laubh. 2: 345, fig. 230h-k (1909) "dahurica."

- Tamarix germanica* Pallas, Fl. Ross. 1,2: 73, t. 80, fig. a (1788); ed. 8°, 1,2: 146 (1790), p. p.; non Linnaeus (1753).

- Tamarix davurica* Willdenow in Abh. Phys. Kl. Akad. Wiss. Berlin, 1812-13: 85 (Besch. Tamarix, 19 [1814?]). (1816).

- Myricaria squamosa* Desvau in Ann. Sci. Nat. 4: 349 (1825).

- Myricaria germanica* var. *squamosa* Maximowicz, Fl. Tangut. 96 (1889); Enum. Pl. Mongol. 112 (1889).

- Myricaria longifolia* β. *dahurica* Maximowicz, Enum. Pl. Mongol. 113, t. 9, fig. 10-12 (1889).

**Fam. CISTACEAE**

- CISTACEAE Horaninov, Prim. Lin. Syst. Nat. 89 (1834).

- Lindley, Nat. Syst. Bot. ed. 2, 91 (1836). — Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 357 (1836). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 161 pp., 22 fig. (Cistac.) (1903). — Janchen in Nat. Pflanzenfam. ed. 2, 21: 289 (1925).

- Cistoideae* Ventenat, Tabl. Règ. Vég. 3: 434 (1763), p. p.

- Cistineae* Batsch, Tabul. Aff. Reg. Veg. 60 (1802).

- Cisteae* Jaume St.-Hilaire, Expos. Fam. Nat. Pl. 2: 98, t. 89 (1805).

- Cistineae* [De Candolle, Théor. Elém. Bot. ed. 2, 244 (1819) "Cistinéés." —] Dunal in De Candolle, Prodr. 1: 263 (1824).

- CISTUS** Linnaeus, Sp. Pl. 523 (1753); Gen. Pl. ed. 5, 234, no. 598 (1754). — Bentham & Hooker f., Gen. Pl. 1: 113 (1862). — Dansereau in Boissiera, 4: 3-90 (1939).

- Anthelis* Rafinesque, Chloris Aetn. 9 (1813), p. p.

- Halimium* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 354 (1836), p. p.

- Ladanum* Spach in op. cit. 366 (1836).

- Rhodocistus* Spach in op. cit. 367 (1836).

- Stephanocarpus* Spach in op. cit. 368 (1836).

- Ledonia* Spach in op. cit. 369 (1836).

- Ladanum* Rafinesque, Sylva Tellur. 131 (1838).

- Libanotis* Rafinesque, op. cit. 132 (1838), p. p.

- Strobon* Rafinesque, l. c. (1838), p. p.

- LECTOTYPUS: *C. crispus* L.

- C. albidus** Linnaeus, Sp. Pl. 524 (1753). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 13, fig. 4d-f (1903).

- ?*Cistus incanus* Linnaeus, Sp. Pl. ed. 2, 738 (1762). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 16 (1903), pro syn.; in nota.

- Cistus tomentosus* Lamarck, Fl. Franç. 3: 168 (1788), non Scopoli (1772).

- Anthelis albidus* Rafinesque, Chlor. Aetn. 9 (1813).

- Cistus vulgaris* δ. *sessiliflorus* Spach, Hist. Nat. Vég. Phan. 6: 88 (1838).

- Cistus Bernardi*, *C. Lloverae*, *C. Pascalis* Sennen in Monde des Pl. 32: 23-24 (1931).

- Cistus albidus* f. *typicus* Dansereau in Boissiera, 4: 48 (1939).

- C. albidus** f. *albus* (Warb.) Dansereau, l. c. (1839).

- Cistus albidus* var. *albus* Warburg in Jour. Hort. Soc. Lond. 55: 24, fig. 5 (1930).

- C. pulverulentus** [*C. albidus* × *crispus*] Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 312 (1788).

- Cistus albido-crispus* Delile ex Grenier & Godron, Fl. France, 1: 165 (1848).

- Cistus incanus* Pourret mss. ex Clos in Mém. Acad. Sci. Toulouse, sér. 5, 2: 257 (1858), pro syn.

- Cistus albido-crispus* et *C. crispo-albidus* Timbal-Lagrange in Mém. Acad. Sci. Toulouse, sér. 5, 5: 45, 46 (1861).  
*Cistus Delilei* Burnat, Fl. Alp. Marit. 1: 163 (1892).  
*Cistus albidus* × *crispus* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 13 (1903).
- C. canescens** [*C. albidus* × *villosus*] Sweet, Cistin. t. 45 (1827).  
 ?*Cistus incanus* Curtis in Bot. Mag. 2: t. 43 (1790), non Linnaeus (1762).  
*Cistus albidus* × *villosus* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 14 (1903).
- C. crispus** Linnaeus, Sp. Pl. 524 (1753).—Grosser in op. cit. 13 (1903).—Dansereau in Boissiera, 4: 50 (1939).  
*Cistus vulgaris* e. *crispus* Spach, Hist. Nat. Vég. Phan. 6: 88 (1838).
- C. crispatus** (*C. crispus* × *villosus* var. *creticus*) Bornet ex O. Warburg in Jour. Hort. Soc. Lond. 55: 38, fig. 11 (1930).—Dansereau in Contrib. Inst. Bot. Univ. Montreal, 37: 9 (1941).
- C. varius** Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 312 (1788).—Timbal-Lagrange in Bull. Soc. Sci. Phys. Nat. Toulouse, 2(1874): 100 (Reliqu. Pourret.) [1875].—Dansereau in Boissiera, 4: 63 (1939).  
*Cistus Pouzolzii* Raffeneau-Delile, Suppl. Cat. Hort. Bot. Monspel. [an "Index Compl. Sem. H. B. M."?] (1839).—Grenier & Godron, Fl. France, 1: 163 (1843).  
*Cistus albido-monspeliensis* Timbal-Lagrange in Mém. Acad. Sci. Toulouse, sér. 5, 5: 55 (1861).  
*Cistus crispus* × *monspeleensis* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 30 (1903).
- C. villosus** Linnaeus, Gen. Pl. ed. 6, p. ultima (1764), emend.—Grosser in op. cit. 14 (1903).—Dansereau in Boissiera, 4: 54 (1939).  
*Cistus pilosus* Linnaeus, Sp. Pl. ed. 2, 1: 736 (1762), non Linnaeus (1753).  
*Cistus vulgaris* a. *villosus* Spach, Hist. Nat. Vég. Phan. 6: 87 (1838).  
*Cistus polymorphus* subsp. *villosus* a. *vulgaris* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 22, t. 81 [1857].—Rouy & Foucaud, Fl. France, 2: 261 (1895).  
*Cistus villosus* a. *verus* Freyn in Verh. Zool.-Bot. Ges. Wien, 27: 279 (1877).  
*Cistus incanus* β. *villosus* Fiori in Fiori & Paoletti, Fl. Anal. Ital. 1, 2: 400 (1898).  
*Cistus incanus* var. *Reichenbachii* Hochreutiner in Ann. Conserv. Jard. Bot. Genève, 7-8: 182 (1904).  
*Cistus villosus* var. *villosus* Janchen ex Schneider, Ill. Handb. Laubh. 2: 348 (1909); Janchen in Mitt. Naturw. Ver. Univ. Wien, 7: 13 (*Cistac. Oester.-Ung.*) (1909) "f."
- C. villosus** var. *tauricus* (Presl) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 14 (1903) "var. a."  
*Cistus salvifolius* sensu Pallas in Nov. Act. Acad. Sci. Petrop. 10: 312 (1797), nom.; non Linnaeus (1753).—Bieberstein, Fl. Taur.-Cauc. 2: 7 (1808) "*saluifolius*," pro syn.  
*Cistus tauricus* Presl, Delic. Prag. 24 (1822).  
*Cistus creticus* sensu Bieberstein, l. c. (1808), non Linnaeus (1762).  
*Cistus creticus* var. *tauricus* Dunal in De Candolle, Prodr. 1: 264 (1824).  
*Cistus polymorphus* subsp. *incanus* var. b. *orientalis* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 22, t. 80A,B (1856).
- Cistus villosus* a. *genuinus* Boissier, Fl. Or. 1: 437 (1867), p. p.  
*Cistus incanus* a. *typicus* Halácsy, Consp. Fl. Graec. 1: 127 (1901), non *C. i.* Linnaeus (1762).
- C. villosus** var. *undulatus* Dansereau in Boissiera, 4: 59 (1939).  
*Cistus creticus* Linnaeus, Sp. Pl. ed. 2, 1: 738 (1762).  
*Cistus garganicus* Tenore, Syll. Fl. Neap. 256 (1831).  
*Cistus vulgaris* β. *undulatus* Spach, Hist. Nat. Vég. Phan. 6: 88 (1838), p. p.  
*Cistus creticus* a. *genuinus*, β. *Tenorei*, γ. *Jacquini*, δ. *Morisii* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 25, 26, t. 83 (1856).  
*Cistus polymorphus* subsp. *villosus* b. *viscidus* β. *rumelicus* Willkomm, op. cit. 24, t. 82 (1856).  
*Cistus villosus* var. *creticus* (L.) Boissier, Fl. Or. 1: 437 (1867).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 16 (1903).—Janchen in Mitt. Naturwiss. Ver. Univ. Wien, 7: 18 (1919) "f."  
*Cistus incanus* β. *creticus* Parlatore, Fl. Ital. 5: 575 (1873).  
*Cistus creticus* a. *typicus* et β. *garganicus* Halácsy, Consp. Fl. Graec. 1: 128 (1901).
- C. purpureus** [*C. ladaniferus* × *villosus*] Lamarck, Encycl. Méth. Bot. 2: 14 (1790).  
*Cistus quinquevulnerus* Visiani in Atti Istit. Venet. Sci. ser. 3, 4: 138 (1858-59).  
*Cistus ladaniferus* × *villosus* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 28 (1903).
- C. cultorum** (*C. laurifolius* × *villosus*) Moldenke in Phytologia, 2: 216 (1947).  
*Cistus villosus* × *laurifolius* Rehder, Man. Cult. Trees Shrubs, ed. 2, 646 (1940).
- C. heterophyllus** Desfontaines, Fl. Atlant. 1: 410, t. 104 (1800).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 14 (1903).—Dansereau in Boissiera, 4: 52 (1939).  
*Cistus vulgaris* γ. *heterophyllus* Spach, Hist. Nat. Vég. Phan. 6: 89 (1838).  
*Cistus asperifolius* Pomel, Nouv. Mat. Fl. Atl. 355 (1875).
- C. complicatus** Lamarck, Encycl. Méth. Bot. 2: 14 (1790).  
*Cistus parviflorus* Lamarck, l. c. (1790).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 17, fig. 4G-J (1903).—Non Gateau (1789).  
*Cistus lilacinus* Hoffmannsegg, Verz. Pflanzenkult. 51 (1824), pro syn.  
*Cistus incanus* Sibthorp & Smith, Fl. Graec. 5: 76, t. 494 (1825).  
*Cistus parviflorus* a. *brevifolius* et β. *spathulatus* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 28 [1858].
- C. Skanbergii** (*C. monspeliensis* × *parviflorus*) Lojaccono-Pojero in Naturalista Sicil. 4: 95 (1885).  
*Cistus monspeliensis* × *parviflorus* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 29 (1903).
- C. monspeliensis** Linnaeus, Sp. Pl. 524 (1753).—Grosser in Engler, Pflanzenreich, IV. 193: (Heft 14): 17, fig. 5A-C (1903).—Dansereau in Boissiera, 4: 65 (1939).  
*Cistus oleaeifolius* Miller, Gard. Dict. ed. 8, C. no. 10 (1768).  
*Cistus collinus* Salisbury, Prodr. Stirp. Chap. Allert. 368 (1796).  
*Stephanocarpus monspeliensis* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 369 (1836); Hist. Nat. Vég. Phan. 6: 82 (1838).  
*Cistus affinis* Bertoloni ex Gussone, Fl. Sicul. 2: 12 (1843).

**Cistus monspeliensis** (*continued*)

- Cistus monspeliensis* *a. vulgaris* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 30 (1856).
- Cistus monspeliensis* *β. minor* Willkomm, l. c. (1856). — Rouy & Foucaud, Fl. France, 2: 263 (1895) "γ."
- Cistus monspeliensis* *β. major* Rouy & Foucaud, l. c. 263 (1895).
- Cistus monspeliensis* *f. typicus* Dansereau in Boissiera, 4: 66 (1939).
- C. nigricans** [*C. monspeliensis* × *populifolius*] Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 311 (1788). — Timbal-Lagrave in Bull. Soc. Sci. Phys. Nat. Toulouse, 2 (1874): 96 (Reliqu. Pourret) [1875].
- Cistus longifolius* Lamarck, Encycl. Méth. Bot. 2: 16 (1790). — Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 33, t. 89 (1856).
- Ledonia heterophylla* Spach, Hist. Nat. Vég. Phan. 6: 77 (1838).
- Cistus monspeliensis*-*populifolius* Timbal-Lagrave in Mém. Acad. Sci. Toulouse, sér. 5, 5: 50 (Étude Quelq. Cist. Narbonne, 25) (1861).
- Cistus monspeliensis* × *populifolius* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 31, fig. 8 (1903), exclud. syn. Aiton.
- C. Hetieri** (*C. ladaniferus* × *laurifolius* × *monspeliensis*) Verguin in Bull. Soc. Bot. France, 73: 4 (1926).
- C. glaucus** [*C. laurifolius* × *monspeliensis*] Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 311 (1788). — Willkomm & Lange, Prodr. Fl. Hisp. 3: 709 (1880).
- Cistus Ledon* Lamarck, Encycl. Méth. Bot. 2: 17 (1790). — Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 32, t. 88 (1856).
- Cistus ledonius* St.-Lager in Ann. Soc. Bot. Lyon, 7: 122 (1880).
- Cistus recognitus* Rouy & Foucaud, Fl. France, 2: 276 (1895).
- Cistus monspeliensis* × *laurifolius* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 28 (1903).
- C. hirsutus** Lamarck, Encycl. Méth. Bot. 2: 17 (1790). — Grosser in op. cit. 19 (1903).
- Cistus laxus* Brotero, Phytogr. Lusit. Icon. Ill. 1: 185, t. 75 (1816), non Aiton (1811).
- Ledonia hirsuta* Spach, Hist. Nat. Vég. Phan. 6: 79 (1838).
- Cistus hirsutus* var. *a. vulgaris* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 36 (1856).
- C. hirsutus** var. *psilosepalus* (Sweet) Willkomm, l. c. (1856).
- Cistus psilosepalus* Sweet, Cistin. t. 33 [1826].
- C. platysepalus** [*C. hirsutus* × *monspeliensis*] Sweet, Cistin. t. 47 [1827].
- Cistus hirsutus* × *monspeliensis* Daveau in Bol. Soc. Broter. 4: 77 (Cist. Portug. 65) (1886). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 30 (1903).
- C. obtusifolius** [*C. hirsutus* × *salvifolius*] Sweet, Cistin. t. 42 [1827].
- Cistus hirsutus* × *salvifolius* Grosser in op. cit. 19 (1903).
- C. laxus** [*C. hirsutus* × *populifolius*] Aiton f., Hort. Kew. ed. 2, 3: 305 (1811). — Sweet, Cistin. t. 12 [1825]. — Warburg in Jour. Hort. Soc. Lond. 55: 41, fig. 12 (1930).
- C. lusitanicus** [*C. hirsutus* ? × *ladaniferus*] Maund in Bot. Gard. (Maund), 7: no. 649, t., fig. 1 [183.?] ; n. ed. (J. C. Niven) 4: 31, t. 130, f. 4 (1878), nom. subnud. — Warburg in Jour. Hort. Soc. Lond. 55: 47, fig. 9 (1930). — Non Miller (1768), spec. dub.
- Cistus recognitus* Hort. ex A. T. Johnson in Garden, 90: 447, fig. 1 (1926), non Rouy & Foucaud (1895).
- C. lusitanicus** var. *decumbens* Maund in Bot. Gard. (Maund), 9: no. 799, t. fig. 3 [184.?] ; n. ed. (J. C. Niven) 4: 178, t. 160, fig. 4 (1878). — Warburg in Jour. Hort. Soc. Lond. 55: 47, fig. 8, 14 (1930).
- Cistus Loretii* Hort. ex Anon. in Garden, 75: 632, fig. (1911). — Sprague in Bot. Mag. 139: t. 8490 (1913) "Loreti." — C. Aubrey in Gard. Chron. ser. 3, 66: 27, fig. 11 (1919) "Loretii." — Non Rouy & Foucaud (1895).
- C. salvifolius** Linnaeus, Sp. Pl. 524 (1753). — Grosser in Engler, Pflanzenreich, IV. 193: (Heft 14): 20, fig. 5D-F (1903). — Dansereau in Boissiera, 4: 70 (1939), cum syn. plurib.
- Cistus Sideritis* Presl, Fl. Sicul. 116 (1826).
- Ledonia peduncularis* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 369 (1836), p. p.; Hist. Nat. Vég. Phan. 6: 73 (1838).
- Ledonia peduncularis a. salviaefolia* Spach, op. cit. 73 (1838).
- Cistus salvifolius* var. *a. vulgaris* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 38 [1858].
- Ledonia salviaefolia* Fourreau in Ann. Soc. Linn. Lyon, 16: 339 (1868).
- C. hybridus** [*C. populifolius* × *salvifolius*] Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 312 (1788). — Dansereau in Contrib. Inst. Bot. Univ. Montreal, 37: 7 (1941).
- Cistus corbariensis* Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 312 (1788), nom., in obs. — Sweet, Cistin. t. 8 [1825]. — Rouy & Foucaud, Fl. France, 2: 272 (1895). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 647 (1940).
- ?*Cistus populifolius* *β. minor* Dunal in De Candolle, Prodr. 1: 266 (1824).
- Cistus acuminatus* Sweet, Cistin. t. 78 (1828).
- Ledonia peduncularis* *β. cordifolia* Spach, Hist. Nat. Vég. Phan. 6: 73 (1838).
- Cistus longifolius*-*populifolius* ? Grenier & Godron, Fl. France, 1: 164 (1848) "mss.", pro syn.
- Cistus petiolatus* ? Marttrin-Donos, Herbor. Midi France, 6 (1854); in Bull. Soc. Bot. France, 2: 122 (1855). — Rouy & Foucaud, Fl. France, 2: 273 (1895). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 21 (1903) "petiolaris" sphalm. — Non Poiret (1811).
- Cistus salviaefolius*-*populifolius* Timbal-Lagrave in Mém. Acad. Sci. Toulouse, sér. 5, 5: 43 (1861).
- Cistus populifolius*-*salvifolius* Rouy & Foucaud, Fl. France, 2: 273 (1895), pro syn.
- Cistus Ponsi* Rouy & Foucaud, l. c. (1895).
- Cistus populifolius* × *salvifolius* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 22 (1903).
- C. florentinus** [*C. monspeliensis* × *salvifolius*] Lamarck, Encycl. Méth. Bot. 2: 17 (1786). — Rouy & Foucaud, Fl. France, 2: 270 (1895).
- Cistus porquerollensis* Hanry & Huet in Bull. Soc. Bot. France, 7: 345 (1860).
- Cistus monspeliensis*-*salviaefolius* Timbal-Lagrave in Bull. Soc. Sci. Phys. Nat. Toulouse, 2 (1874): 90, in nota [1875].
- Cistus olbiensis* Hanry & Huet in op. cit. 346 (1860).
- Cistus valentinus* Pourret ex Nyman, Conspect. Fl. Eur. 71 (1878).

- Cistus feredjensis* Battandier in Bull. Soc. Bot. France, **30**: 263 (1883).  
*Cistus florentinus* a. *genuinus* Rouy & Foucaud, Fl. France, **2**: 270 (1895).  
*Cistus Flichei* Foucaud & Simon, Trois Sem. Herbor. Corse, 171 (1898).  
*Cistus monspeliensis*  $\times$  *salvifolius* Grosser in Engler, Pflanzenreich, IV. **193** (Heft 14): 30 (1903).
- C. Pecchii** (*C. laurifolius*  $\times$  *salvifolius*) Pourret ex Timbal-Lagrange in Bull. Soc. Sci. Phys. Nat. Toulouse, **2** (1874): 90 [1875].—Rouy & Foucaud, Fl. France, **2**: 277 (1895).  
*Cistus laurifolius*  $\times$  *salvifolius* Coste in Bull. Soc. Bot. France, **33**: 20 (1886).—Grosser in Engler, Pflanzenreich, IV. **193** (Heft 14): 29 (1903).  
*Cistus laurifolius-salviaefolius* E. G. Camus, Cat. Pl. France, 32 (1888), nom.  
*Cistus Costei* Camus ex Grosser, l. c. (1903), pro syn.—Camus ex O. Warburg in Jour. Hort. Soc. Lond. **55**: 48 (1930).
- C. populifolius** Linnaeus, Sp. Pl. 524 (1753).—Grosser in op. cit. 21 (1903).  
*Cistus cordifolius* Miller, Gard. Dict. ed. 8, C. no. 12 (1768).  
*Cistus latifolius* Sweet, Cistin. t. 15 [1826].  
*Cistus Cupianus* Sweet, op. cit. t. 70 [1828].  
*Libanotis populifolius* Rafinesque, Sylva Tellur. 132 (1838).  
*Ledonia populifolia* Spach, Hist. Nat. Vég. Phan. **6**: 75 (1838).
- C. ladaniferus** Linnaeus, Sp. Pl. 523 (1753).—Grosser in Engler, Pflanzenreich, IV. **193** (Heft 14): 23 (1903).—Dansereau in Boissiera, **4**: 78 (1939).  
*Cistus viscosus* Stokes, Bot. Mat. Med. **3**: 209 (1812).  
*Cistus ladanosma* Hoffmannsegg, Verz. Pflanzenkult. 90 (1824).  
*Cistus ladaniferus angustifolius* Hort. ex Hoffmannsegg, l. c. (1824), pro syn.  
*Ladanum officinarum* Spach, Hist. Nat. Vég. Phan. **6**: 59 (1838).  
*Ladanum verum* Rafinesque, Sylva Tellur. 131 (1838).  
*Cistus grandiflorus* Pourret ex Timbal-Lagrange in Bull. Soc. Sci. Phys. Nat. Toulouse, **2** (1874): 94 [1875], non Scopoli (1772), nec Tausch (1836).
- C. ladaniferus** f. *albiflorus* (Dunal) Dansereau in Boissiera, **4**: 78 (1939) "var. *albiflorus* f. a."  
*Cistus ladaniferus* a. *albiflorus* Dunal in De Candolle, Prodr. **1**: 266 (1824).—Grosser in Engler, Pflanzenreich, IV. **193** (Heft 14): 24 (1903).  
*Cistus ladaniferus* a. *genuinus* [Daveau] in Bol. Soc. Broter. **4**: 44 (Cist. Portug. 32) (1886).  
*Cistus ladaniferus immaculatus* Wm. Lawrence in Garden, **89**: 356, fig. (1925).
- C. ladaniferus** f. *maculatus* (Dun.) Dansereau in Boissiera, **4**: 80 (1939) "var. *albiflorus* f. m."  
*Cistus ladaniferus*  $\beta$ . *maculatus* Dunal in De Candolle, Prodr. **1**: 266 (1824).
- C. Verguinii** (*C. ladaniferus*  $\times$  *salvifolius*) Coste & Soulié in Bull. Soc. Bot. France, **55**: 47 (1908).  
*Cistus ladanifero*  $\times$  *salviaefolius* [Daveau] in Bol. Soc. Broter. **4**: 79 (Cistin. Portug. 67) (1886).
- C. laurifolius** Linnaeus, Sp. Pl. 523 (1753).—Grosser in Engler, Pflanzenreich, IV. **193** (Heft 18): 24 (1903).—Dansereau in Boissiera, **4**: 76 (1939).
- Cistus floribundus* Tausch in Flora, **19**: 417 (1836).  
*Ladanium laurifolium* Spach, Hist. Nat. Vég. Phan. **6**: 66 (1838).  
*Cistus laurifolius* var. *typicus* Dansereau in Boissiera, **4**: 77 (1939).
- C. cyprius** [*C. ladaniferus*  $\times$  *laurifolius*] Lamarck, Encycl. Méth. Bot. **2**: 16 (1766).—Boissier, Fl. Or. **1**: 439 (1867).  
*Cistus grandiflorus* Tausch in Flora, **19**: 419 (1836).  
*Ladanium cyprium* Spach, Hist. Nat. Vég. Phan. **6**: 68 (1838).  
*Cistus ladanifero-laurifolius* Timbal-Lagrange in Bull. Soc. Sci. Phys. Nat. Toulouse, **2** (1874): 92, in nota [1875].  
*Cistus ladaniferus*  $\times$  *laurifolius* Grosser in Engler, Pflanzenreich, IV. **193** (Heft 14): 25 (1903).
- HALIMIOCISTUS** (*Cistus*  $\times$  *Halimium*) Janchen in Nat. Pflanzenfam. ed. 2, **21**: 304 (1925), nom. subnud.—Dansereau in Nuov. Giorn. Bot. Ital. **46**: 357 (1939).
- H. Sahucii** (*C. salvifolius*  $\times$  *H. umbellatum*) (Coste & Soulié) Warburg in Jour. Hort. Soc. Lond. **55**: 49 (1930).  
*Cistus Sahucii* (*C. salviaefolius*  $\times$  *umbellatus*) Coste & Soulié in Bull. Soc. Bot. France, **58**: 323, 416 (1911).
- H. wintonensis** [*C. salvifolius*  $\times$  *H. lasianthum*] Warburg in Jour. Hort. Soc. Lond. **55**: 49 (1930).—Bean, Trees Shrubs Brit. Isl. **3**: 183 (1933).—Dansereau in Nuov. Giorn. Bot. Ital. **46**: 359 (1939).  
*Cistus wintonensis* Hillier ex Garden, **90**: 272 (1926); ex Jour. Hort. Soc. Lond. **52** (Proceed.): li (1927), nom. subnud.—Hillier & Sons, [Cat.] **1928-9**: 119 (1928) "wintoniensis."
- HALIMIUM** (Dunal) Spach in Ann. Sci. Nat. Bot. sér. 2, **6**: 365 (1836), p. p.—Willkomm, Icon. Descr. Pl. Nov. Eur. **2**: 52 (1856).—Grosser in Engler, Pflanzenreich IV. **193** (Heft 14): 33 (1903).  
*Cistus* Linnaeus, Sp. Pl. 523 (1753), p. p.  
*Helianthemum* Miller, Gard. Dict. ed. 8 (1768), p. p.  
*Antheis* Rafinesque, Chloris Aetn. 9 (1813); Sylva Tellur. 132 (1838).  
*Taeniostemma* Spach in Comp. Bot. Mag. **2**: 289 (1836); in Ann. Sci. Nat. Bot. sér. 2, **6**: 371 (1836).  
*Heteromeris* Spach in op. cit. 290 (1836); in op. cit. 370 (1836).  
*Strobon* Rafinesque, Sylva Tellur. 132 (1838), p. p.  
*Libanotis* Rafinesque, l. c. (1838).  
*Stegitris* Rafinesque, op. cit. 133 (1838).  
LECTOTYPUS: *Helianthemum umbellatum* L. = *Halimium umbellatum* (L.) Spach.
- H. umbellatum** (L.) Spach, Hist. Nat. Vég. Phan. **6**: 61 (1838).—Grosser in Engler, Pflanzenreich, IV. **193** (Heft 14): 42 (1903).—Stapf in Bot. Mag. **152**: t. 9141 (1928).  
*Cistus umbellatus* Linnaeus, Sp. Pl. 524 (1753).  
*Helianthemum umbellatum* Miller, Gard. Dict. ed. 8, H. no. 5 (1768).  
*Cistus anthurus* Link in Neu. Jour. für Bot. (Schrader) **1**: 112 (1805).  
*Libanotis umbellata* Rafinesque, Sylva Tellur. 132 (1838).  
*Helianthemum anthurum* Link ex Steudel, Nomencl. Bot. ed. 2, **1**: 733 (1840).  
*Cistus verticilliflorus* Link ex Steudel, l. c. (1840), pro syn.  
*Halimium umbellatum* f. *vulgare* Willkomm, Icon. Descr. Pl. Nov. Eur. **2**: 53, t. 100, fig. 1 (1856).



**Halimium umbellatum** (continued)

*Cistus ciliatus* Pourret ex Nyman, Comp. Fl. Eur. 72 (1878), pro syn.

**H. Libanotis** (L.) Lange in Vidensk. Meddel. Naturh. For. Kjøbenh. ser. 2, 7: 90 (Pugill. Pl. Hisp. 285) (1865). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 43, fig. 10A-B (1903).

*Cistus libanotis* Linnaeus, Sp. Pl. ed. 2, 1: 739 (1762).

*Helianthemum libanotis* Willdenow, Enum. Pl. Hort. Berol. 2: 570 (1809).

*Helianthemum rosmarinifolium* Lagasca ex Dunal in De Candolle, Prodr. 1: 267 (1824), pro syn.; non Pursh (1814).

*Halimium rosmarinifolium* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 366 (1836), nom.; Hist. Nat. Vég. Phan. 6: 62 (1838).

*Helianthemum libanoticum* St.-Lager in Ann. Soc. Bot. Lyon, 7: 124 (1880).

**H. lasianthum** (Lam.) Spach, Hist. Nat. Vég. Phan. 6: 58 (1838), p. p. — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 38 (1903).

*Cistus lasianthus* Lamarck, Encycl. Méth. Bot. 2: 19 (1790).

*Cistus formosus* Curtis in Bot. Mag. 8: t. 264 (1794).

*Helianthemum lasianthum* Persoon, Syn. Pl. 2: 76 (1807).

*Helianthemum formosum* Dunal in De Candolle, Prodr. 1: 268 (1824).

*Stegitris lasiantha* Rafinesque, Sylva Tellur. 132 (1838), nom. altern.

*Helianthemum lasianthum* β. *cheiranthoides* Spach, Hist. Nat. Vég. Phan. 6: 58 (1838).

*Halimium formosum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 59, t. 102, fig. A (1856).

*Halimium eriocephalum* a. *laevigatum* Willkomm, op. cit. 63 (1856).

*Halimium lasianthum* f. 1. *formosum* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 38 (1903).

**H. halimifolium** (L.) Willkomm & Lange, Prodr. Fl. Hisp. 3: 717 (1880). — Grosser in op. cit. 39 (1903).

*Cistus halimifolius* Linnaeus, Sp. Pl. 524 (1753).

*Helianthemum halimifolium* Willdenow, Enum. Pl. Hort. Berol. 2: 569 (1809).

*Helianthemum lepidotum* Spach, Hist. Nat. Vég. Phan. 6: 56 (1838).

*Strobon halimifolium* Rafinesque, Sylva Tellur. 132 (1838).

*Halimium lepidotum* a. *planifolium* Willkomm, Icon. Descr. Pl. Eur. 2: 66, t. 107 (1856).

*Halimium halimifolium* a. *planifolium* Willkomm & Lange, Prodr. Fl. Hisp. 3: 717 [1878]. — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 41, fig. 10C-H (1903) "f."

**H. halimifolium** f. **multiflorum** (Dunal) Grosser, l. c. (1903).

*Helianthemum multiflorum* Salzmann ex Dunal in Mém. Acad. Sci. Montpell. 1: 2 (Petit Bouq. Médit.) (1847).

*Helianthemum multiflorum* a. *macrophyllum* et β. *microphyllum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 67, t. 108 (1856), exclud. syn. Lamarck.

*Helianthemum halimifolium* var. *multiflorum* Durand & Schinz, Consp. Fl. Afr. 1, 2: 196 (1898).

**H. cheiranthoides** [*H. alyssoides* × *halimifolium*] (Lam.) K. Koch, Hort. Dendr. 32 (1853).

*Cistus cheiranthoides* Lamarck, Encycl. Méth. Bot. 2: 19 (1790).

*Helianthemum cheiranthoides* Persoon, Syn. Pl. 2: 76 [1806].

*Halimium occidentale* b. *incanum* a. *xanthostemon* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 61 (1856), p. p. quoad pl. Link.

*Halimium alyssoides* × *halimifolium* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 38 (1903).

**H. alyssoides** (Lam.) K. Koch, Hort. Dendr. 32 (1853). — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 37 (1903).

*Cistus scabrosus* Aiton, Hort. Kew. 2: 236 (1789).

*Cistus alyssoides* Lamarck, Encycl. Méth. Bot. 2: (1790).

*Helianthemum alyssoides* Ventenat, Choix Pl. Jard. Cels, t. 20 (1803).

*Helianthemum scabrosus* Persoon, Syn. Pl. 2: 76 (1807).

*Halimium lasianthum* a. *alyssoides* Spach, Hist. Nat. Vég. Phan. 6: 58 (1838).

*Halimium occidentale* var. a. *virescens* a. *vulgare* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 60 [1859].

*Halimium alyssoides* var. a. *vulgare* (Willk.) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 37 (1903).

**H. ocymoides** (Lam.) Willkomm & Lange, Prodr. Fl. Hisp. 3: 715 (1880). — Grosser in op. cit. 36 (1903).

*Cistus ocymoides* Lamarck, Encycl. Méth. Bot. 2: 18 (1790).

*Cistus algarvensis* Sims in Bot. Mag. 17: t. 627 (1803) "algarvense."

*Helianthemum ocymoides* Persoon, Syn. Pl. 2: 76 [1806].

*Helianthemum algarvense* Dunal in De Candolle, Prodr. 1: 268 (1824).

*Stegitris algarviensis* Rafinesque, Sylva Tellur. 132 (1838), nom. altern.

*Halimium heterophyllum* Spach, Hist. Nat. Vég. Phan. 6: 52 (1838).

*Helianthemum heterophyllum* Steudel, Nomencl. Bot. ed. 2, 1: 734 (1840).

**CROCANTHEMUM** Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 370 (1836). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 539 (1913). — Janchen in Nat. Pflanzenfam. ed. 2, 21: 305 (1925).

*Helianthemum* sect. *Lecheoides* Dunal in De Candolle, Prodr. 1: 269 (1824).

*Anthelis* subgen. *Horanthes* Rafinesque, New Fl. N. Am. 3: 30 [1838].

*Horanthes* Rafinesque, Sylva Tellur. 132 (1838).

*Halimium* sect. *Lecheoides* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 33 (1903).

**C. canadense** (L.) Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 540, fig. 2910 (1913).

*Cistus canadensis* Linnaeus, Sp. Pl. 526 (1753).

*Helianthemum canadense* Michaux, Fl. Bor.-Am. 1: 308 (1803).

?*Helianthemum ramuliflorum* Michaux, op. cit. 307 (1803).

?*Anthelis arenaria* Rafinesque, New Fl. N. Am. 3: 31 [1838].

?*Horanthes arenaria* Rafinesque, Sylva Tellur. 133 (1838).

*Halimium canadense* (L.) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 51 (1903).

**HELIANTHEMUM** Miller, Gard. Dict. abridg. ed. 4, 2: (1754). — St.-Lager in Ann. Soc. Bot. Lyon, 7: 127 (1880), p. p. "*Helianthemum*." — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 61 (1903). — Fernald in Rhodora, 43: 609-615, t. 689-691 (1941).

*Cistus* Linnaeus, Sp. Pl. 523 (1753), p. p.

- Psistus* Necker, Elem. Bot. 273 (1790), p. p.  
*Platonia* Rafinesque, Caratt. Nuov. Gen. Sp. Sicil. 73 (1810), nom. subnud.; non Rafinesque (1808).  
*Anthelis* Rafinesque, Chloris Aetn. 9 (1813), p. p.; Sylva Tellur. 132 (1838), p. p.  
*Rhodax* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 363 (1836).  
*Psistina* Rafinesque, Sylva Tellur. 133 (1838).  
*Aphananthemum* Steudel, Nomencl. Bot. ed. 2, 1: 111 (1840).  
LECTOTYPUS: *Cistus nummularius* L. = *H. nummularium* (L.) Mill.
- H. apenninum** (L.) Miller, Gard. Dict. ed. 8, *H.* no. 4 (1768).—Lamarck & De Candolle, Fl. Franç. 4: 824 (1805).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 71 (1903) "*apenninum*."  
*Cistus apenninus* Linnaeus, Sp. Pl. 529 (1753).  
*Cistus polifolius* Linnaeus, Sp. Pl. ed. 2, 745 (1762).—Hudson, Fl. Angl. 205 (1762) "*poliifolius*."  
*Helianthemum germanicum* Miller, Gard. Dict. ed. 8, *H.* no. 2 (1768).  
*Cistus pilosus* Allioni, Fl. Pedem. 2: 104, t. 45, Fig. 1, 2 (1785).  
*Cistus splendens* Lamarck, Encycl. Méth. Bot. 2: 26 (1790).  
*Cistus pulverulentus* Thuillier, Fl. Envir. Paris, 267 (1790), non Pourret (1788).  
*Helianthemum pulverulentum* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 823 (1805).  
*Helianthemum polifolium* Persoon, Syn. Pl. 2: 80 [1806].  
*Cistus piliferus* Gmelin, Fl. Bad. Alsat. 4: 405 (1826).  
*Helianthemum polifolium* a. *oblongifolium* Koch, Syn. Fl. Germ. Helv. 82 (1837).  
*Helianthemum polifolium* b. *angustifolium* Koch, l. c. (1837).  
*Fumana polifolia* Rafinesque, Sylva Tellur. 132 (1838).  
*Helianthemum controversum* n. *polifolium* F. W. Schultz, Fl. Pfalz, 60 (1840).  
*Helianthemum velutinum* Jordan in Ann. Soc. Linn. Lyon, 1845-46: 193, t. 2, fig. A1-11 (Obs. Plus. Pl. Nouv. 3: 35. 1846) (1847).—Fritsch, Exkursionsfl. Oester. 379 (1897).  
*Helianthemum calcareum* Jordan, Cat. Jard. Bot. Grenoble, 16 (1849).  
*Helianthemum polifolium* e. *latifolium* Rouy & Foucaud, Fl. France, 2: 301 (1895).  
*Helianthemum apenninum* f. 1. *polifolium* (L.) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 72 (1903).—Sampaio in Bol. Soc. Broter. ser. 2, 11: 131 (1931) "var."  
*Helianthemum apenninum* f. 2. *pulverulentum* (Thuill.) Grosser, l. c. (1903).  
*Helianthemum apenninum* var. a. *oblongifolium* Schneider, Ill. Handb. Laubh. 2: 351 (1909).  
*Helianthemum apenninum* var. b. *angustifolium* Schneider, l. c. (1909).
- H. apenninum** var. *roseum* (Jacq.) Schneider, l. c. (1909).  
*Cistus roseus* Jacquin, Hort. Bot. Vindob. 3: t. 65 (1776).  
*Helianthemum roseum* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 822 (1805).  
*Helianthemum rhodanthum* Dunal in De Candolle, Prodr. 1: 282 (1824).  
*Helianthemum pulverulentum* d. *roseum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 110, t. 138c (1856).  
*Helianthemum apenninum* f. 5. *roseum* (Jacq.) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 73 (1903).  
*Helianthemum apenninum* var. *rhodanthum* (Sweet) Bean, Trees Shrubs Brit. Isl. 2: 612 (1914).
- H. apenninum** f. *versicolor* (Sweet) Grosser, l. c. (1903).—Rehder, Man. Cult. Trees Shrubs, 636 (1927) "var."  
*Helianthemum versicolor* Sweet, Cistin. t. 26 [1826].
- H. pilosum** (L.) Benthām, Cat. Pl. Pyrén. 87 (1826).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 69 (1903).  
*Cistus pilosus* Linnaeus, Sp. Pl. 528 (1753).  
*Xolanthes racemosus* Rafinesque, Sylva Tellur. 132 (1838).  
*Helianthemum variabile* var. *linearifolium* Spach, Hist. Nat. Vég. Phan. 6: 28 (1838), p. p.
- H. glaucum** (Cav.) Persoon, Syn. Pl. 2: 78 [1806].—Boissier, Voy. Bot. Espagne 2: 70 (1839).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 78 (1903).  
*Cistus glaucus* Cavanilles, Icon. Descr. Pl. Hisp. 3: 31 (1794).  
*Anthelis glaucus* Rafinesque, Chloris Aetn. 9 (1813).  
*Helianthemum variabile* γ. *hololeucum* Spach, Hist. Nat. Vég. Phan. 6: 27 (1838).
- H. glaucum** var. *croceum* (Desf.) Boissier, Voy. Bot. Espagne, 2: 70 (1839) "a."—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 78 (1909).  
*Cistus croceus* Desfontaines, Fl. Atlant. 1: 422, t. 110 (1800).  
*Helianthemum croceum* Persoon, Syn. Pl. 2: 79 [1806].  
*Helianthemum glaucum* sensu Battandier & Trabut, Fl. Algér. 100 (1888), non Persoon (1807).  
*Helianthemum glaucum* var. *croceum* f. 1. *genuinum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 119 (1856).
- H. nummularium** (L.) Miller, Gard. Dict. ed. 8, *H.* no. 12 (1768), p. p. typ.—Dunal in De Candolle, Prodr. 1: 280 (1824).—Janchen in Oester. Bot. Zeitschr. 58: 413, 429 (1908).—Schneider, Ill. Handb. Laubh. 2: 351, fig. 234s-v (1909).—Briquet & Cavillier in Ann. Conserv. Jard. Bot. Genève, 20: 245 (1918).  
*Cistus nummularius* Linnaeus, Sp. Pl. 527 (1753).  
*Helianthemum vulgare* [Garsault, Fig. Pl. Anim. Us. Médec. 3: t. 297 (1764).—Gaertner, Fruct. Sem. Pl. 1: 371 (1788).  
*Helianthemum tomentosum* Smith, Engl. Bot. 31: t. 2208 (1810).  
*Helianthemum vulgare* a. *tomentosum* Benthām, Cat. Pl. Pyrén. 88 (1826).  
*Helianthemum vulgare* a. *discolor* Reichenbach, Fl. Germ. Excurs. 714 (1832).—Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 113 (1856) "a. *genuinum* β. d."  
*Helianthemum variabile* β. *discolor* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 362 (1836).  
*Helianthemum controversum* e. *tomentosum* F. W. Schultz, Fl. Pfalz, 59 (1846), p. p.  
*Helianthemum Cordi* Ruprecht, Fl. Caucas. 1: 141 (1869).  
*Helianthemum Helianthemum* Karsten, Deutsche Fl. 633 [1882].  
*Helianthemum Chamaecistus* subsp. 2. *nummularium* var. a. *tomentosum* Grosser in Engler, Pflanzenreich. IV. 193 (Heft 14): 84 (1903).—Koch ex Thomé, Fl. Deutschl. ed. 2, 3: 277 (1905) "*H. C. a. l.*"  
*Helianthemum vulgare* subsp. *nummularium* Thellung in Bull. Herb. Boissier, sér. 2, 8: 791 (1908).  
*Helianthemum nummularium* var. *tomentosum* Schneider, Handb. Laubh. 2: 352 (1909).  
*Helianthemum nummularium* f. *discolor* Janchen in Mitt. Naturw. Ver. Univ. Wien, 7: 43 (Cistac. Oester.) (1909).
- H. nummularium** var. *Scopolii* (Willk.) Schneider, Ill. Handb. Laubh. 2: 352 (1909).  
*Cistus tomentosus* Scopoli, Annus Hist.-Nat. 2: 53 (1769), nom.; Fl. Carniol. ed. 2, 1: 376, t. 24 (1772).

**Helianthemum nummularium** var. **Scopolii** (continued)

- Helianthemum tomentosum* sensu Sprengel, Syst. Veg. 2: 592 (1825). — Fritsch, Exkursionsfl. Oester. 379 (1897). — Janchen in Mitt. Naturw. Ver. Univ. Wien, 7: 48 (Cistac. Oester.-Ung.) (1909). — Non Smith (1810).
- Helianthemum vulgare*  $\delta$ . *grandiflorum* Koch, Syn. Fl. Germ. Helv. 81 (1837), p. p.
- Helianthemum variabile*  $\beta$ . *discolor* Spach, Hist. Nat. Vég. Phan. 6: 26 (1838), p. p.
- Helianthemum controversum*  $\beta$ . *grandiflorum* (Koch) F. W. Schultz, Fl. Pfalz, 59 (1846).
- Helianthemum vulgare*  $\beta$ . *discolor* Hausmann, Fl. Tirol, 1: 94 (1851), p. p.
- Helianthemum vulgare* b. *grandiflorum*  $\beta$ . *discolor* 1. *Scopolii* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 115 (1856). — Gremli, Neue Beitr. Fl. Schweiz, 3: 44 (1883) "*H. vulgare* var. *S.*" — Rouy & Foucaud, Fl. France, 2: 298 (1895) "*H. v.* subsp. *H. S.*"
- Helianthemum macranthum* Schur, Enum. Pl. Transsilv. 76 (1866).
- Helianthemum Chamaecistus* subsp. *H. grandiflorum* f. *Scopolii* Murbeck, Beitr. Fl. Südbosn. Herceg. 165 (1891). — Fiori in Fiori & Paoletti, Fl. Anal. Ital. 1, 2: 395 (1898) "*H. C. \delta. S.*" — Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 85 (1903) "*H. C.* subsp. *nummularium*  $\beta$ . *S.*"
- H. nummularium** f. **multiplex** (Sweet) Schneider, Ill. Handb. Laubh. 2: 352 (1909) "*H. n.* var. *tomentosum* f. *m.*"
- Helianthemum vulgare* var. *multiplex* Sweet, Cistin. t. 64 [1828].
- Helianthemum Chamaecistus* subsp. 2. *nummularium* var. a. *tomentosum* f. *multiplex* (Sweet) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 85 (1903).
- H. nummularium** var. **stramineum** (Sweet) Rehder in Jour. Arnold Arb. 4: 249 (1923).
- Helianthemum stramineum* Sweet, Cistin. t. 93 [1829].
- Helianthemum Chamaecistus* var.  $\zeta$ . *stramineum* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 86 (1903).
- Helianthemum vulgare* var. *stramineum* Bean, Trees Shrubs Brit. Isl. 1: 617 (1914).
- H. nummularium** var. **roseum** (Willk.) Schneider, Ill. Handb. Laubh. 2: 352 (1909).
- ?*Helianthemum roseum* Sweet, Cistin. t. 55 [1827].
- Helianthemum vulgare* a. *roseum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 115, t. 141, fig. c (1856).
- ?*Helianthemum rhodanthum* Timbal-Lagrange in Bull. Soc. Bot. France, 11: 126 (1864), non Dunal (1824).
- Helianthemum Scopolii* a. *ovalifolium* subvar. *roseiflorum* Rouy & Foucaud, Fl. France, 2: 299 (1895).
- Helianthemum Chamaecistus* subsp. 2. *nummularium* var.  $\gamma$ . *roseum* (Willk.) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 86 (1903).
- Helianthemum pyrenaicum* Janchen in Mitt. Naturw. Ver. Univ. Wien, 7: 40 (Cistac. Oester.) (1909), in textu.
- H. nummularium** f. **roseoplenum** Schneider, Ill. Handb. Laubh. 2: 352 (1909) "var. *roseum* f. *roseoplena*."
- Helianthemum roseum* var. *multiplex* Sweet, Cistin. t. 86 [1829], non *H. n.* (var. *tomentosum*) f. *m.* (Sweet) Schneider (1909).
- H. nummularium** var. **mutabile** (Jacq.) Rehder in Jour. Arnold Arb. 4: 249 (1923).
- Cistus mutabilis* Jacquin, Misc. Austr. Bot. Chem. 2: 340 (1781); Icon. Pl. Rar. 1: 10, t. 99 (1781-6).
- Helianthemum mutabile* Persoon, Syn. Pl. 2: 79 [1806].

*Helianthemum vulgare* var. *mutabile* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 116 (1856).

*Helianthemum Chamaecistus* var. e. *mutabile* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 86 (1903).

**H. nummularium** var. **venustum** (Sweet) Rehder in Jour. Arnold Arb. 4: 249 (1923).

*Helianthemum venustum* Sweet, Cistin. t. 10 (1825).

*Helianthemum mutabile*  $\beta$ . *canescens* (Sweet) K. Koch, Hort. Dendr. 37 (1853), p. p.

*Helianthemum chamaecistus* var.  $\delta$ . *venustum* (Sweet) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 86 (1903).

*Helianthemum vulgare* var. *venustum* Bean, Trees Shrubs Brit. Isl. 1: 617 (1914).

**H. nummularium** var. **diversifolium** (Sweet) Rehder in Jour. Arnold Arb. 4: 249 (1923).

*Helianthemum diversifolium* Sweet, Cistin. t. 95 [1829].

*Helianthemum mutabile*  $\gamma$ . *diversifolium* K. Koch, Hort. Dendr. 37 (1853).

*Helianthemum chamaecistus* var.  $\eta$ . *diversifolium* (Sweet) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 86 (1903).

**H. nummularium** f. **rubro-plenum** Rehder in Jour. Arnold Arb. 4: 249 (1923) "var. *diversifolium* f. *r.*"

*Helianthemum diversifolium*  $\beta$ . *multiplex* Sweet, Cistin. t. 98 [1829], non *H. n.* (var. *tomentosum*) f. *m.* (Sweet) Schneider (1909).

*Helianthemum mutabile*  $\delta$ . *multiplex* K. Koch, Hort. Dendr. 37 (1853).

*Helianthemum vulgare* var. *diversifolium multiplex* Bean, Trees Shrubs Brit. Isl. 1: 617 (1914).

**H. nummularium** var. **macranthum** (Sweet) Schneider, Ill. Handb. Laubh. 2: 352 (1909).

*Helianthemum macranthum* Sweet, Cistin. t. 103 [1829].

*Helianthemum chamaecistus* var.  $\theta$ . *macranthum* (Sweet) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 86 (1903).

**H. nummularium** f. **alboplenum** Schneider, Ill. Handb. Laubh. 2: 352 (1909) "*H. n.* var. *macranthum* f. *albo-plena*."

*Helianthemum macranthum*  $\beta$ . *multiplex* Sweet, Cistin. t. 104 [1829].

**H. sulphureum** [*H. apenninum*  $\times$  *nummularium*] Willdenow, Enum. Pl. Hort. Berol. Suppl. 39 (1813). — Rouy & Foucaud, Fl. France, 2: 302 (1895).

*Helianthemum vulgari-pulverulentum* Larambergue in Bull. Soc. Bot. France, 5: 27 (1858).

*Helianthemum vulgare* var. *pallidiflorum* Le Grand in Mém. Soc. Hist. Litt. Sci. Cher, sér. 4, 1: 195 (Pl. Nouv. Rar. Cher, 1: 6) (1884). — Rouy & Foucaud, l. c. (1895), pro syn.

*Helianthemum ochroleucum* Rouy & Foucaud, l. c. (1895).

*Helianthemum appeninum*  $\times$  *chamaecistus* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 74 (1903).

**H. sulphureum** f. **roseum** (Gross.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 224 [1916].

*Helianthemum canescens* Sweet, Cistin. t. 51 [1827].

*Helianthemum appeninum*  $\times$  *chamaecistus* var. *roseum* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 74 (1903).

*Helianthemum sulphureum* var. *roseum* Rehder in Bailey, Stand. Cycl. Hort. 3: 1445 (1915).

**H. sulphureum** f. **cupreum** (Sweet) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 224 [1916].

- Helianthemum cupreum* Sweet, Cistin. t. 66 [1828].  
*Helianthemum sulphureum* var. *cupreum* Rehder in Bailey, Stand. Cycl. Hort. 3: 1445 (1915).
- H. grandiflorum** (Scop.) De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 821 (1805).—Reichenbach, Icon. Fl. Germ. 3: 7, fig. 4549 (1838–9).—Janchen in Mitt. Naturw. Ver. Univ. Wien, 7: 64 (Cistac. Oester.) (1909).  
*Cistus grandiflorus* Scopoli, Fl. Carniol. ed. 2, 1: 377, t. 25 (1772).  
*Cistus Helianthemum* β. *C. grandiflorus* Willdenow, Sp. Pl. 2, 2: 1209 [1800].  
*Helianthemum obscurum* β. *grandiflorum* Persoon, Syn. Pl. 2: 79 [1806].  
*Helianthemum vulgare* β. *grandiflorum* Roth, Enum. Pl. Phan. Germ. 2: 548 (1827).  
*Helianthemum variabile* α. *virescens* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 362 (1836), p. p.  
*Helianthemum controversum* β. *grandiflorum* F. Schultz, Fl. Pfalz, 59 (1846).  
*Helianthemum vulgare* β. *virescens* Grenier & Godron, Fl. France, 169 (1848), p. p.  
*Helianthemum vulgare* α. *concolor* Hausmann, Fl. Tirol, 1: 94 (1851), p. p.—Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 114 (1856) “b. *grandiflorum* α. c.”, p. p.  
*Helianthemum Chamaecistus* β. *grandiflorum* Fiek, Fl. Schles. 47 (1881).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 83 (1903) “subsp. *barbatum* var. δ. gr.”  
*Helianthemum hirsutum* var. *grandiflorum* Sagorski & Schneider, Fl. Zentralkarp. 2: 70 (1891).  
*Helianthemum Helianthemum* var. α. *grandiflorum* Karsten, Fl. Deutschl. Oester. Schweiz, ed. 2, 2: 176 (1895).  
*Helianthemum nummularium* var. *grandiflorum* Schneider, Ill. Handb. Laubh. 2: 352 (1909).
- H. grandiflorum** var. *obscurum* (Pers.) Rehder in Jour. Arnold Arb. 20: 422 (1939).  
*Cistus hirsutus* Thuillier, Fl. Envir. Paris, n. ed. 266 [1799], non Lamarck (1790).  
*Cistus ovatus* Viviani in Ann. di Bot. 1, 2: 174, t. 25, fig. 2 (1804); Fl. Ital. Fragm. 1: 6, t. 8, fig. 2 (1808).  
*Helianthemum obscurum* Persoon, Syn. Pl. 2: 779 (1807).  
*Helianthemum hirsutum* Méral, Nouv. Fl. Env. Paris, 204 (1812).—Janchen in Oester. Bot. Zeitschr. 58: 432 (1908).  
*Helianthemum obscurum* β. *nummularium* De Candolle in Lamarck & De Candolle, Fl. Franç. 6: 624 (1815), vix *Cistus nummularius* Linnaeus (1753).  
*Helianthemum hyssopifolium* Tenore, Cat. Pl. Hort. Neap. 48 (1819).  
*Helianthemum ovatum* Dunal in De Candolle, Prodr. 1: 280 (1824).—Janchen in Nat. Pflanzenfam. ed. 2, 21: 309 (1925).  
*Helianthemum vulgare* β. *obscurum* Wahlenberg, Fl. Suec. 1: 332 (1824).  
*Helianthemum vulgare* β. *hirsutum* Koch, Syn. Fl. Germ. Helv. 81 (1837).  
*Helianthemum vulgare* β. *grandiflorum* α. *concolor* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 114, t. 141, fig. A, B (1856), p. p.  
*Helianthemum rupicolum* Schur, Enum. Pl. Transsilv. 77 (1866).  
*Helianthemum Chamaecistus* subsp. *barbatum* α. *hirsutum* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 82 (1903).—Koch ex Thomé, Fl. Deutschl. ed. 2, 3: 277 (1905) “H. Ch. β. h.”  
*Helianthemum nummularium* var. *obscurum* Schneider, Ill. Handb. Laubh. 2: 351 (1909).
- H. grandiflorum** f. *cupreum* (Sweet) Rehder in Jour. Arnold Arb. 20: 423 (1939).  
*Helianthemum hyssopifolium* β. *cupreum* Sweet, Cistin. t. 72 [1827].  
*Helianthemum chamaecistus* var. γ. *cupreum* (Sweet) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 84 (1903).  
*Helianthemum nummularium* var. *cupreum* Schneider, Ill. Handb. Laubh. 2: 352 (1909).
- H. grandiflorum** f. *multiplex* (Sweet) Rehder in Jour. Arnold Arb. 20: 423 (1939).  
*Helianthemum hyssopifolium* γ. *multiplex* Sweet, Cistin. t. 72 [1828].  
*Helianthemum nummularium* var. *cupreum* f. *cupreoplena* Schneider, Ill. Handb. Laubh. 2: 352 (1909).
- H. grandiflorum** var. *glabrum* (Koch) Rehder in Jour. Arnold Arb. 20: 423 (1939).  
*Cistus serpyllifolius* Crantz, Stirp. Austr. 2: 101, t. 6, fig. 3 (1769).  
*Helianthemum vulgare* γ. *glabrum* Koch, Syn. Fl. Germ. Helv. 81 (1837).  
*Helianthemum nitidum* Clementi in Atti Riun. Sci. Ital. 3: 517 (1841).—Janchen in Mitt. Naturw. Ver. Univ. Wien, 7: 68 (Cistac. Oester.) (1909).  
*Helianthemum controversum* α. *glabrum* F. Schultz, Fl. Pfalz, 59 (1846).  
*Helianthemum vulgare* c. *serpyllifolium* Schnizlein, Fl. Bayern, 31 (1847).  
*Helianthemum vulgare* var. β. *glabratum* Visiani, Fl. Dalmat. 3: 145 (1852).  
*Helianthemum glabriusculum* Kitaibel ex Kanitz in Linnaea, 32: 505 (1863).  
*Helianthemum laevigatum* Schur, Enum. Pl. Transsilv. 77 (1866).  
*Helianthemum vulgare* α. *glabrescens* Neilreich, Fl. Nieder-Oester. 763 (1866).  
*Helianthemum serpyllifolium* Nyman, Consp. Fl. Eur. 74 (1878).  
*Helianthemum glabrum* Kerner, Sched. Fl. Exsicc. Austr.-hung. 3: 72 (1883).—Beck, Fl. Nieder-Öster. 1: 527 (1890).  
*Helianthemum Chamaecistus* subsp. *H. glabrum* Murbeck, Beitr. Fl. Südbosn. Herceg. 165 (1891).  
*Helianthemum chamaecistus* subsp. *barbatum* var. β. *serpyllifolium* (Crantz) Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 82 (1903).  
*Helianthemum Chamaecistus* γ. *glabrum* Koch ex Thomé, Fl. Deutschl. Oester. Schweiz, ed. 2, 3: 277 (1905).  
*Helianthemum nitidum* f. *glabrum* (Koch) Janchen in Oester. Bot. Zeitschr. 58: 396 (1908).  
*Helianthemum nummularium* var. *glabrum* Schneider, Ill. Handb. Laubh. 2: 351 (1909).
- H. canum** (L.) Baumgarten, Enum. Stirp. Transsilv. 2: 85 (1816).—Janchen in Abh. Zool.-Bot. Ges. Wien, 4: 6 (Helianth. canum) (1907); in Mitt. Naturw. Ver. Univ. Wien, 7: 77 (Cistac. Oester.) (1909).  
*Cistus canus* Linnaeus, Sp. Pl. 1: 525 (1753).  
*Cistus marifolius* Linnaeus, Sp. Pl. ed. 2, 741 (1762), p. p., non Linnaeus (1753).  
*Helianthemum marifolium* Miller, Gard. Dict. ed. 8, H. no. 24 (1768).  
*Cistus vinealis* Willdenow, Sp. Pl. 2, 2: 1195 [1800].—Roth, Bot. Bemerk. Bericht. 163 (1807).  
*Helianthemum vineale* Sprengel, Fl. Halens. Tent. Nov. 153 (1806).  
*Rhodax montanus* γ. *canus* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 364 (1836).

**Helianthemum canum** (continued)

- Helianthemum oelandicum*  $\gamma$ . *tomentosum* Koch, Syn. Fl. Germ. Helv. 81 (1837).  
*Rhodax Chamaecistus*  $\beta$ . *canescens* Spach, Hist. Nat. Vég. Phan. 6: 41 (1838).  
*Helianthemum montanum*  $\beta$ . *incanum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 152 (1856).  
*Helianthemum canum*  $\beta$ . *vineale* Syme in Sowerby, Engl. Bot. ed. 3, 2: 9 (1864).  
*Rhodax canus* Fourreau in Ann. Soc. Linn. Lyon, n. sér., 16: 340 (1868).  
*Helianthemum canum*  $\alpha$ . *typicum* Beck, Fl. Nieder-Öster. 2, 1: 527 (1892).  
*Helianthemum marifolium* var.  $\beta$ . *canum* Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 117 (1903).

**H. hymettium** Boissier & Heldreich ex Boissier, Diagn. Pl. Or. Nov. sér. 2, 1: 52 (1853).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 111 (1903).

- Helianthemum rubellum* var. *lanceolatum* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 141, t. 156 (1856).  
*Helianthemum hymettium* var.  $\alpha$ . *discolor* Heldreich in sched. ex Halácsy, Consp. Fl. Graec. 1: 133 (1901).

**H. alpestre** (Jacq.) De Candolle in Lamarck & De Candolle, Fl. Franç. 5: 622 (1815), exclud. var.  $\beta$ . et  $\gamma$ .—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 120 (1903).—Janchen in Abh. Zool.-Bot. Ges. Wien, 4, 1: 53 (*Helianth. canum*) (1907); in Mitt. Naturw. Ver. Univ. Wien, 7: 88 (1909).

- Cistus alpestris* Jacquin, Enum. Stirp. Vindob. 93, 248 (1762).  
*Cistus canus* Scopoli, Annus Hist.-Nat. 2: 53 (1769), non Linnaeus (1753).  
*Cistus oelandicus* sensu Jacquin, Fl. Austr. Icon. 4: 52, t. 399 (1776), non Linnaeus (1753).  
*Helianthemum oelandicum* (L.) sensu De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4, 2: 817 (1805), p. p.; non Swartz (1812).  
*Helianthemum italicum*  $\alpha$ . *strigosum* Dunal in De Candolle, Prodr. 1: 277 (1824).  
*Helianthemum oelandicum*  $\beta$ . *alpestre* Benth, Cat. Pl. Pyrén. 86 (1826).  
*Rhodax montanus*  $\delta$ . *virescens* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 364 (1836).  
*Helianthemum oelandicum*  $\alpha$ . *glabrum* et  $\beta$ . *hirtum* Koch, Syn. Fl. Germ. Helv. 80 (1837).  
*Rhodax Chamaecistus*  $\gamma$ . *virescens* Spach, Hist. Nat. Vég. Phan. 6: 41 (1838), p. p.  
*Helianthemum italicum*  $\alpha$ . *glabratum* et  $\beta$ . *alpestre* Grenier & Godron, Fl. France, 1: 171 (1848).  
*Helianthemum montanum*  $\alpha$ . *viride*  $\beta$ . *alpestre* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 151 (1856).

**H. oelandicum** (L.) Swartz in Svensk Bot. 7: 499, t. 499 (1812).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 119 (1903).

- Cistus oelandicus* Linnaeus, Sp. Pl. 526 (1753).  
*Helianthemum oelandicum*  $\alpha$ . *boreale* Benth, Cat. Pl. Pyrén. 86 (1826).  
*Rhodax montanus* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 364 (1836), p. p.  
*Rhodax Chamaecistus*  $\beta$ . *virescens* Spach, Hist. Nat. Vég. Phan. 6: 41 (1838), p. p.  
*Helianthemum montanum*  $\alpha$ . *oelandicum* Visiani, Fl. Dalmat. 3: 146 (1852).  
*Helianthemum montanum*  $\alpha$ . *viride*  $\alpha$ . *boreale* Willkomm, Icon. Descr. Pl. Nov. Eur. 2: 151 (1856).

**H. lunulatum** (All.) De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 816 (1805).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 121, fig. 15A (1903).

- Cistus lunulatus* Allioni, Auct. Fl. Pedem. 30, t. 2, fig. 3 (1789).

**FUMANA** (Dunal) Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 359 (1836).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 123 (1903).

- Cistus* Linnaeus, Sp. Pl. 525 (1753), p. p. quoad sp. no. 11.  
*Helianthemum* Miller, Gard. Dict. ed. 8 (1768), p. p. quoad sp. no. 6.  
*Anthesis* Rafinesque, Chloris Aetn. 9 (1813), p. p.  
*Helianthemum* sect. *Fumana* Dunal in De Candolle, Prodr. 1: 274 (1824).  
*Fumanopsis* Pomel, Matér. Fl. Atlant. 9 (1860).  
 TYPUS: *Cistus Fumana* L. = *Fumana nudifolia* (L.) Janchen.

**F. nudifolia** (Lam.) Janchen in Oester. Bot. Zeitschr. 58: 396 (1908); in Mitt. Naturw. Ver. Univ. Wien, 7: 111 (1909).

- Cistus Fumana* Linnaeus, Sp. Pl. 1: 525 (1753).  
*Helianthemum Fumana* Miller, Gard. Dict. ed. 8, H. no. 6 (1768).  
*Cistus Fumaria* Scopoli, Annus Hist.-Nat. 2: 53 (1769), err. typogr.?  
*Cistus nudifolius* Lamarck, Fl. Franç. 3: 163 (1778), exclud. var.  $\beta$ .  
*Cistus parviflorus* Gatereau, Descr. Pl. Montaub. 98 (1789).  
*Helianthemum fumanum* Moench, Meth. Pl. 233 (1794). —St.-Lager in Ann. Soc. Bot. Lyon, 7: 127 (1880) "*Helianthemum f.*"  
*Helianthemum procumbens* Dunal in De Candolle, Prodr. 1: 275 (1824).  
*Fumana vulgaris* Spach in Ann. Sci. Nat. Bot. sér. 2, 6: 359 (1836), p. p.  
*Fumana vulgaris*  $\alpha$ . *minor* Spach, l. c. (1836).  
*Fumana minor* Rafinesque, Sylv. Tellur. 132 (1838).  
*Fumana pinifolia* Wallroth in Linnaea, 14: 583 (1840).  
*Fumana ericifolia* Wallroth in op. cit. 584 (1840).  
*Fumana procumbens* Grenier & Godron, Fl. France, 1: 175 (1848).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 125, fig. 20b-k (1903).  
*Fumana Fumana* Karsten, Deutsche Fl. 633 [1882].  
*Helianthemum Fumana*  $\alpha$ . *typicum* Fiori in Fiori & Paoletti, Fl. Anal. Ital. 1, 2: 392 (1898).

**Hudsonia** Linnaeus, Mant. Pl. 1: 11 (1767).—Benth & Hooker f., Gen. Pl. 1: 114 (1862).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 131 (1903).

TYPUS: *H. ericoides* L.

**H. tomentosa** Nuttall, Gen. N. Am. Pl. 2: 5 (1818).—Grosser in op. cit. 132, fig. 21 (1903).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 542, fig. 2913 (1913).  
*Hudsonia ericoides* sensu Richards in Franklin, Narr. Journey Polar Sea (app. 7) 739 (1823), non Linnaeus (1767).**Hudsonia maritima** Torrey ex Steudel, Nomencl. Bot. 1: 718 (1840).**H. ericoides** Linnaeus, Mant. Pl. 1: 74 (1767).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 133 (1903).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 541, fig. 2912 (1913).**Hudsonia Nuttallii**, G. Don, Gen. Hist. Dichlam. Pl. 1: 315 (1831).

- H. montana** Nuttall, Gen. N. Am. Pl. 2: 5 (1818).—Robinson in Gray, Syn. Fl. N. Am. 1, 1: 191 (1895).—Grosser in Engler, Pflanzenreich, IV. 193 (Heft 14): 133 (1903).

## Fam. VIOLACEAE

VIOLACEAE De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 801 (1805).—Melchior in Nat. Pflanzenfam. ed. 2, 21: 329 (1925).

*Violarieae* De Gingsins in De Candolle, Prodr. 1: 287 (1824).—Bentham & Hooker f., Gen. Pl. 1: 144 (1862).

*Violaceae* 2. *Alsodineae* b. *Hymenanthereae* Reichenbach, Handb. Nat. Pflanzensyst. 269 (1837).

- HYMENTHERA** R. Brown in Tuckey, Narr. Exped. Zaire Congo (app. 5) 442 (1818).—Bentham & Hooker f., Gen. Pl. 1: 120 (1862).  
*Solenanthes* G. Don, Gen. Hist. Dichlam. Pl. 2: 39 (1832).  
Typus: *H. dentata* R. Br. ex DC.

- H. crassifolia** Hooker f., Fl. New Zeal. 1: 17, t. 7 (1853).—Cheeseman, Man. N. Zeal. Fl. ed. 2 (ed. W. R. B. Oliver) 574 (1925).

- H. angustifolia** R. Brown ex De Candolle, Prodr. 1: 315 (1824).—Black, Fl. S. Austral. 3: 395 (1926).  
*Hymenanthera dentata* var. *angustifolia* Bentham, Fl. Austral. 1: 104 (1863).—Cheeseman, Man. N. Zeal. Fl. ed. 2 (ed. W. R. B. Oliver) 573 (1925).

## Fam. FLACOURTIACEAE

FLACOURTIACEAE Dumortier, Anal. Fam. Pl. 44, 49 (1829) "*Flacurtiaceae*."—Lindley, Introd. Nat. Syst. Bot. 21 (1830); Nat. Syst. Bot. ed. 2, 70 (1836).—Gilg in Nat. Pflanzenfam. ed. 2, 21: 377 (1925).

*Samydeae* Ventenat in Mém. Inst. Nat. Sci. France, 1807: 2, 149 (1808).—De Candolle, Prodr. 2: 47 (1825).—Lindley, Introd. Nat. Syst. Bot. 79 (1830).

*Flacurtianae* Richard in Mém. Mus. Hist. Nat. Paris, 1: 366 (1815), nom.

*Homalinae* R. Brown in Tuckey, Narr. Exped. Zaire Congo (app. 5), 438 (1818).

*Flacourtianae* De Candolle, [Théor. Elém. Bot. ed. 2, 244 (1819) "*Flacourtianées*";] Prodr. 1: 255 (1824).

*Samydeae* Dumortier, Anal. Fam. Pl. 16, 18 (1829).—Bentham & Hooker f., Gen. Pl. 1: 794 (1867).—Sprague in Jour. Bot. 60: 72 (1922).

*Paropsiaceae* Dumortier, op. cit. 37, 42 (1829).

*Kiggelariaceae* Link, Handb. Erkenn. Gew. 2: 221 (1831).

*Blackwelliaceae* K. H. Schultz-Schultzenstein, Nat. Syst. Pflanz. 444 (1832).—Horaninov, Prim. Lin. Syst. Nat. 84 (1834).

*Pangieae* Blume in Tijdschr. Nat. Geschied. 1: 132 (1834), nom. subnud. in obs. sub *Papayaceae*; in Ann. Sci. Nat. Bot. sér. 2, 2: 90 (1834) "*Pangiees*."—Bennett in Horsfield, Pl. Jav. Rar. 208 [1844].

*Patrisiaceae* Martius, Consp. Reg. Veg. 58 (1835), nom. subnud.

*Homaliaceae* Lindley, Nat. Syst. Bot. ed. 2, 55 (1836).

*Capparideae* 3. *Flacourtianae* b. *Flacourtieae* Reichenbach, Handb. Nat. Pflanzensyst. 267 (1837).

*Bixaceae* 1. *Samydeae* Reichenbach, op. cit. 273 (1837).  
*Bixaceae* trib. 3. *Flacourtianae* Endlicher, Gen. Pl. 921 (1840).

*Pangieae* Lindley, Veg. Kingd. ed. 3, 323 (1853).

*Bixineae* Bentham & Hooker f., Gen. Pl. 1: 123 (1862), p. p. quoad trib. II–IV (*Flacourtieae* — *Pangieae*).

*Bixaceae* trib. *Samydeae* et trib. *Flacourtieae* Pfeiffer, Synon. Bot. 273, 274 (1870), nom. subnud.

*Bixaceae* Eichler in Martius, Fl. Brasil. 13, 1: 443 (1872), p. p. quoad trib. III–VII (*Flacourtieae* — *Abatieae*).

**IDESIA** Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 10: 485 (in Mém. Biol. 6: 19) (1866).—Bentham & Hooker f., Gen. Pl. 1: 972 (1867).—Gilg in Nat. Pflanzenfam. ed. 2, 21: 377 (1925).

Typus: *I. polycarpa* Maxim.

**I. polycarpa** Maximowicz, l. c. (1866).—Wilson in Sargent, Pl. Wilson. 1: 284 (1912).—Nakai, Fl. Sylv. Kor. 17: 54, t. 15 (1928).

*Polycarpa Maximowiczii* Linden ex Carrière in Rev. Hort. 1868: 300 [err. "*Polygama M.*"], 330, fig. 36 (1868).

*Flacourtia japonica* Hort. ex Lavallée, Icon. Arb. Segrez. 41, [1881], pro syn.

*Idesia polycarpa* var. *latifolia* Diels in Bot. Jahrb. 29: 478 (1900).

*Idesia polycarpa* var. *intermedia* Pampanini in Nuov. Bot. Jour. Ital. 17: 673 (1910).

**I. polycarpa** var. *vestita* Diels in Bot. Jahrb. 29: 478 (1900).

**POLIOTHYRSIS** Oliver in Hooker's Icon. Pl. 19: t. 1885 (1889).—Gilg in Nat. Pflanzenfam. ed. 2, 21: 444 (1925).

Typus: *P. sinensis* Oliv.

**P. sinensis** Oliver, l. c. (1889).—Hu & Chun, Icon. Pl. Sin. 2: t. 93 (1929).

**CARRIEREA** Franchet in Rev. Hort. 1896: 497, fig. 170 (1896).—Gilg in Nat. Pflanzenfam. ed. 2, 21: 444 (1925).

Typus: *C. calycina* Franch.

**C. calycina** Franchet, l. c. (1896).—Wilson in Sargent, Pl. Wilson. 1: 284 (1912).

## Fam. STACHYURACEAE

STACHYURACEAE Gilg in Nat. Pflanzenfam. III. 6: 192 [1893]; ed. 2, 21: 457 (1925).

*Pittosporaceae* Siebold & Zuccarini, Fl. Jap. 1: 42 [1836], quoad *Stachyurus*.—Lindley, Veget. Kingd. ed. 3, 441 (1853), quoad *Stachyurus*.

*Ternstroemiaceae* Bentham & Hooker f., Gen. Pl. 1: 184 (1862), quoad *Stachyurus*.

**STACHYURUS** Siebold & Zuccarini, Fl. Jap. 1: 42, t. 18 [1836].—Bentham & Hooker f., Gen. Pl. 1: 184 (1862).

—Li in Bull. Torrey Bot. Club, 70: 614–628 (1943).

Typus: *S. praecox* Sieb. & Zucc.

**S. praecox** Siebold & Zuccarini, Fl. Jap. 1: 42 [1836].—Li in op. cit. 624 (1943).

*Stachyurus japonicus* Steudel, Nomencl. Bot. ed. 2, 2: 630 (1841), nom.

**S. chinensis** Franchet in Jour. de Bot. 12: 254 (1898).—Rehder in Sargent, Pl. Wilson. 1: 287 (1912).—Li in op. cit. 625 (1943).

*Stachyurus praecox* sensu Diels in Bot. Jahrb. 29: 475 (1900), non Siebold & Zuccarini [1836].

*Stachyurus Duclouxii* Pitard ex Chung in Mem. Sci. Soc. China, 1: 176 (Cat. Trees Shrubs China) (1924), nom.

## Fam. CACTACEAE

CACTACEAE Lindley, Nat. Syst. ed. 2, 53 (1836). — Britton & Rose, Cactaceae, vol. 1-4, tt. (1919-25). — Vaupel in Nat. Pflanzenfam. ed. 2, 21: 594 (1925). — Nom. CONSERV. cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Cactoideae* Ventenat, Tabl. Règ. Vég. 3: 328 [1794].

*Opuntiaceae* Humboldt, Bonpland Kunth, Nov. Gen. Sp. Pl. 6: 65 (fol. ed. 52) (1823). — Jussieu in Dict. Sci. Nat. 35: 144 (1825), exclud. *Grossul.*; pro syn. sub Nopalées. — Horaninov, Prim. Lin. Syst. Nat. 83 (1834).

*Nopaleae* Humboldt, Bonpland, Kunth, l. c. (1823), pro syn. [— De Candolle, Théor. Elém. 216 (1813) "Nopalées"].

*Cactaeae* De Candolle, Prodr. 3: 457 (1828). — Bentham & Hooker f., Gen. Pl. 1: 845 (1867).

*Leuchtenbergiaceae* Pfeiffer, Synon. Bot. 280 (1870), nom. subnud.

**ECHINOCEREUS** Engelm. in Wislizenus, Mem. Tour North. Mex. Bot. App. 91, nota 7 (1848). — Britton & Rose, Cactac. 3: 3 (1922).

Typus: *E. viridiflorus* Engelm.

**E. triglochidiatus** Engelm. in op. cit. 93, nota 9 (1848). — Britton & Rose, Cactac. 3: 10, fig. 6, 7 (1922). — L. Benson in Proc. Calif. Acad. Sci. ser. 4, 25: 252 (1944).

*Cereus triglochidiatus* Engelm. in Gray in Mem. Am. Acad. Arts Sci. n. ser., 4: 51 (Pl. Fendler.) (1849).

*Cereus gonacanthus* Engelm. & Bigelow in Proc. Am. Acad. Arts Sci. 3: 283 (Syn. Cact. U. S. 27) (1856); in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 4: 33, t. 5, fig. 2, 3 (Descr. Cact.) (1856); in Trelease & Gray, Bot. Works Engelm., 138 (1887).

*Cereus hexaëdrus* Engelm. & Bigelow in op. cit. 285 (1856); in op. cit. 34, t. 5, fig. 1 (1856).

*Cereus paucispinus* Engelm. in Proc. Am. Acad. Arts Sci. 3: 285 (Syn. Cact. U. S. 29) (1856); in Emory, Rep. U. S. Mex. Bound. Surv. 2, 1: 36, t. 56 (1859); in Trelease & Gray, Bot. Works Engelm., 139 (1887).

*Echinocereus paucispinus* Rümpler in Förster, Handb. Cacteenk. ed. 2, 794 (1886).

*Echinocereus hexaëdrus* Rümpler in op. cit. 805 (1886).

*Echinocereus paucispinus*  $\beta$ . *triglochidiata*,  $\gamma$ . *hexaëdra*,  $\delta$ . *gonacantha* K. Schumann, Gesamtbeschr. Kakteen, 280 (1898).

**E. viridiflorus** Engelm. in Wislizenus, Mem. Tour North. Mex. Bot. App. 91, nota 7 (1848). — Britton & Rose, Cactac. 3: 17, fig. 17, t. 2, fig. 4 (1922).

*Cereus viridiflorus* Engelm. in Gray in Mem. Am. Acad. Arts Sci. n. ser., 4: 50 (Pl. Fendler. Novi-Mex.) (1849).

*Echinocereus Labouretianus* Lemaire, Cact. 57 (1868), nom.

*Echinocereus Laboureti* Förster ex Rümpler in Förster, Handb. Cacteenk. ed. 2, 811 (1886), pro syn.

*Echinocereus Straussianus* Haage jr. ex Quehl in Monats-schr. Kakteenk. 10: 70 (1900).

**E. Reichenbachii** [Walp.] Britton & Rose, Cactac. 3: 25, fig. 25 (1922).

*Echinocactus Reichenbachii* Terschek, Suppl. Cact. 2 ex Walpers, Repert. Bot. Syst. 2: 320 (1843).

*Cereus caespitosus* Engelm. & Gray in Boston Jour. Nat. Hist. 5: 245, nota 7 (Pl. Lindheim. 39) (1845).

*Echinocereus caespitosus* Engelm. in Wislizenus, Mem. Tour North. Mex. Bot. App. 110, nota 45 (1848).

*Echinocereus adustus* Engelm. in op. cit. 104, nota 29 (1848).

*Echinocereus radians* Engelm. in op. cit. 104, nota 30 (1848).

*Cereus adustus* Engelm. in Gray in Mem. Am. Acad. Arts Sci. n. ser., 4: 50 (Pl. Fendler.) (1849).

*Cereus Reichenbachianus* Labouret, Monog. Fam. Cact. 318 (1852).

*Echinocereus texensis* Jacobi in Allg. Gartenzeit. 24: 110 (1856).

*Mamillaria caespitosa* Gray, First Less. Bot. 96, fig. 197 (1857), nom.

*Cereus rotatus* Linke in Wochenschr. Ver. Beförd. Gartenb. Preuss. 1: 85 (1858).

*Echinocereus Reichenbachianus* Engelm. ex Haage, Preis-verz. Cact. 23 ex B. D. Jackson in Index Kew. 1: 813 (1893), pro syn.

*Echinocereus pectinatus*  $\epsilon$ . *caespitosus* Schumann, Gesamtbeschr. Kakteen, 272 [1898].

**E. coccineus** (Engelm.) Engelm. in Wislizenus, Mem. Tour North. Mex. Bot. App. 94, nota 9 (1848). — Britton & Rose, Cactac. 3: 14, t. 2, fig. 1, 2 (1922).

*Mamillaria aggregata* Engelm. in Emory, Not. Milit. Recon. Ft. Leavenworth, 157 (1848), nom. event.

*Cereus Roemerii* Mühlenpford in Allg. Gartenzeit. 16: 19 (1848), non Engelm. (1849).

*Cereus coccineus* Engelm. in Gray in Mem. Am. Acad. Arts Sci. n. ser., 4: 59 (Pl. Fendler.) (1849).

*Echinopsis valida* var. *densa* Regel in Gartenfl. 1: 295, t. 29 (1852).

*Cereus phoeniceus* Engelm. & Bigelow in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 4: 34, t. 4, fig. 1-3 (Descr. Cact.) (1856).

*Cereus conoideus* Engelm. & Bigelow in op. cit. 35, t. 4, fig. 4-5 (1856).

*Cereus paucispinus* Hooker f. in Bot. Mag. 110: t. 6774 (1884), non Engelm. (1859).

*Echinocereus phoeniceus* Lemaire, Cact. 57 (1868), nom.

*Echinocereus conoideus* Rümpler in Förster, Handb. Cacteenk. ed. 2, 807 (1886).

*Echinocereus Krausei* De Smet ex Rümpler in op. cit. 789 (1886).

*Cereus aggregatus* Coulter in Contrib. U. S. Nat. Herb. 3: 396 (1896).

*Echinocereus aggregatus* Rydberg in Bull. Torrey Bot. Club, 33: 146 (1906).

**ECHINOCACTUS** Link & Otto in Verh. Ver. Beförd. Gartenb. Preuss. 3: 420 (1827). — Schumann, Gesamtbeschr. Kakteen, 290 (1898). — Britton & Rose, Cactac. 3: 166 (1922), emend. — Vaupel in Nat. Pflanzenfam. ed. 2, 21: 621 (1925).

*Discocactus* Pfeiffer in Allg. Gartenzeit. 5: 241 (1837).

*Astrophytum Lemaire*, Cact. Gen. Nov. Sp. 3 (1839).

*Echinofossulocactus* Lawrence in Gard. Mag. (London) 17: 317 (1841).

*Gymnocalycium* Pfeiffer in Pfeiffer & Otto, Abb. Beschreib. Cact. 2: t. 1, 12, in textu (1845).

*Malacocarpus* Salm-Dyck, Cact. Hort. Dyck. Cult. 1849, 24 (1850).

*Lophophora* Coulter in Contrib. U. S. Nat. Herb. 3: 131 (1894).

*Pediocactus* Britton & Rose in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 569 (1913); Cactac. 3: 90 (1922).

*Lobivia* Britton & Rose, Cactac. 3: 49 (1922), p. p.

*Copiaopoa* Britton & Rose, op. cit. 85 (1922).



- Neoporteria* Britton & Rose, op. cit. 94 (1922).  
*Haematocactus* Britton & Rose, op. cit. 104 (1922).  
*Ferocactus* Britton & Rose, op. cit. 123 (1922).  
*Echinomastus* Britton & Rose, op. cit. 147 (1922).  
*Sclerocactus* Britton & Rose, op. cit. 212 (1922).  
*Ancistrocactus* (K. Schum.) Britton & Rose, op. cit. 4: 3 (1923).  
*Thelocactus* (K. Schum.) Britton & Rose, op. cit. 4: 6 (1923).  
LECTOTYPUS: *E. robustus* Link & Otto.
- E. Simpsonii** Engelm. in Trans. Acad. Sci. St. Louis, 2: 197 (Addit. Cactus Fl.) (1863). — Schumann, Gesamtbeschr. Kakteen, 447 [1898].  
*Echinocactus Simpsonii* B. minor Engelm., l. c. (1863).  
*Mamillaria Simpsonii* M. E. Jones in Zoë, 3: 202 (1893).  
*Mamillaria Purpusii* K. Schumann in Monatsschr. Kakteenk. 4: 165, fig. (1894); Gesamtbeschr. Kakteen, 547 [1898], pro syn.  
*Mamillaria Spaethiana* K. Schumann ex Späth, Kat. (1894), nom. subnud.; Gesamtbeschr. Kakteen, 547 [1898], pro syn.  
*Pediocactus Simpsonii* Britton & Rose in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 570, fig. 2983 (1913).
- MAMILLARIA** Haworth, Syn. Pl. Succul. 177 (1812) "*Mamillaria*." — Schumann, Gesamtbeschr. Kakteen, 472 [1898]. — Vaupel in Nat. Pflanzenfam. ed. 2, 21: 631 (1925). — NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. 86, no. 5411 (1906) "*Mamillaria*." — Non *Mamillaria* Stackhouse (1809), genus Alg.  
*Coryphantha* Lemaire, Cactées, 32 (Bibl. Jard.) (1868). — Britton & Rose, Cactac. 4: 23 (1923).  
*Mamillopsis* A. Weber in Bois, Dict. Hort. 805 (1898), nom., tentat.  
*Epithelantha* A. Weber in op. cit. 804 (1898), nom. tentat. — Britton & Rose, Cactac. 3: 93 (1922).  
*Cochemiea* Walton in Cactus Jour. 2: 50 (1899).  
*Bartschella* Britton & Rose, Cactac. 4: 57 (1923).  
*Phellosperma* Britton & Rose, op. cit. 60 (1923).  
*Dolichothele* Britton & Rose, op. cit. 61 (1923).  
*Neomamillaria* Britton & Rose, op. cit. 65 (1923).  
*Neobesseyia* Britton & Rose, op. cit. 31 (1923).  
TYPUS: *Cactus mamillaris* L. = *Mamillaria simplex* Haw.
- M. missouriensis** Sweet, Hort. Brit. 171 (1827) "*Mamillaria*." — K. Schumann, Gesamtbeschr. Kakteen, 497 [1898].  
*Cactus mamillaris* sensu Nuttall, Gen. N. Am. Pl. 1: 295 (1814), ? non Linnaeus (1753).  
*Mamillaria simplex* sensu Torrey & Gray, Fl. N. Am. 1: 553 (1840), non Haworth (1819).  
*Mamillaria Nuttallii* Engelm. in Gray in Mem. Am. Acad. Arts Sci. n. ser., 4: 49, nota 1 (Pl. Fendler.) (1849).  
*Mamillaria similis* Engelm. in Boston Jour. Nat. Hist. 5: 246, nota 3 (Pl. Lindheim. 1: 38) (1845); 6: 200 (2: 200) (1850).  
*Echinocactus similis* Poselger in Allg. Gartenzeit. 21: 107 (1853).  
*Mamillaria Notesteinii* Britton in Bull. Torrey Bot. Club, 18: 367 (1890).  
*Cactus missouriensis* Kuntze, Rev. Gen. Pl. 1: 259 (1891).  
*Coryphantha missouriensis* Britton & Rose in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 570, fig. 2984 (1913).
- M. vivipara** (Nutt.) Haworth, Syn. Pl. Succul. Suppl. 72 (1819) "*Mamillaria*."
- Cactus viviparus* [Nuttall] in Fraser Cat. New Pl. Louisiana (1813), reprint in Pittonia, 2: 117 (1890).  
*Mamillaria radiosa* Engelm. in Boston Jour. Nat. Hist. 6: 196 (in Gray, Pl. Lindheim. 2: 196) (1850).  
*Echinocactus radiosa* Poselger in Allg. Gartenzeit. 21: 107 (1853).  
*Mamillaria vivipara* subsp. *radiosa* var. *borealis* Engelm. in Emory, Rep. U. S. Mex. Bound. Surv. 2, 1 (Cactac. Bound.): 16, t. 13 (1859).  
*Coryphantha vivipara* Britton & Rose in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 571, fig. 2985 (1913).  
*Mamillaria Arizonica* Engelm. in Brewer & Watson, Bot. Calif. 1: 244 (1876).  
*Mamillaria deserti* Engelm. in Brewer & Watson, op. cit. 2: 449 (1880).  
*Mamillaria vivipara* var. *arizonica* (Engelm.) L. Benson in Proc. Calif. Acad. Sci. ser. 4, 25: 263 (1944).
- OPUNTIA** Miller, Gard. Dict. abridg. ed. 4, 2 (1754). — Haworth, Syn. Pl. Succul. 187 (1812). — K. Schumann, Gesamtbeschr. Kakteen, 650 [1898]. — Britton & Rose, Cactac. 1: 42 (1919).  
*Cactus* Linnaeus, Sp. Pl. 466 (1753), p. p.  
*Cactodendron* Bigelow in U. S. Rep. Explor. Surv. Railr. Mississippi Pacif. Oc. 3: 102; 4: 7, 11, iii (1856), nom. subnud.  
*Consolea* Lemaire in Rev. Hort. 1862: 174 (1862).  
*Tephrocactus* Lemaire, Cactées, 88 (Bibl. Jard.) (1868).  
*Ficindica* St.-Lager in Ann. Soc. Bot. Lyon, 7: 70 (1880).  
TYPUS: *Cactus Opuntia* Linn. p. p. = *O. humifusa* Raf.
- O. imbricata** (Haw.) De Candolle, Prodr. 3: 471 (1828). — Britton & Rose, Cactac. 1: 63, fig. 49 (1919).  
*Cereus imbricata* Haworth, Rev. Pl. Succ. 70 (1821).  
*Cactus cylindricus* E. P. James, Cat. Pl. Rocky Mts. 182 (1825), non Lamarck (1783).  
*Cactus Bleo* sensu Torrey in Ann. Lyc. Nat. Hist. New York, 2: 202 (1828), non Humboldt, Bonpland, Kunth (1823).  
*Opuntia rosea* De Candolle, Prodr. 3: 471 (1828).  
*Opuntia decipiens* De Candolle in Mém. Mus. Hist. Nat. Paris, 17: 118 (1828).  
*Opuntia exuviata* De Candolle, l. c. (1828).  
*Opuntia arborescens* Engelm. in Wislizenus, Mem. Tour North. Mex. Bot. App. 90, nota 5 (1848).  
*Opuntia vexans* Griffiths in Ann. Rep. Missouri Bot. Gard. 22: 28 (1912).  
*Opuntia magna* Griffiths in Proc. Biol. Soc. Washington, 27: 23 (1914).  
*Opuntia spinotecta* Griffiths in op. cit. 24 (1914).
- O. Davisii** Engelm. & Bigelow in Proc. Am. Acad. Arts Sci. 3: 305 (1856). — Britton & Rose, Cactac. 1: 54, fig. 64 (1919).
- O. humifusa** (Raf.) Rafinesque, Med. Fl. U. S. 2: 247 (1830). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 572, fig. 2987 (1913).  
*Cactus Opuntia* Linnaeus, Sp. Pl. 468 (1753), p. p.  
*Opuntia vulgaris* Miller, Gard. Dict. ed. 8, O. no. 1 (1768), p. p. — Haworth, Syn. Pl. Succul. 190 (1812). — Torrey & Gray, Fl. N. Am. 1: 555 (1840).  
*Cactus compressus* Salisbury, Prodr. Stirp. Chap. Allert. 348 (1796).  
*Cactus Opuntia* D. O. nana De Candolle, Pl. Succul. Hist. 2: 138 (1799).  
*Cactus humifusus* Rafinesque, Annals Nat. 15 (1820); reprinted by T. J. Fitzpatrick (1908).  
*Opuntia mesacantha* Rafinesque in Bull. Bot. (Seringe) 1: 216 (1830).

**Opuntia humifusa** (continued)

- Opuntia caespitosa* Rafinesque, l. c. (1830).  
*Opuntia intermedia* Salm-Dyck, Hort. Dyck. 364 (1834).  
*Opuntia nana* Visiani, Fl. Dalmat. 3: 143 (1852). — Burkill in Rec. Bot. Surv. India, 4: 288 (1911).  
*Opuntia Rafinesquei* Engelm. in Proc. Am. Acad. Arts Sci. 3: 295 (1856).  
*Opuntia vulgaris* var. ? *Rafinesquei* Gray, Man. Bot. N. U. S. ed. 2, 136 (1856).  
*Opuntia Rafinesquiana* Haage & Schmidt in Rev. Hort. 1868: 90, fig. 10, 11 (1868).  
*Opuntia Opuntia* Karsten, Deutsche Fl. 888 [1882]. — Britton & Rose, Cactac. 1: 127, fig. 160, t. 22, fig. 5 (1919).  
*Opuntia mesacantha parva* et *O. m. microsperma* Coulter in Contrib. U. S. Nat. Herb. 3: 429 (1896).  
*Opuntia vulgaris* β. *nana* K. Schumann, Gesamtbeschr. Kakteen, 715 [1898].

**O. phaeacantha** Engelm. in Gray in Mem. Am. Acad. Arts Sci. 4: 52 (Pl. Fendler.) (1849). — Britton & Rose, Cactac. 1: 144, t. 25, fig. 2 (1919).

- Opuntia Camanchica* Engelm. & Bigelow in Proc. Am. Acad. Arts Sci. 3: 293, (1856); in U. S. Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 4: 40, t. 9, fig. 1–5, t. 22, fig. 12–15 (1856).  
*Opuntia chihuahuensis* Rose in Contrib. U. S. Nat. Herb. 12: 291 (1909).  
*Opuntia Toumeyii* Rose in op. cit. 402 (1909).  
*Opuntia Blakeana* Rose in op. cit. 402 (1909).  
*Opuntia zuniensis* Griffiths in Bull. Torrey Bot. Club, 43: 86 (1916).

**O. polyacantha** Haworth, Suppl. Pl. Succul. 82 (1819). — Coulter in Contrib. U. S. Nat. Herb. 3: 436 (1896). — Britton & Rose, Cactac. 1: 199, fig. 247 (1919).

- Cactus ferox* Nuttall, Gen. Pl. 1: 296 (1818), non Willdenow (1813).  
*Opuntia media* Haworth, Suppl. Pl. Succul. 82 (1819).  
*Opuntia missouriensis* De Candolle, Prodr. 3: 472 (1828). — Engelm. in Proc. Am. Acad. Arts Sci. 3: 300 (1856).  
*Opuntia sphaerocarpa* var. ? *utahensis* Engelm. in Trans. Acad. Sci. St. Louis, 2: 199 (1863).  
*Opuntia Schueriniana* K. Schumann in Monatsschr. Kakteenk. 9: 148 (1899).

**O. rhodantha** K. Schumann in Monatsschr. Kakteenk. 6: 11 (1896, July), nom. subnud.; Gesamtbeschr. Kakteen, 735 [1898] “sp. nov.” — Schumann ex Späth [Kat.] no. 98 (1896–97): 58 (1896), nom. subnud. — Rehder in Gartenwelt, 1: 90, fig. (1896, Dec.). — Rehder in Möller’s Deutsch. Gärt.-Zeit. 12: 13, fig. (1897). — Britton & Rose, Cactac. 1: 198, t. 35, fig. 2 (1919). — Croizat in Cactus Succ. Jour. 16: 89 (1944).

- Opuntia erinacea* var. *rhodantha* Benson in Proc. Calif. Acad. Sci. ser. 4, 25: 249 (1944).  
*Opuntia utahensis* J. A. Purpus in Monatschr. Kakteenk. 19: 133 (1909).

**O. rhodantha** f. *xanthostema* (K. Schum.) grad. nov.

- Opuntia xanthostema* K. Schumann in Monatsschr. Kakteenk. 6: 111 (1896, July), nom. subnud.; Gesamtbeschr. Kakteen, 735 [1898] “*xanthostemma*.” — J. A. Purpus in Mitt. Deutsch. Dendr. Ges. 1925(35): 64, t. 15 [1926?]  
*Opuntia rhodantha* var. *xanthostemma* Rehder in Jour. Arnold Arb. 7: 149 (1926).  
*Opuntia erinacea* var. *xanthostema* Benson in Leaf. West. Bot. 4: 209 (1945).

**O. fragilis** (Nutt.) Haworth, Suppl. Pl. Succul. 82 (1819). — Britton & Rose, Cactac. 1: 193, fig. 239, t. 35, fig. 1 (1919).

*Cactus fragilis* Nuttall, Gen. Pl. 1: 296 (1818).

*Opuntia fragilis* var. *caespitosa* et var. *tuberiformis* Hort. ex Toumey & Rose in Bailey, Stand. Cycl. Hort. 4: 2363 (1916).

**O. fragilis** var. *brachyarthra* (Engelm. & Bigel.) Coulter in Contrib. U. S. Nat. Herb. 3: 440 (1896).

*Opuntia brachyarthra* Engelm. & Bigelow in Engelm. in Proc. Am. Acad. Arts Sci. 3: 302 (Syn. Cact. 46) (1856).

Fam. **THYMELAEACEAE**

THYMELAEACEAE C. F. Meissner in De Candolle, Prodr. 14: 493 (1857). — Bentham & Hooker f., Gen. Pl. 3: 186 (1880). — NOM. CONSERV. cf. Sprague, Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Thymelaeae* Jussieu, Gen. Pl. 76 (1789). — Lindley, Syn. Fl. Brit. 208 (1829).

*Daphnoideae* Ventenat, Tabl. Règ. Vég. 2: 235 [1799], p. p.

*Daphnaceae* Jaume St. Hilaire, Expos. Fam. Nat. 1: 180 (1805). [— C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 1: 353 (1843) “Daphnaceen”; in Ann. Sci. Nat. Bot. sér. 2, 20: 45 (1843) “Daphnacées.”] — Pfeiffer, Synon. Bot. 135 (1870).

*Thymeleae* L. C. Richard, Démonst. Bot. Anal. Fruit, x (1808).

*Aquilarinae* R. Brown in Tuckey, Narr. Exped. Zaire Congo, 4: 441, in textu (1818), nom. event.

*Thymelineae* Link, Enum. Pl. Hort. Berol. 1: 356 (1821).

*Thymelaeae* 1. *Daphnoideae* et 2. *Gnidiaceae* Berchtold & Presl, Přiroz. Rostlin, 1: sign. 116, p. 1, 2 (1823).

*Thymeleaceae* Reichenbach, Consp. Reg. Veg. 82 (1828), nom. subnud.; Handb. Nat. Pflanzensyst. 169 (1837), p. p. typ.

*Thymelineae* Dumortier, Anal. Fam. Pl. 15, 18 (1829).

*Thymelaeae* Lindley, Nat. Syst. Bot. ed. 2, 194 (1836).

*Aquilaria* Lindley, op. cit. 196 (1836).

[*Daphniaceae*] trib. i. *Gnidiaceae*, trib. ii. *Passerineae*, trib. iii. *Daphneae* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 1: 355 (1843).

**DAPHNE** Linnaeus, Sp. Pl. 356 (1753); Gen. Pl. ed. 5, 167, no. 436 (1754). — Bentham & Hooker f., Gen. Pl. 3: 190 (1880).

*Thymelaeae* Miller, Gard. Dict. abridg. ed. 4, 3 (1754), p. p. — Scopolio, Fl. Carniol. ed. 2, 1: 275 (1772).

*Eriosolena* Blume, Bijdr. Fl. Nederl. Ind. 651 (1825).

*Wikstroemia* Domke in Notizbl. Bot. Gart. Mus. Berlin, 11: 356 (1932) = W. Endl. emend.

LECTOTYPUS: *D. Mezereum* L.

Sect. **GENKWA** Bentham & Hooker f., Gen. Pl. 3: 191 (1880). — Nitsche, Beitr. Kenntn. Daphne, 3 (1907).

**D. Genkwa** Siebold & Zuccarini, Fl. Jap. 1: 137, t. 75 [1841]. — Rehder in Sargent, Pl. Wilson. 2: 538 (1916). — Nakai, Fl. Sylv. Kor. 17: 43, t. 12 (1928).

*Daphne Fortunei* Lindley in Jour. Hort. Soc. Lond. 1: 147 (1846). — Fortune in Jour. Hort. Soc. Lond. 2: 34, t. 1 (1847) “*Fortuni*.”

*Daphne Genkwa* var. *Fortunei* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 7: 69 (Pl. David. 1: 259) (1884).

- Wikstroemia Genkwa* (Sieb. & Zucc.) Domke in Notizbl. Bot. Gard. Mus. Berlin, 11: 363 (1932).
- Sect. MEZEREUM Spach, Hist. Nat. Vég. 10: 439 (1841), p. p. typ. — Keissler in Bot. Jahrb. 25: 30 (1898).
- Daphne* A. *Mezereon* S. F. Gray, Nat. Arrang. Brit. Pl. 2: 265 (1821).
- Mezereum* C. A. Meyer in Bull. Phys. Math. Acad. Sci. St. Pétersb. 1: 358 (1843).
- Daphne* sect. *Eudaphne* § 1. *Mezereum* Gilg in Nat. Pflanzenfam. III. 6: 238 (1894).
- Daphne* sect. *Eudaphne* Nitsche, Beitr. Kenntn. Daphne, 3 (1907), p. p.
- D. Mezereum** Linnaeus, Sp. Pl. 356 (1753). — Schneider, Ill. Handb. Laubh. 2: 402, fig. 272 (1909).
- Thymelaea Mezereum* Scopoli, Fl. Carniol. ed. 2, 1: 276 (1772). — Gaertner, Fruct. Sem. Pl. 1: 188, t. 39, fig. 4 (1788).
- Daphne Mezereum* a. *rubrum* Aiton, Hort. Kew. 2: 25 (1789).
- Thymelaea precox* Gilibert, Exerc. Phytol. 1: 7 (1792).
- Daphne florida* Salisbury, Prodr. Stirp. Chap. Allert. 281 (1796).
- Daphne mezereon* Rafinesque, Autik. Bot. 145 (1840).
- Mezereum officinarum* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 1: 358 (1843).
- Daphne mezereum* a. *typica* Beck, Fl. Nieder-Öster. 2, 1: 597 (1892).
- D. Mezereum** f. *alba* (Weston), grad. nov.
- Daphne Mezereum* 3. *album* Weston, Bot. Univ. 1: 86 (1770). — Aiton, Hort. Kew. 2: 25 (1789) "*β. album*." — Beck, Fl. Nieder-Öster. 2, 1: 597 (1892) "*γ. alba*."
- Daphne albiflora* [J. Wolf in] Oelhafen von Schöllnbach, Abh. Wild. Bäum. Staud. 3: 56, t. 33 (1767).
- Daphne Mezereum* β. *albida* Meissner in De Candolle, Prodr. 14: 531 (1857).
- D. Mezereum** f. *plena* (Rehd.) Schneider, Ill. Handb. Laubh. 2: 402 (1909).
- Daphne Mezereum* var. *alba plena* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 456 (1900).
- D. Mezereum** f. *variegata* (Lowe & Howard), grad. nov.
- Daphne Mezereum* var. *variegatum* Lowe & Howard, Beautif. Leav. Pl. 103, t. 50 (1865).
- D. Mezereum** f. *grandiflora* [Jacques] Schelle in Beissner et al., Handb. Laubh.-Ben. 355 (1903) (f.).
- Daphne Mezereum* var. *grandiflorum* Jacques in Ann. Soc. Hort. Paris, 32: 254 (1843). — Dippel, Handb. Laubh. 3: 192 (1893).
- Daphne Mezereum* var. *autumnalis* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 456 (1900), pro syn. — Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 355 (1903) "f."
- Daphne Mezereum* var. *maxima* Hort. ex Schneider, Ill. Handb. Laubh. 2: 403 (1909) pro syn.
- D. Pseudo-Mezereum** Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 404 (Diagn. Char. Sp. Jap.) (1859). — Tanaka, Useful Pl. Jap. 2: fig. 502 [1895].
- D. kamtschatica** Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 237 (Prim. Fl. Amur.) (1859). — Komarov in Act. Hort. Petrop. 25: 79 (Fl. Mansh. III.) (1905) "*kamczatika*." — Nakai, Fl. Sylv. Kor. 17: 45, t. 13 (1929).
- Sect. LAUREOLA Spach, Hist. Nat. Vég. Phan. 10: 444 (1841). — Meissner in De Candolle, Prodr. 14: 538 (1857). — Keissler in Bot. Jahrb. 25: 30 (1898).
- Daphne* v. *Laureola* S. F. Gray, Nat. Arr. Brit. Pl. 2: 266 (1821).
- Daphne* sect. *Thymelaea* et sect. *Laureoloides* Spach, Hist. Nat. Vég. Phan. 10: 440, 444 (1841).
- Daphne* 1. *Eudaphne* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 1: 358 (1843, April); in Ann. Sci. Nat. Bot. sér. 2, 20: 51 (1843, July); "*Eu-Daphne*." — Bentham & Hooker f., Gen. Pl. 3: 191 (1880), exclud. *D. Mezereum*. — Nitsche, Beitr. Kenntn. Daphne, 3 (1907), exclud. *D. Mezereum*.
- Daphne* sect. *Eudaphne* §. *Gnidium*, §. 3. *Sophia*, §. 4. *Laureola* Gilg in Nat. Pflanzenfam. III. 6: 238 (1894).
- Daphne* sect. *Daphnanthes* subsect. *Alpinæ* Keissler in Bot. Jahrb. 25: 33 (1898).
- Typus: *D. Laureola* L.
- D. Laureola** Linnaeus, Sp. Pl. 356 (1753). — Schneider, Ill. Handb. Laubh. 2: 399, fig. 268h-k, 269c-d (1909).
- Thymelaea Laureola* Scopoli, Fl. Carniol. ed. 2, 1: 276 (1772).
- Daphne major* Lamarck, Fl. Franç. 3: 221 (1778).
- Daphne sempervirens* Salisbury, Prodr. Stirp. Chap. Allert. 281 (1796).
- Daphne multiflora* Grateloup in Bull. Soc. Linn. Bordeaux, 2: 71 [1828].
- D. Laureola** var. *Philippi* (Gren.) Meissner in De Candolle, Prodr. 14: 539 (1857) "*γ?*"
- Daphne Philippi* Grenier & Godron in Arch. de Flore 282 [1853]; Fl. France, 3: 58 (1855).
- D. Houtteana** [*D. Laureola* × *Mezereum*] Lindley & Paxton in Paxton's Flow. Gard. 1: 170 (1851). — Schneider, Ill. Handb. Laubh. 2: 400 (1909).
- Daphne Mezereum* fol. *atropurpureis* Van Houtte in Fl. des Serr. 6: 187, t. 592 (1850).
- Daphne altaica* var. *purpurea* Regel in Index Sem. Hort. Petrop. 1860: 34 (1860, Jan.); in Gartenfl. 9: 159 (1860).
- Daphne Van Houttei* Hort. ex Regel, l. c. (1860), pro syn.
- Daphne Laureola* × *Mezereum* ? Koehne, Deutsche Dendr. 425 (1893).
- Daphne Mezereum* a. *atropurpurea* Dippel, Handb. Laubh. 3: 191 (1893).
- Daphne Laureola* f. *purpurea* Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 357 (1903), nom.
- D. pontica** Linnaeus, Sp. Pl. 357 (1753). — Boissier, Fl. Or. 4: 1050 (1879).
- D. glomerata** Lamarck, Encycl. Méth. Bot. 3: 438 [1791]. — Boissier, op. cit. 1049 (1879).
- Daphne comosa* Adam in Beitr. Naturkunde Kiel (Weber & Mohr) 1: 53 (1805).
- Daphne imerica* K. Koch in Linnaea, 22: 613 (1849).
- D. Giraldii** Nitsche, Beitr. Kenntn. Daphne, 7 (1907). — Rehder in Sargent, Pl. Wilson. 2: 545 (1915). — Stapf in Bot. Mag. 143: t. 8732 (1917).
- D. altaica** Pallas, Fl. Ross. 1, 1: 53, t. 35 (1784). — Keissler in Bot. Jahrb. 29: 37 (1898). — Sukatchef in Trudy Bot. Sad. Jurjev. Univ. 1: 137 (1900).
- Daphne caucasica* sensu Hooker f. in Bot. Mag. 120: t. 7388 (1894), non Pallas (1784).
- Daphne indica* sensu Schangin ex Pallas in Neue Nord. Beitr. 6: 109 (1793), nom.; non Linnaeus (1753).
- D. caucasica** Pallas, Fl. Ross. 1, 1: 53 (1784). — Keissler in Bot. Jahrb. 25: 27 (1898). — Schneider, Ill. Handb. Laubh. 2: 401, fig. 270c-d, 271i-l (1909).

**Daphne caucasica** (*continued*)

*Daphne salicifolia* Lamarck, Encycl. Méth. Bot. **3**: 438 [1791].

*Daphne euphorbioides* Mussin & Pushkin ex Steudel, Nomencl. Bot. ed. 2, **1**: 483 (1840), pro syn.

*Daphne caucasica*  $\beta$ . *cognata* K. Koch in Linnaea, **22**: 611 (1849).

**D. Burkwoodii** (*D. caucasica*  $\times$  *Cneorum*) [Burkwood] ex Jour. Hort. Soc. Lond. **60**: 319 (1935), nom. subnud.—Burkwood & Skipwith [Cat.] **11**, fig. [1936 ?]: ed. alt. 13, fig. [1937 ?].

**D. Sophia** Kaleniczenko in Bull. Soc. Nat. Moscou, **22**, **1**: 311, t. 3 (1849); **46**, **2**: 152 (1874).—Golenkin in Bot. Centralbl. **78**: 74 (1899).

**D. alpina** Linnaeus, Sp. Pl. 356 (1753).—Keissler in Bot. Jahrb. **25**: 44 (1898).

*Thymelaea candida* Scopoli, Fl. Carniol. ed. 2, **1**: 277 (1772).

*Thymelaea alpina* Allioni, Fl. Pedem. **1**: 132 (1785).

*Daphne candida* Vitman, Summa Pl. Meth. Linn. **2**: 514 (1789).

Sect. DAPHNANTHES C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **1**: 358 (1843, April); in Ann. Sci. Nat. Bot. ser. 2, **20**: 51 (1843, July).—Meissner in De Candolle, Prodr. **14**: 534 (1857).—Bentham & Hooker f., Gen. Pl. **3**: 190 (1880).—Keissler in Bot. Jahrb. **25**: 33 (1898), exclud. subsect. *Alpinae*.

*Daphne* c. *Cneorum* S. F. Gray, Nat. Arr. Brit. Pl. **2**: 266 (1821).

*Daphne* sect. *Gnidium* Spach, Hist. Nat. Vég. Phan. **10**: 440 (1841).

*Daphne* sect. **III**. *Daphnanthoides* Gilg in Nat. Pflanzenfam. **III**. **6**: 238 (1894).

**D. oleoides** Schreber, Icon. Descr. Pl. **13**, t. 7 (1766).—Keissler in Bot. Jahrb. **25**: 50 (1898).

*Daphne buxifolia* Vahl, Symb. Bot. **1**: 29 (1790).

*Daphne glandulosa* Bertoloni, Amoen. Ital. 356 (1819).—Tenore, Fl. Neap. Prodr. app. **4**: 18 (1823).

*Daphne lucida* Loiseleur in Mém. Soc. Linn. Paris, **4**: 409 (1826).

*Daphne jasminea* sensu Grisebach, Spicil. Fl. Rumel. **2**: 320 (1844), non Sibthorp & Smith (1823).

*Daphne oleoides*  $\beta$ . *jasminea* Meissner in De Candolle, Prodr. **14**: 534 (1857), non *D. jasminea* Sibthorp & Smith (1823).

*Daphne oleoides* a. *brachyloba* Meissner, l. c. (1857).

*Daphne oleoides* var. *glandulosa* et var. *buxifolia* Keissler in Bot. Jahrb. **25**: 50 (1898).

**D. collina** Smith, Spicileg. Bot. **2**: t. 18 (1792).—Keissler in Bot. Jahrb. **25**: 97 (1898).

*Daphne australis* Cirillo, Pl. Rar. Reg. Neap. fasc. **3**: t. 16 [1792] ined. ex Tenore, Syll. Pl. Vasc. Fl. Neap. **191** (1831), pro syn.—Lindley in Bot. Reg. **24**: t. 56 (1838).

**D. collina** var. *neapolitana* (Lodd.) Lindley in Bot. Reg. **10**: t. 822 (1824) " $\beta$ ."—Meissner in De Candolle, Prodr. **14**: 535 (1857) " $\beta$ ."

*Daphne napolitana* Loddiges, Bot. Cab. **8**: t. 719 (1823).

*Daphne Elisae* Visiani, Rev. Pl. Min. Cognit. Hort. Patav. **4** (1855); in Mem. Istit. Venet. Sci. **6**: 247, t. 2 (III. Pianta Nuov. Mem. **III**) (1856).

*Daphne Delahayana* Hort. ex Visiani, l. c. (1856), pro syn.

*Daphne Cneorum*  $\times$  *sericea* Koehne, Deutsche Dendr. **425** (1893).

*Daphne Cneorum* var. *maximum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[1]**: 456, sub no. 4 (1900), pro syn.

**D. sericea** Vahl, Symb. Bot. **1**: 28 (1790).—Keissler in Bot. Jahrb. **25**: 99 (1895).

**D. petraea** Leybold in Flora, **36**: 81 (1853); **38**: 346, t. 13 (1855).—Keissler in Bot. Jahrb. **25**: 87 (1898).

*Daphne rupestris* Facchini in herb. ex Keissler, l. c. (1898), pro syn.

**D. arbuscula** Čelakovsky in Sitzber. Böhm. Ges. Wiss. **1890**, **1**: 215 (1890).—Keissler in Bot. Jahrb. **25**: 84 (1898).

**D. Cneorum** Linnaeus, Sp. Pl. 357 (1753).—Keissler in Bot. Jahrb. **25**: 77 (1895).

*Thymelaea Cneorum* Scopoli, Fl. Carniol. ed. 2, **1**: 276 (1772).

*Daphne odorata* Lamarck, Fl. Franç. **3**: 222 (1778).

*Daphne prostrata* Salisbury, Prodr. Stirp. Chap. Allert. **281** (1796).

*Thymelaea odorata* Bubani, Fl. Pyrén. **1**: 134 (1897).

**D. Cneorum** f. *major* [Dippel] Schelle in Beissner et al., Handb. Laubh.-Ben. 356 (1903).

*Daphne Cneorum* a. *major* Dippel, Handb. Laubh. **3**: 195 (1893).—Rehder in Bailey, Cycl. Am. Hort. **[1]**: 456 (1900) "var. *majus*."

?*Daphne Cneorum maxima* hort. ex Schelle, l. c. (1903), pro syn.

**D. Cneorum** var. *Verloti* Meissner in De Candolle, Prodr. **14**: 533 (1847) " $\beta$ ."

*Daphne Verloti* Grenier & Godron, Fl. France, **3**: 59 (1855).

**D. striata** Trattinnick, Archiv. Gewächsk. **1**: 20, t. 133 (1812).—Keissler in Bot. Jahrb. **25**: 82 (1898).

*Daphne Cneorum* sensu Wahlenberg, Veg. Clim. Helv. **72** (1813), non Linnaeus (1753).

*Daphne Cneorum*  $\pi$ . Gaudin, Fl. Helv. **3**: 31 (1828).

*Daphne Cneorum*  $\gamma$ . Mertens & Koch in Roehling, Deutschl. Fl. ed. 3, **3**: 46 (1831).

**D. aurantiaca** Diels in Notes Bot. Gard. Edinb. **5**: 285 (1912).—Stapf in Bot. Mag. **156**: t. 9313 (1933).

*Wikstroemia aurantiaca* Domke in Notizbl. Bot. Gart. Mus. Berlin, **11**: 358, fig. 8: 7–9 (1932).

**D. Blagayana** Freyer in Flora, **21**, **1**: 176 (1838).—Keissler in Bot. Jahrb. **25**: 102 (1898).

*Daphne alpina* sensu Baumgarten, Enum. Stirp. Transsilv. **1**: 334 (1815), non Linnaeus (1753).

*Daphne Lerchenfeldiana* Schur, Enum. Pl. Transsilv. **588** (1866).

**D. odora** Thunberg, Fl. Jap. 159 (1784).—Keissler in Bot. Jahrb. **25**: 89 (1898).—Rehder in Sargent, Pl. Wilson. **2**: 545 (1916).

*Daphne triflora* Loureiro, Fl. Cochinch. 236 (1790).

*Daphne japonica* Thunberg, Mus. Nat. Acad. Upsal. **13**: 106 (1792).—Keissler in Bot. Jahrb. **25**: 88 (1898).—Schneider, Ill. Handb. Laubh. **2**: 399, fig. 270b (1909).

*Daphne speciosissima* Carrière in Rev. Hort. **1867**: 300 (1867).

*Daphne Mazeli* Carrière in op. cit. **1872**: 392, t. (1872).

*Daphne odora* var. *Mazeli* Hemsley in Garden, **14**: 442, t. (1878).

**D. hybrida** [*D. collina* × *odora*] Colville ex Sweet, Brit. Flow. Gard., ser. 1, 2: t. 200 (1827). — Lindley in Bot. Reg. 14: t. 1177 (1828).

*Daphne Delphinium* Hort. ex Lindley, l. c. (1828), pro syn.

*Daphne delphinia* Hort. et *D. dauphinii* Hort. ex Loudon, Arb. Brit. 3: 1314 (1838), pro syn.

*Daphne sinensis* β. *hybrida* Meissner in De Candolle, Prodr. 14: 537 (1857). — Keissler in Bot. Jahrb. 25: 92, in nota (1898).

*Daphne Delphini* Hort. ex Meissner, l. c. (1857), pro syn.

*Daphne Fionina* et *D. Versaliensis* Hort. ex K. Koch, Dendr. 2, 1: 380 (1872), pro syn.

*Daphne Fioniana* et *D. hyemalis* Hort. ex Dippel, Handb. Laubh. 3: 199 (1893), pro syn.

**D. retusa** Hemsley in Jour. Linn. Soc. Lond. Bot. 29: 318 (1893). — Rehder in Sargent, Pl. Wilson. 2: 541 (1916).

**D. tangutica** Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 531 (in Mém. Biol. 11: 309) (1883). — Rehder in Jour. Arnold Arb. 9: 97 (1928); 15: 104 (1934).

*Daphne Bodinieri* Léveillé in Bull. Géog. Bot. 25: 42 (1915), non Léveillé (1914) = *Alyxia Bodinieri* (Lévl.) Woodson.

*Daphne Wilsonii* Rehder in Sargent, Pl. Wilson. 2: 540 (1916).

**D. acutiloba** Rehder in Sargent, Pl. Wilson. 2: 539 (1916).

**WIKSTROEMIA** Endlicher, Prodr. Fl. Norfolk. 47 (1833) "*Wickstroemia*." — Bentham & Hooker f., Gen. Pl. 3: 193 (1880). — Domke in Notizbl. Bot. Gart. Mus. Berlin, 11: 359 (1932), emend. — Nom. Conserv. cf. Règl. Intern. Nomencl. Bot. 86, no. 5446 (1906).

*Daphne* Linnaeus, Sp. Pl. 356 (1753), p. p. quoad sp. 7.

*Capura* Linnaeus, Mant. Pl. 2: 149 (1771).

*Diplomorpha* Meissner in Denkschr. Bot. Ges. Regensb. 3: 289 (1841).

?*Restella* Pobedimova in Jour. Bot. U. R. S. S. 26: 35, fig. (1941).

Typus: *W. australis* Endl.

**W. Chamaedaphne** (Bge.) Meissner in De Candolle, Prodr. 14: 547 (1857). — Rehder in Sargent, Pl. Wilson. 2: 536 (1916).

*Passerina Chamaedaphne* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 132 (Enum. Pl. Chin. Bor. 58. 1833) (1835).

*Diplomorpha Chamaedaphne* C. A. Meyer in Bull. Acad. Sci. St. Pétersb. sér. 2, 1: 358 (1843).

**DIRCA** Linnaeus, Sp. Pl. 358 (1753); Gen. Pl. ed. 5, 167, no. 437 (1754). — Bentham & Hooker f., Gen. Pl. 3: 191 (1880).

Typus: *D. palustris* L.

**D. palustris** Linnaeus, l. c. (1753). — Britton & Brown, Ill. Fl. N. U. S. 2: 466, fig. 2535 (1897).

### Fam. ELAEAGNACEAE

**ELAEAGNACEAE** Horaninov, Prim. Lin. Syst. Nat. 60 (1834). — Lindley, Nat. Syst. Bot. ed. 2, 194 (1836). — Bentham & Hooker f., Gen. Pl. 2: 204 (1873). — Servettaz in Bot. Centralbl. Beih. 25, 2: 1–420, ill. (Monog. Eléagnac.) (1909).

*Elaeagnoidae* Ventenat, Tabl. Règ. Vég. 2: 232 [1799].

*Elaeagneae* Batsch, Tab. Affin. Reg. Veg. 183 (1802). — De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 351 (1805); Syn. Pl. Fl. Gall. 189 (1806).

*Santaleae* c. *Elaeagneae* Reichenbach, Consp. Reg. Veg. 80 (1828), nom. subnud.

*Elaeagnideae* Dumortier, Anal. Fam. Pl. 15, 18 (1829).

*Proteaceae* a. *Elaeagneae* Reichenbach, Fl. Germ. Excurs. 1: 162 (1830).

**HIPPOPHAE** Linnaeus, Sp. Pl. 1023 (1753); Gen. Pl. ed. 5, 449, no. 983 (1754). — Bentham & Hooker f., Gen. Pl. 2: 204 (1880) "*Hippophaë*". — Servettaz, Monog. Eléagnac. 5 (1909).

*Rhamnoides* Moench, Meth. Pl. 343 (1794).

*Hippophaës* St.-Lager in Ann. Soc. Bot. Lyon, 7: 88 (1880).

Typus: *H. Rhamnoides* L.

**H. Rhamnoides** Linnaeus, Sp. Pl. 1023 (1753). — Servettaz, Monog. Eléagnac. 5 (1909).

*Osyris Rhamnoides* Scopoli, Fl. Carniol. ed. 2, 2: 261 (1772).

*Rhamnoides Hippophaë* Moench, Meth. Pl. 343 (1794).

*Hippophaë littoralis* Salisbury, Prodr. Stirp. Chap. Allert. 71 (1796).

*Hippophaë rhamnoides* v. *H. r. sibirica* Hort. Belv. ex Steudel, Nomencl. Bot. 410 (1821), nom.

*Hippophaë Rhamnoides* var. *angustifolia* Loddiges ex Loudon, Arb. Brit. 3: 1325 (1838).

*Hippophaë sibirica* Loddiges ex Loudon, l. c. (1838), pro syn.

*Hippophaës rhamnoideum* St.-Lager ex B. D. Jackson, Index Kew. 1: 1164 (1895), pro syn.

*Hippophaë rhamnoides* subsp. *eu-rhamnoides* Servettaz, Monog. Eléagnac. 9 (1909).

**H. rhamnoides** var. *procera* Rehder in Bailey, Stand. Cycl. Hort. 3: 1495 (1915, May); in Sargent, Pl. Wilson. 2: 409 (1915, Dec.).

**H. salicifolia** D. Don, Prodr. Fl. Nepal. 68 (1825). — Brandis, Ind. Trees, 546 (1906).

*Hippophaë conferta* Wallich, Num. List, no. 4032 [1830], nom.

*Hippophaë fasciculata* Wall. et *H. nepalensis* Hort. ex Steudel, Nomencl. Bot. 1: 769 (1840), pro syn.

*Hippophaë rhamnoides* subsp. *salicifolia* Servettaz, Monog. Eléagnac. 18 (1909).

**SHEPHERDIA** Nuttall, Gen. N. Am. Pl. 2: 240 (1818). — Bentham & Hooker f., Gen. Pl. 2: 204 (1880). — Nom. Conserv. cf. Règl. Intern. Nomencl. Bot. 86, no. 5471 (1906).

*Hippophaë* Linnaeus, Sp. Pl. 1023 (1753), p. p. quoad no. 2.

*Lepargyrea* Rafinesque in Am. Monthly Mag. 2: 176 (1818).

*Lepargyreia* Schlechtendal in De Candolle, Prodr. 14: 607 (1857).

Typus: *Hippophaë canadensis* = *S. canadensis* (L.) Nutt.

**S. canadensis** (L.) Nuttall, Gen. N. Am. Pl. 2: 240 (1818). — Servettaz, Monog. Eléagnac. 20 (1909).

*Hippophaë canadensis* Linnaeus, Sp. Pl. 1024 (1753).

*Lepargyrea canadensis* Greene in Pittonia, 2: 122 (1890). — Britton & Brown, Ill. Fl. N. U. S. 2: 467, fig. 2537 (1897).

*Elaeagnus canadensis* A. Nelson in Am. Jour. Bot. 22: 682 (1935).

**S. canadensis** f. *xanthocarpa* Rehder in Mitt. Deutsch. Dendr. Ges. 1907(16) 75 [1908]; in Repert. Sp. Nov. Reg. Veg. 7: 360 (1909).

**Shepherdia** (*continued*)

**S. argentea** (Pursh) Nuttall, Gen. N. Am. Pl. 2: 240 (1818).—Servettaz, Monog. Eléagnac. 22 (1909).

*Elaeagnus argentea* [Nuttall] in Cat. New Pl. Fraser's Nurs. (1813); repr. in Pittonia, 2: 117 (1890), nom.

*Hippophae argentea* Pursh, Fl. N. Am. 1: 115 (1814).

*Lepargyrea argentea* Greene in Pittonia, 2: 122 (1890).—Britton & Brown Ill. Fl. N. U. S. 2: 468, fig. 2538 (1897).

*Elaeagnus utilis* A. Nelson in Am. Jour. Bot. 22: 682 (1935).

**S. gottingensis** (*S. argentea* × *canadensis*) (Rehd.) Rehder, Man. Cult. Trees Shrubs, 649 (1927).

*Lepargyrea Gottingensis* Rehder in Mitt. Deutsch. Dendr. Ges. 1894(3): 42 (1894).

**ELAEAGNUS** Linnaeus, Sp. Pl. 121 (1753); Gen. Pl. ed. 5, 57, no. 148 (1754).—Bentham & Hooker f., Gen. Pl. 3: 204 (1880).—Servettaz, Monog. Eléagnac. 24 (1909).

*Ocarrillum Loureiro*, Fl. Cochinch. 90 (1790).

*Aleagnus Cavanilles*, Descr. Pl. Lecc. Publ. 350 (1802).

LECTOTYPUS: *E. angustifolia* L.

**E. angustifolia** Linnaeus, Sp. Pl. 121 (1753).—Schneider, Ill. Handb. Laubh. 2: 409, fig. 279a-g (1909).

*Elaeagnus inermis* Miller, Gard. Dict. ed. 8, E. no. 2 (1768).

*Elaeagnus argentea* Moench, Meth. Pl. 638 (1794).

*Aleagnus angustifolia* Cavanilles, Descr. Pl. Lecc. Publ. 350 (1802).

*Elaeagnus hortensis* Bieberstein, Fl. Taur.-Cauc. 1: 112 (1808).—Servettaz, Monog. Eléagnac. 33, fig. 7 (1909).

*Elaeagnus hortensis* a. *angustifolia* Schlechtendal in De Candolle, Prodr. 14: 609 (1857).

*Elaeagnus hortensis* subsp. *angustifolia* a. *typica* subvar. *gymnanthera* Servettaz, Monog. Eléagnac. 35 (1909).

*Elaeagnus angustifolia* var. a. *angustifolia* Schneider, Ill. Handb. Laubh. 2: 409 (1909).

**E. angustifolia** var. *spinosa* (L.) Kuntze in Act. Hort. Petrop. 10: 235 (1887) "a."—Schneider, Ill. Handb. Laubh. 2: 410, fig. 278q-s (1909).

*Elaeagnus spinosa* Linnaeus praes. (resp. E. Torner) Cent. II. Pl. 8 (1756); Amoen. Acad. 4: 305 (1788).—Miller, Gard. Dict. ed. 8, E. no. 1 (1768).

*Elaeagnus rotundifolia* et *E. latifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 12 [1782], nom.—C. F. Ludwig, Neu. Wilde Baumz. 17 (1783), nom.

*Elaeagnus hortensis* δ. Bieberstein, Fl. Taur.-Cauc. 1: 113 (1808).

*Elaeagnus angustifolia* var. *latifolia* et var. *sativa* Hort. nonn. ex Schneider, Ill. Handb. Laubh. 2: 410 (1909), pro syn.

*Elaeagnus hortensis* subsp. *angustifolia* var. *typica* Servettaz, Monog. Eléagnac. 35 (1909), p. p.

**E. angustifolia** var. *orientalis* (L.) Kuntze in Act. Hort. Petrop. 10: 235 (1887) "e."—Schneider, Ill. Handb. Laubh. 2: 410 (1909).

*Elaeagnus orientalis* Linnaeus, Mant. Pl. 41 (1767).

*Elaeagnus incanus* Lamarck, Fl. Franç. 3: 476 (1778), exclud. syn.

*Elaeagnus tomentosa* Moench, Meth. Pl. 638 (1794).

*Elaeagnus hortensis* γ. Bieberstein, Fl. Taur.-Cauc. 1: 113 (1808).

*Elaeagnus emarginata* Colla, Herb. Pedem. 5: 92 (1833) "sp. dubia."

*Elaeagnus laetevirens* Lindberg in Act. Soc. Sci. Fenn. 10: 125, t. 3 (1875).

*Elaeagnus sativa* Hort. ex Dippel, Handb. Laubh. 3: 207 (1893), pro syn.

*Elaeagnus hortensis* subsp. *angustifolia* β. *orientalis* Servettaz, Monog. Eléagnac. 38 (1909).

**E. commutata** Bernhardt in Allgem. Thüring. Gartenzeit. 2: 137 (1843), nom.

*Elaeagnus argentea* Pursh, Fl. Am. Sept. 1: 114 (1814).—Britton & Brown, Ill. Fl. N. U. S. 2: 467, fig. 2536 (1897).—Non Moench (1794).

*Elaeagnus argentea* subsp. *eu-argentea* Servettaz in Bull. Herb. Boissier, sér. 2, 8: 383 (1908); Monog. Eléagnac. 47 (1909).

**E. umbellata** Thunberg, Fl. Jap. 66 (1784).—Thunberg mss. ex Murray in Linnaeus, Syst. Veg. ed. 14, 163 (1784).—Schlechtendal in De Candolle Prodr. 14: 614 (1857).—Servettaz, Monog. Eléagnac. 49, fig. 9 (1909).—Rehder in Sargent, Pl. Wilson. 2: 410 (1915), p. p.; in Jour. Arnold Arb. 18: 226 (1937).

*Elaeagnus crispa* Thunberg, Fl. Jap. 66, t. 14 (1784).—Schlechtendal in De Candolle, Prodr. 14: 614 (1857).—Nakai, Fl. Sylv. Kor. 17: 10 (1928).

*Elaeagnus umbellata* subsp. *eu-umbellata* a. *typica* Servettaz, Monog. Eléagnac. 52 (1909).

*Elaeagnus Argyi* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 101 (1913).

*Elaeagnus coreanus* Léveillé, l. c. (1913).

*Elaeagnus umbellata* var. *coreana* Léveillé, Cat. Pl. Yun-Nan, 83 (1916).

*Elaeagnus crispa* var. *typica* Nakai, Fl. Sylv. Kor. 17: 10, t. 1 (1928).

*Elaeagnus crispa* var. *parvifolia* Nakai, op. cit. 17: 11 (1928), p. p. exclud. syn. Royle.

*Elaeagnus crispa* var. *coreana* Nakai, op. cit. 12, t. 2 (1928).

**E. umbellata** var. *parvifolia* (Royle) Schneider, Ill. Handb. Laubh. 2: 411 fig. 280d-e (1909).

*Elaeagnus umbellata* sensu D. Don, Prodr. Fl. Nepal. 68 (1825).—Hooker f., Fl. Brit. Ind. 5: 201 (1870).—K. Koch, Dendr. 2, 1: 389 (1872), p. p.—Rehder in Sargent, Pl. Wilson. 2: 40 (1915), p. p.—Non Thunberg (1784).

*Elaeagnus parvifolia* Wallich, Num. List, no. 4026 [1830], nom.—Royle Ill. Bot. Himal. 323, t. 81, fig. 1 [1836].—Schlechtendal in De Candolle, Prodr. 14: 612 (1857).

*Elaeagnus salicifolia* Don ex Loudon, Arb. Brit. 3: 1324, fig. 1205 (1838); Encycl. Trees Shrubs, 546, t. 1366 (1842).—Schlechtendal in Linnaea, 30: 367 (1860).

?*Elaeagnus padifolia* Hort. ex K. Koch, Dendr. 2, 1: 390 (1872), pro syn.

*Elaeagnus umbellata* subsp. *parvifolia* Servettaz in Bull. Herb. Boissier, sér. 2, 8: 383 (1908); Monog. Eléagnac. 55 (1909).

*Elaeagnus umbellata* subsp. *parvifolia* a. *genuina* Servettaz in op. cit. 56 (1909).

*Elaeagnus crispa* var. *parvifolia* Nakai, Fl. Kor. Sylv. 17: 11 (1928), p. p. quoad syn. Royle.

**E. multiflora** Thunberg, Fl. Jap. 66 (1784).—Servettaz, Monog. Eléagnac. 58, fig. 10 (1909).—Rehder in Sargent, Pl. Wilson. 2: 412 (1915).

*Elaeagnus longipes* Gray in Mem. Am. Acad. Arts Sci., n. ser. 6: 405 (1859).—Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 15: 378 (in Mém. Biol. 7: 56. 1871) (1870).

*Elaeagnus longipes* a. *hortensis* Maximowicz, l. c. (l. c. 1871) (1870).

*Elaeagnus edulis* Carrière in Rev. Hort. 1869: 300 (1869).—Siebold ex May in Rev. Hort. 1876: 18 (1876).

- Elaeagnus odorata edulis* Hort. ex Lavallée, Arb. Segrez. 189 (1877), pro syn.
- Elaeagnus Kologa* C. Salomon in Gartenfl. 28: 11 (1879).
- Elaeagnus multiflora* subsp. *eu-multiflora* a. *hortensis* Servettaz, Monog. Eléagnac. 59 (1909).
- Elaeagnus multiflora* var. *edulis* Schneider, Ill. Handb. Laubh. 2: 412, fig. 279p (1909).
- E. multiflora** var. **ovata** (Maxim.) Servettaz, Monog. Eléagnac. 61, fig. 10, 2, 11 (1909) "subsp. *eu-multiflora* β. o."
- Elaeagnus longipes* β. *ovata* Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 15: 378 (in Mém. Biol. 7: 560. 1871) (1870).
- ?*Elaeagnus multiflora* var. *typica* Schneider, Ill. Handb. Laubh. 2: 412 (1909).
- E. macrophylla** Thunberg in Nov. Act. Soc. Sci. Upsal. 4: 38 (1783); Fl. Jap. 67 (1784).—Servettaz, Monog. Eléagnac. 67 (1909).—Nakai, Fl. Sylv. Kor. 17: 16, t. 4 (1928).
- Elaeagnus macrophylla* var. *typica* Schneider, Ill. Handb. Laubh. 2: 415, fig. 281a-b, 282g-h (1909).
- ?*Elaeagnus fruitlandi* P. J. Berckmans Co., Fruitland Nurs. [Cat.] 1926/27: 18 (1926) "*E. macrophylla* × *Simoni*."
- E. glabra** Thunberg, Fl. Jap. 67 (1784).—Thunberg ex Murray in Linnaeus, Syst. Veg. ed. 14, 164 (1784).—Nakai, Fl. Sylv. Kor. 17: 14 (1928).
- Elaeagnus glabra* subsp. *eu-glabra* Servettaz in Bull. Herb. Boissier, sér. 2, 8: 386 (1908); Monog. Eléagnac. 73 (1909).
- E. pungens** Thunberg, Fl. Jap. 68 (1784).—Servettaz, op. cit. 77, fig. 11 (1909).—Schneider, Ill. Handb. Laubh. 2: 413, fig. 281d-g, 282a (1909).
- ?*Elaeagnus rotundifolia* Hort. ex Gagnaire in Rev. Hort. 1870: 540 [1871], non Gordon, Dermer & Edmonds [1782].
- Elaeagnus ferruginea* sensu Dippel, Handb. Laubh. 3: 212, fig. 114 (1893), non A. Richard (1792).
- Elaeagnus glabra* Hort. ex Dippel, l. c. (1893), pro syn.; non Thunberg (1784).
- ?*Elaeagnus sinensis* Hort. ex Koehne, Deutsche Dendr. 428 (1893), pro syn.
- Elaeagnus pungens* subsp. *eupungens* a. *typica* Servettaz in Bull. Herb. Boissier, sér. 2, 8: 387 (1908); Monog. Eléagnac. 79 (1909).
- E. pungens** f. **aurea** (Servettaz), grad. nov.
- Elaeagnus pungens* fol. *aureo-marg.* Jacob-Mackoy in Belg. Hort. 14: 356 (1864).
- ?*Elaeagnus pungens* f. *aureo-marginata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 359 (1903), nom.
- Elaeagnus pungens* subsp. *eu-pungens* γ. *aurea* Servettaz, Monog. Eléagnac. 80 (1909).—Bean, Trees Shrubs Brit. Isl. 1: 508 (1914) "*E. p.* var. *a.*"
- E. pungens** f. **variegata** (Rehd.), grad. nov.
- Elaeagnus pungens* var. *variegata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 526 (1900); in Bailey, Stand. Cycl. Hort. 2: 1106 (1914), exclud. syn. Servettaz.—Bean, Trees Shrubs Brit. Isl. 1: 508 (1914).
- Elaeagnus pungens* f. *Simoni variegata* hort. ex Schelle in Beissner et al., 359 (1903), nom.
- E. pungens** f. **Frederici** (Bean), grad. nov.
- Elaeagnus Frederici variegata* Ilsemann in Deutsch. Mag. Gart.-Blumenk. 41: 77 (1888).
- Elaeagnus pungens* var. *Frederici variegata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 526 (1900).—Servettaz, Monog. Eléagnac. 80 (1909) "subsp. *eu-pungens* δ. *F. v.* (Il.)"
- Elaeagnus pungens* var. *Frederici* Bean, Trees Shrubs Brit. Isl. 1: 508 (1914).
- Elaeagnus pungens aureo-picta* Hort. ex Bean, l. c. (1914), pro syn.
- Elaeagnus pungens* var. *aureo-variegata* Bean, l. c. (1914).—Osborn in Gard. Chron. ser. 3, 117: 89, fig. 48 (1945).
- Elaeagnus pungens aureo-maculata* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 1106 (1914), pro syn.
- E. pungens** f. **maculata** (Veitch), grad. nov.
- Elaeagnus pungens* var. *maculata* Veitch ex Gardening World, 8: 71, 133, fig. (1891); in Jour. Hort. Soc. Lond. 13: clix (1891) "*E. p. m.*"—[Berckmans in] Am. Florist, 23: 1015, fig. (1905).—Schneider in Gartenschönh. 20: 140, fig. (1939).
- E. pungens** var. **Simoni** (Carr.) [Nicholson] in Kew Hand-list Trees Shrubs, 2: 129 (1896).—Servettaz, Monog. Eléagnac. 81 (1909) "subsp."
- Elaeagnus Simoni* Carrière in Rev. Hort. 1869: 100 (1869); 1873: 19 (1873).
- E. pungens** var. **reflexa** (Morr. & Decne.) Schneider, Ill. Handb. Laubh. 2: 413, fig. 281h (1909, Aug.).
- Elaeagnus reflexa* Morren & Decaisne in Bull. Acad. Sci. Belg. 3: 171 (1836).—Schlechtendal in Linnaea, 25: 191 (1852).—Rehder in Bailey, Cycl. Am. Hort. [2]: 526 (1900) "*E. glabra* × *pungens*."
- Elaeagnus pungens* subsp. *reflexa* Servettaz, Monog. Eléagnac. 82 (1909).

## Fam. LYTHRACEAE

- LYTHRACEAE Lindley, Nat. Syst. Bot. ed. 2, 100 (1836).—Koehne in Engler, Pflanzenreich, IV. 216 (Heft 17): 1-326, fig. (1903).—NOM. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935) et Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).
- Salicarieae Adanson, Fam. Pl. 2: 232 (1763).
- Lythraeae Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 490 (1770).
- Plurontophyta Necker, Elem. Bot. 2: 107 (1791), p. p.
- Calycanthemae Ventenat, Tabl. Règ. Vég. 3: 298 (1799), p. p.
- Lythraeae Jaume St. Hilaire, Expos. Fam. Nat. 2, 175, t. 101 (1805).
- Salicarieae A. St. Hilaire in Mém. Mus. Hist. Nat. Paris, 2: 377 (1815).
- Salicariae Link, Enum. Pl. Hort. Bot. Berol. 1: 142 (1821).
- Lythraeae Reichenbach in Mössler, Gemein. Handb. Gewächsk. ed. 2, 1: liv (1827), p. p.
- Lythraeae De Candolle, Prodr. 3: 75 (1828).
- Ammanaceae Horaninov, Prim. Lin. Syst. Nat. 86 (1834).
- Lythraeae Blume, Mus. Bot. Lugd.-Bat. 2: 124 (1852).
- Salicariae K. Koch, Hort. Dendr. 108 (1853).
- HEIMIA** Link, Enum. Pl. Hort. Bot. Berol. 2: 3 (1822).—Koehne in Engler, Pflanzenreich, IV. 216 (Heft 17): 241 (1903).
- Nesaea* subgen. *Heimia* Benth & Hooker f., Gen. Pl. 1: 730 (1867).
- Typus: *Heimia salicifolia* (H. B. K.) Link.
- H. salicifolia** (H. B. K.) Link, Enum. Pl. Hort. Bot. Berol. 2: 3 (1822).—Koehne, l. c. fig. 48A (1903).



**Heimia salicifolia** (*continued*)

- Nesaea salicifolia* Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. 6: 192 (151) (1823).  
*Lythrum flavum* Sprengel, Syst. Veg. 2: 454 (1825).  
*Heimia syphilitica* De Candolle in Mém. Soc. Phys. Hist. Nat. Genève, 3, 2: 12 (1826).  
*Heimia linearifolia* G. Don ex Loudon, Hort. Brit. 479 (1830); Gen. Hist. Dichlam. Pl. 2: 718 (1832).  
*Nesaea linearifolia* Steudel in Flora, 25: 474 (1842).  
*Nesaea syphilitica* Steudel, l. c. (1842).  
*Decodon salicifolius* Kuntze, Rev. Gen. Pl. 1: 249 (1891).

**H. salicifolia** var. **grandiflora** Lindley in Bot. Reg. 27: t. 60 (1841).

*Heimia grandiflora* Hooker, Icon. Pl. 6: t. 554A (1843).

**DECODON** J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 677 (1791). — Koehne in Engler, Pflanzenreich, IV. 216 (Heft 17): 243 (1903).

- Lythrum* Linnaeus, Sp. Pl. 446 (1753), p. p. quoad no. 2.  
*Nesaea* subgen. *Decodon* Benth. & Hooker f., Gen. Pl. 1: 780 (1867).

Typus: *Lythrum verticillatum* L. = *D. verticillatus* (L.) Ell.

**D. verticillatus** Elliott, Sketch Bot. S.-Carol. 1: 544 (1821) "verticillatum." — Britton & Brown, Ill. Fl. N. U. S. 2: 471, fig. 2544 (1897). — Koehne in Engler, Pflanzenreich, IV. 216 (Heft 17): 244, fig. 49 (1903).

- Lythrum verticillatum* Linnaeus, Sp. Pl. 448 (1753).  
*Anonymus aquaticus* Walter, Fl. Carol. 137 (1788).  
*Decodon aquaticus* J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 677 (1791).  
*Nesaea verticillata* Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. 6: 192 (fol. ed. 151), in nota (1823).

**LAGERSTROEMIA** Linnaeus, Syst. Nat. ed. 10, 2: 1076, 1372 (1759); Sp. Pl. ed. 2, 734 (1762). — Benth. & Hooker f., Gen. Pl. 1: 783 (1867). — Koehne in Engler, Pflanzenreich, IV. 216 (Heft 17): 252 (1903).

- Munchausia* Linnaeus ex Muenchhausen, Hausvater, 5, 1: 536 (1770). — Linnaeus, Mant. Pl. 2: 153, 243 (1771). — Jaume St. Hilaire, Expos. Fam. Nat. 2: 176 (1805) "Muenchhausia."

*Adambea* Lamarck, Encycl. Méth. Bot. 1: 39 (1783).  
*Velaga* Gaertner, Fruct. Sem. Pl. 2: 245 (1791), p. p.  
*Arjuna* Jones in As. Research. As. Soc. Bengal, 4: 301 (1795).

*Bonava* Camelli ex Jussieu, Dict. Sci. Nat. 27: 454 (1823), nom.

*Fatioa* De Candolle in Denkschr. Allg. Schweiz. Ges. Naturw. 1, 1: 89 (1828); Prodr. 3: 88 (1828).

*Sotularia* Rafinesque, Sylva Tellur. 98 (1838).

*Pterocalymna* Turczaninov in Bull. Soc. Nat. Moscou, 19: 508 (1846).

*Murtughas* Kuntze, Rev. Gen. Pl. 1: 219 (1891).

Typus: *L. indica* L.

**L. indica** Linnaeus, Sp. Pl. ed. 2, 734 (1762). — Koehne in Engler, Pflanzenreich, IV. 216 (Heft 17): 259 (1903).

- Lagerstroemia minor* Retzius, Obs. Bot. 1: 20 (1779).  
*Lagerstroemia chinensis* Lamarck, Encycl. Méth. Bot. 3: 375 (1789).  
*Lagerstroemia minor chinensis* Retzius, Obs. Bot. 5: 25 (1789), pro syn.  
*Velaga globosa* Gaertner, Fruct. Sem. Pl. 2: 246, t. 133 (1791).  
*Lagerstroemia pulchra* Salisbury, Prodr. Stirp. Chap. Allert. 365 (1796).

*Lagerstroemia speciosa* sensu De Candolle, Prodr. 3: 93 (1828), non Persoon [1806].

?*Lagerstroemia elegans* [Wallich ex] Paxton in Paxton's Mag. Bot. 14: t. 269 (1848).

*Murtughas indica* Kuntze, Rev. Gen. Pl. 1: 249 (1891).

**L. indica** f. **alba** (Nichols.), grad. nov.

*Lagerstroemia indica alba* Nicholson, Ill. Dict. Gard. 2: 231 [1885]. — Anon. in Jour. Jap. Bot. 7: no. 9, t. [2] (1931) "var."

Fam. **PUNICACEAE**

**PUNICACEAE** Horaninov, Prim. Lin. Syst. Nat. 81 (1834); Tetractys Nat. 30 (1843), p. p. quoad *Granateae*. — Niedenzu in Nat. Pflanzenfam. III. 7: 22 [1892].

*Myrtoideae* Ventenat, Tabl. Règ. Vég. 3: 317 [1799], p. p. quoad *Punica* (p. 328).

*Rosaceae* Bb β. *Calycocarpeae* T. Fr. L. Nees von Esenbeck in Verh. Leop.-Carol. Akad. Naturf. 3, 1 (11, 1): 114, t. 11 (1823), p. p. quoad *Punica*.

*Granateae* D. Don in Edinb. New Philos. Jour. 1: 134 (1826). — De Candolle, Prodr. 3: 3 (1828).

*Myrtaceae* trib. *Granateae* Lindley, Nat. Syst. Bot. ed. 2, 45 (1836). — Berg in Martius, Fl. Brasil. 14, 1: 513 (1859).

*Onagraceae* 3, *Circaceae* b. *Combreteae* γ, *Granateae* Reichenbach, Handb. Nat. Pflanzensyst. 247 (1837).

*Lythrarieae* Benth. & Hooker f., Gen. Pl. 1: 784 (1867), p. p. quoad gen. anom. *Punica*.

**PUNICA** Linnaeus, Sp. Pl. 472 (1753); Gen. Pl. ed. 5, 212, no. 544 (1754). — Benth. & Hooker f., Gen. Pl. 1: 784 (1867).

Typus: *Punica Granatum* L.

**P. Granatum** Linnaeus, Sp. Pl. 472 (1753). — O. K. Berg & Schmidt, Darstell. Beschr. Offiz. Gew. 1: t. 3 (1858).

*Punica florida* Salisbury, Prodr. Stirp. Chap. Allert. 354 (1796).

*Punica spinosa* Lamarck, Fl. Franç. 3: 483 (1778).

**P. Granatum** f. **pleniflora** (Hayne), grad. nov.

*Punica Granatum* † *pleniflorum* Hayne, Getr. Darst. Arzneik. Gew. 10: t. 35 (1827).

*Punica Granatum* a. *rubra* \* *flore pleno* De Candolle, Prodr. 3: 4 (1828).

**P. Granatum** f. **albescens** (DC.), grad. nov.

*Punica Granatum* var. *flore albo* Andrews, Bot. Repos. 2: t. 96 [1800].

*Punica Granatum* β. *albescens* De Candolle, Prodr. 3: 4 (1828).

*Punica Granatum* f. *alba* Voss in Puttlitz & Meyer, Landlex. 3: 260 (1912).

**P. Granatum** f. **multiplex** (Sweet), grad. nov.

*Punica Granatum* ε. *multiplex* Sweet, Hort. Brit. ed. 2, 195 (1830).

**P. Granatum** f. **flavescens** (Sweet), grad. nov.

*Punica Granatum* γ. *flavescens* Sweet, Hort. Brit. ed. 2, 195 (1830).

*Punica Granatum* var. 5. *flavum* Hort. ex Loudon, Arb. Brit. 2: 940 (1838).

**P. Granatum** f. **Legrelliae** (Lemaire), grad. nov.

*Punica Granatum* *Legrelliae* Lemaire in Ill. Hort. 5: t. 156 (1858, Jan.). — Carrière in Rev. Hort. 1880: 130, t. (1880).

*Punica Granatum* *Legrellae* Van Houtte in Fl. des Serr.

13: 175, t. 1385 (1858).—A. Leroy in Rev. Hort. 1867: 232, t. (1867) "*Legrellii*."

- P. Granatum** var. *nana* (L.) Persoon, Syn. Pl. 2: 3 [1806] "*β.?*"  
*Punica nana* Linnaeus, Sp. Pl. 472 (1753).—Sims in Bot. Mag. 43: t. 1832 (1816).  
 ?*Punica Granatum* var. *pumila* Weinmann in Sylloge Pl. Nov. Soc. Bot. Ratisb. 2: 22 (1828).  
 ?*Punica Granatum* var. *frutescens* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 2: 132 (Fl. Jap. Fam. Nat. 1: 24) (1845).  
**P. Granatum** f. *plena* Voss in Puttlitz & Meyer, Landlex. 3: 260 (1912) "*var. nana f. pl.*"

### Fam. NYSSACEAE

- NYSSACEAE Endlicher, Gen. Pl. 328 [1837].—Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 1 (1910).  
 Nyssaceae Jussieu ex Lindley, Introd. Nat. Syst. Bot. 73 (1830), pro syn. sub "*Santalaceae*." [—Jussieu in Dict. Sci. Nat. 5: 267 (1825) "*Nyssées*."]  
*Santalaceae* 2. *Nysseae* Reichenbach, Handb. Nat. Pflanzen-syst. 167 (1837), nom. subnud.—Spach, Hist. Nat. Vég. Phan. 10: 461 (1841) "*trib.*"  
*Alangiaceae* Lindley, Veg. Kingd. ed. 3, 719 (1853), p. p. quoad *Nyssa*.  
*Cornaceae* subfam. *Nyssoideae* Harms in Nat. Pflanzen-fam. III. 8: 255, 257 [1897].  
*Cornaceae* subfam. *Davidioideae* Harms in op. cit. 255, 259 [1897].  
**NYSSA** Linnaeus, Sp. Pl. 1058 (1753); Gen. Pl. ed. 5, 478, no. 1028 (1754).—Bentham & Hooker f., Gen. Pl. 1: 952 (1867).—Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 8 (1910).  
*Tupelo* Adanson, Fam. Pl. 2: 80 (1763).  
*Ceratostachys* Blume, Bijdr. Fl. Nederl. Ind. 644 (1825).  
*Agathisanthes* Blume, op. cit. 645 (1825).  
*Daphniphylopsis* Kurz in Jour. As. Soc. Bengal, 44: 201 (1875).  
 TYPE: *N. aquatica* L., p. p. = *N. sylvatica* Marsh.; cf. Intern. Rul. Bot. Nomencl. special ed. 116 (1947).  
**N. sylvatica** Marshall, Arbust. Am. 97 (1785).—Sargent, Silva N. Am. 5: 73, t. 217 (1893).—Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 10 (1910).—Rickett in N. Am. Fl. 28B: 313 (1945).  
*Nyssa aquatica* Linnaeus, Sp. Pl. 1058 (1753), p. p.  
*Nyssa rotundifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 20 [1782], nom. subnud.—C. F. Ludwig, Neu. Wilde Baumz. 30 (1783), nom. subnud.  
*Nyssa sylvatica* Loddiges (1777) ex C. F. Ludwig, Neu. Wilde Baumz. 30 (1783), pro syn.  
 ?*Nyssa montana* W. Young, Arb. Arbust. Am. 16 (1783), nom.—Hort. ex Michaux, Fl. Bor.-Am. 2: 258 (1803), pro syn.—Non Gaertner f. (1805).  
*Nyssa Tupelo* et *N. sylvatica* Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 5 [1785 vel prius], nom.  
*Nyssa multiflora* Wangenheim, Beytr. Deutsch. Forstwiss. Nordam. Holz. 46, t. 16, fig. 39 (1787).  
*Nyssa integrifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 20 [1782], nom. subnud.—C. F. Ludwig, Neu. Wilde Baumz. 30 (1783), nom. subnud.—Aiton, Hort. Kew. 3: 446 (1789).  
 ?*Nyssa canadensis* Poirét, Encycl. Méth. Bot. 4: 507 [1798?].  
*Nyssa villosa* Michaux, Fl. Bor.-Am. 2: 258 (1803).

- Nyssa integrifolia* \* *glauca* H. P[aris.] ex Persoon, Syn. Pl. 2: 614 (1807).  
*Nyssa glauca* H. P. ex Roemer & Schultes, Syst. Veg. 5: 575 (1819), pro syn.  
*Nyssa ciliata* Rafinesque in Atlantic Jour. (Rafinesque) 176 (1833).  
*Nyssa multiflora* var. *sylvatica* S. Watson, Bibl. Index N. Am. Bot. 442 (1878).  
*Nyssa sylvatica* var. *aquatica* Sargent in Gard. & For. 2: 435 (1889).  
*Nyssa aquatica* sensu Coulter & Evans in Bot. Gaz. 15: 91 (1890), Linnaeus (1753), p. p.; non Marshall (1784).  
*Nyssa sylvatica* var. *typica* Fernald in Rhodora, 37: 434 (1935).  
**N. sylvatica** var. *biflora* (Walt.) Sargent, Silva N. Am. 5: 76, t. 218 (1893).—Fernald in Rhodora, 37: 435, t. 398 (1935).  
*Nyssa aquatica* Linnaeus, Sp. Pl. 1058 (1753), p. p.  
*Nyssa biflora* Walter, Fl. Carol. 253 (1788).—Small in Bull. Torrey Bot. Club, 21: 18 (1894).—Sargent, Man. Trees N. Am. 709, fig. 574 (1905).—Rickett in N. Am. Fl. 28B: 314 (1945).  
*Nyssa triflora* Eaton, Man. Bot. N. Am. 116 (1817).  
*Nyssa servatilis* E. H. L. Krause in Bot. Centralbl. Beih. 32, 2: 333 (1914).  
**N. sylvatica** var. *caroliniana* (Poir.) Fernald in Rhodora, 37: 436 (1935).  
*Nyssa caroliniana* Poirét, Encycl. Méth. Bot. 4: 587 [1798]; Rec. Planch. 3: 442, t. 851, fig. 1 (1823).  
**N. sinensis** Oliver in Hooker's Icon. Pl. 20: t. 1964 (1891).—Hu & Chun, Icon. Pl. Sin. 1: 39, t. 39 (1927).—Rehder in Jour. Arnold Arb. 15: 107 (1934).  
*Daphniphyllum Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 460 (1911).—K. Rosenthal in Engler, Pflanzenreich, IV. 147a (147, ix-xiv = Heft 68, app.): 15 (1919).  
*Microrhamnus Bodinieri* Léveillé, Fl. Kouy-Tchéou, 341 (1915).  
**N. aquatica** Linnaeus, Sp. Pl. 1058 (1753), p. p. typica.—Sargent, Silva N. Am. 5: 83, t. 220 (1895).  
*Nyssa uniflora* Wangenheim, Beytr. Deutsch. Forstwiss. Nordam. Holz. 83, t. 27, fig. 57 (1787).—Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 12 (1910).—Rickett in N. Am. Fl. 28B: 315 (1945).  
*Nyssa denticulata* Aiton, Hort. Kew. 3: 446 (1789).—Pursh, Fl. Am. Sept. 1: 178 (1814).  
*Nyssa palustris* Salisbury, Prodr. Stirp. Chap. Allert. 175 (1796).  
 ?*Nyssa angulosa* Poirét, Encycl. Méth. Bot. 4: 507 [1798?].  
*Nyssa tomentosa* Michaux, Fl. Bor.-Am. 2: 259 (1803), non Poirét (1797).  
*Nyssa angulisans* Michaux, l. c. (1803).  
*Nyssa grandidentata* Michaux f., Hist. Arb. Am. For. Sept. 2: 252, t. 19 (1810).  
*Nyssa candicans* var. *grandidentata* D. J. Browne, Trees Am. 426 (1846).  
**N. Ogeche** Bartram ex Marshall, Arbust. Am. 97 (1785).—Sargent, Silva N. Am. 5: 79, t. 219 (1895).—Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 13, fig. 1 (1910).—Rickett in N. Am. Fl. 28B: 315 (1945).  
*Nyssa Ogeche* Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 5 (1785 vel prius), nom.  
*Nyssa capitata* Walter, Fl. Carol. 253 (1788).  
*Nyssa coccinea* Bartram, Travels N. & S. Carol. 17 (1791).

**Nyssa Ogeche** (*continued*)

- Nyssa Ogeche* Bartram, op. cit. 17, 24 (1791), nom. altern.  
*Nyssa tomentosa* Poirét, Encycl. Méth. Bot. 4: 507 [1798?].  
*Nyssa candicans* Michaux, Fl. Bor.-Am. 2: 259 (1803).  
*Nyssa montana* Gärtner f., Fruct. Sem. Pl. 3: 201, t. 260, fig. 1 (1805).  
*Nyssa Oye-chee* Marsh. ex Steudel, Nomencl. Bot. 557 (1821), pro syn.

**DAVIDIA** Baillon in Adansonia, 10: 114 (1871).—Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 17 (1910).

**D. involucrata** Baillon, op. cit. 115 (1871).—Wangerin in op. cit. 18, fig. 4 (1910).—Wilson in Sargent, Pl. Wilson. 2: 255 (1914).

*Davidia tibetana* David in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 5: 161 (Pl. David. 1: 9. 1884) (1882); nom.

*Davidia involucrata* var. *a. genuina* Wangerin in Engler, Pflanzenreich, IV. 220a (Heft 41): 19 (1910).

**D. involucrata** var. **Vilmoriniana** (Dode) Wangerin, l. c. (1910) "β".—Hemsley in Bot. Mag. 138: t. 8432 (1912).—Wilson in Sargent, Pl. Wilson. 2: 256 (1914).  
*Davidia Vilmoriniana* Dode in Rev. Hort. n. sér., 8: 406 (1908).  
*Davidia laeta* Dode in op. cit. 407 (1908).

Fam. **ALANGIACEAE**

**ALANGIACEAE** Lindley, Nat. Syst. Bot. ed. 2, 39 (1836).—Wangerin in Engler, Pflanzenreich, IV. 220b (Heft 41): 1 (1910).

*Myrtoideae* Ventenat, Tabl. Règ. Vég. 3: 317 (1799), p. p. quoad *Alangium*.

*Myrteae* Jaume St. Hilaire, Expos. Fam. Nat. 2: 159 (1805), p. p.

*Alangieae* De Candolle, Prodr. 3: 203 (1828); 4: 267, in nota (1830).

*Onagraceae* 3. *Circaeae* c. *Alangieae* Reichenbach, Handb. Nat. Pflanzensyst. 247 (1837).

*Hamamelideae* et *Alangieae* Brongniart, Enum. Genr. Pl. Cult. Mus. Paris, [xxix], 110 (1843); ed. 2, 170 (1850); nom.

*Cornaceae* Bentham & Hooker f., Gen. Pl. 1: 947 (1867), p. p.

*Parrotiaceae* . . . *Alangieae* Horaninov, Tetractys Nat. 28 (1843), nom. subnud.; Char. Ess. Fam. Reg. Veg. 137 (1847).

*Combretaceae* ser. *Alangieae* Baillon, Hist. Pl. 6: 272, 283 (1877).

*Cornaceae* subfam. *Alangioideae* Harms in Nat. Pflanzenfam. III. 8: 260 (1898).

**ALANGIUM** Lamarck, Encycl. Méth. Bot. 1: 174 (1783).—Wangerin in Engler, Pflanzenreich, IV. 220b (Heft 41): 6 (1910).—Bloembergen in Bull. Jard. Bot. Buitenz. sér. 3, 16: 140 (1939).—Nom. CONSERV. cf. Règl. Intern. Nomencl. Bot. 88, no. 6154 (1906).

*Kara-Angolam* et *Angolam* Adanson, Fam. Pl. 2: 84 (1763).

*Angolamia* Scopoli, Introd. Hist. Nat. 107 (1777).

*Stylidium* Loureiro, Fl. Cochinch. 220 (1790).

*Stelanthus* Stokes, Bot. Mat. Med. 2: 339 (1812).

*Stylis* Poirét, Encycl. Méth. Bot. Suppl. 5: 260 (1817).

*Pautsauvia* Jussieu in Mém. Mus. Hist. Nat. Paris, 3: 443 (1817).

*Marlea* Roxburgh, Hort. Bengal. 28 (1814), nom.; Pl. Coromand. 3: 80 t. 283 (1819).—Bentham & Hooker f., Gen. Pl. 1: 949 (1867).

*Diaccarpium* Blume, Bijdr. Nederl. Fl. 657 (1825).

*Rhytidandra* Gray in Wilkes, U. S. Expl. Exped. 1838–42 [15] Bot. 1: 303 (1854); Atl. t. 28 (1857).

*Pseudalangium* F. v. Mueller, Fragm. Phytog. Austral. 2: 84 (1860).

*Karangolum* Kuntze, Rev. Gen. Pl. 1: 272 (1891).

Typus: *A. decapetalum* Lamarck = *A. salvifolium* (L.) Wanger.

**A. platanifolium** (Sieb. & Zucc.) Harms in Nat. Pflanzenfam. III. 8: 261 (1898).—Rehder in Sargent, Pl. Wilson. 2: 554 (1916).—Bloembergen in Bull. Jard. Bot. Buitenz. sér. 3, 16: 164 (1939).

*Marlea platanifolia* Siebold & Zuccarini in Abh. Phys.-Math. Akad. Wiss. Münch. 4, 2: 134 (Fl. Jap. Fam. Nat. 1: 26) (1845).

*Marlea macrophylla* Siebold & Zuccarini in op. cit. 135 (27) (1845).

*Karangolum platanifolium* Kuntze, Rev. Gen. Pl. 1: 273 (1891).

*Marlea platanoides* Micheli in Rev. Hort. 1898: 501 (1898), nom. sphalm. pro *M. platanifolia*.

*Marlea platanifolia* var. *typica* Makino in Bot. Mag. Tokyo, 20: 86 (1905).—Nakai, Fl. Sylv. Kor. 17: 28, t. 9 (1928).

*Marlea platanifolia* var. *macrophylla* Makino, l. c. (1905).  
*Alangium platanifolium* var. *a. macrophyllum* Wangerin in Engler, Pflanzenreich, IV. 220b (Heft 41): 22, fig. 6A-E (1910).

*Alangium platanifolium* var. *β. genuinum*, l. c. fig. 6F, G (1910).

*Marlea macrophylla* var. *trilobata* Nakai, Fl. Sylv. Kor. 17: 26, t. 8 (1928).

?*Marlea sinica* Nakai, op. cit. 29 (1928).

**A. chinense** (Lour.) Harms in Ber. Deutsch. Bot. Ges. 15: 24, in textu (1897).—Rehder in Sargent, Pl. Wilson. 2: 552 (1916).—Bloembergen in Bull. Jard. Bot. Buitenz. sér. 3, 16: 169 (1939).

*Stylidium chinense* Loureiro, Fl. Cochinch. 220 (1790).

*Marlea begoniifolia* Roxburgh, Hort. Bengal. 28 (1814), nom.; Pl. Coromand. 3: 80, t. 283 (1819).—C. B. Clarke in Hooker f., Fl. Brit. Ind. 2: 743 (1879).

*Stylis chinensis* Poirét, Encycl. Méth. Bot. Suppl. 5: 260 (1817).

*Marlea affinis* Decaisne in Jacquemont, Voy. Inde, 4: 74, t. 83 (1844).

*Alangium begoniifolium* Baillon, Hist. Pl. 6: 270 (1877).—Wangerin in Engler, Pflanzenreich, IV. 220b (Heft 41): 20, fig. 5 (1910).

*Karangolum chinense* Kuntze, Rev. Gen. Pl. 1: 273 (1891).  
*Alangium begoniifolium* subsp. *a. eubegoniifolium* Wangerin in Engler, Pflanzenreich, IV. 220b (Heft 41): (1910).

Fam. **MYRTACEAE**

**MYRTACEAE** R. Brown in Flinders, Voy. Terra Austral. 2 (App.): 546 (1814).—Bentham & Hooker f., Gen. Pl. 1: 690 (1865).—Nieden zu in Nat. Pflanzenfam. III. 7: 57 (1893).

*Myrtoideae* Ventenat, Tabl. Règ. Vég. 317 (1799), exclud. gen. nonnull.

*Myrteae* [Jussieu in Dict. Sci. Nat. ed. 2, 34: 79 (1825) "Myrtées."—] Lindley, Introd. Nat. Syst. Bot. 63 (1830), pro syn.

- Lecythideae* Richard ex Poiteau in Mém. Mus. Hist. Nat. Paris, **13**: 141 (1825).—Lindley, *Introd. Nat. Syst. Bot.* **44** (1830), pro syn.
- Lecythidaceae* Lindley, *Nat. Syst. Bot.* ed. 2, **46** (1836).
- Chamaelauciaceae* Lindley, *Veg. Kingd.* ed. 3, **721** (1853).
- Belvisiaceae* Lindley, op. cit. **728** (1853).
- Barringtoniaceae* Lindley, op. cit. **754** (1853).
- EUCALYPTUS** L'Héritier, *Sert. Angl.* **11**, t. **20** (1792).—Bentham & Hooker f., *Gen. Pl.* **1**: 707 (1865).
- Aromadendron* W. Anderson ex R. Brown, *Prodr. Fl. Nov. Holl.* **553**, in adnot. (1810), nom.—Steudel, *Bot. Nomencl.* ed. 2, **1**: 599 (1840), pro syn.
- Eudessmia* R. Brown in Flinders, *Voy. Terra Austral.* **2** (App.): 599, t. **3** (1814).
- Symphyomyrtus* Schauer in Lehmann, *Pl. Preiss.* **1**: 126 (1844).
- TYPE: *E. obliqua* L'Hérit.
- E. Gunnii** Hooker f. in *Lond. Jour. Bot.* **3**: 496 (1844).—Maiden, *Crit. Rev. Eucalyptus*, **3**: 106, t. **108**, fig. 2–8, **109**, fig. **1** (1916).—Henry in Elwes & Henry, *Trees Gt. Brit. Irel.* **6**: 1638 (1912).
- Eucalyptus ligustrina* Miquel in *Nederl. Kruidk. Arch.* **4**: 134 (1859), non De Candolle (1828).
- Eucalyptus urnigera* sensu [Masters in] *Gard. Chron.* ser. **3**, **3**: 460, fig. **64**, **65**, p. **798**, fig. **110** (1889), non Hooker f. (1847).
- Eucalyptus Wittingehamei* Landsborough in *Trans. Soc. Bot. Edinb.* **20**: 516 (1896), name of a place in Haddingtonshire, Scotland.
- Eucalyptus Gunnii* var. *montana* Hooker f. in *Bot. Mag.* **127**: t. **7808** (1901) = typus speciei.
- Eucalyptus wittingehamensis* [Nicholson] in *Kew Hand-List Trees Shrubs* ed. 2, **395** (1902) "*whittinghamensis*," pro syn.—Henry in Elwes & Henry, *Trees Gt. Brit. Irel.* **6**: 1642 (1912).
- Eucalyptus Perriniana* Herb. Perrin ex Maiden in *Rep. Austral. Ass. Adv. Sci.* **9**: 377 (1903).—F. von Mueller in *Papers Proc. Roy. Soc. Tasman.* **1893**: 181 (1893).—Maiden, *Crit. Rev. Eucalyptus*, **3**: 103, t. **108**, **1** (1916).
- Eucalyptus cordata* sensu Maiden, op. cit. **2**: 282, t. **83**, fig. **10–11** (1913), quoad fig.; non Labillardière (1806).
- Fam. **ONAGRACEAE**
- ONAGRACEAE Dumortier, *Anal. Fam. Pl.* **39** (1829).—Lindley, *Nat. Syst. Bot.* ed. 2, **35** (1836).—Raimann in *Nat. Pflanzenfam.* **III**, **7**: 199 [1893].—Sprague in *Jour. Bot.* **60**: 72 (1922).
- Onagrae* Adanson, *Fam. Pl.* **2**: 81 (1763).—Jussieu, *Gen. Pl.* **317** (1789).
- Oenotheratae* Necker in *Act. Acad. Elect. Sci. Theod.-Palat.* **2**: 489 (1770).
- Epilobianae* Ventenat, *Tabl. Règ. Vég.* **3**: 307 [1799].
- Onagrariae* [Jussieu in *Ann. Mus. Hist. Nat. Paris*, **3**: 315, **473**, t. **30**, iv (1804) "Onagrarès."—] Jaume Saint-Hilaire, *Expos. Fam. Nat.* **2**: 148 (1805).—De Candolle, *Prodr.* **3**: 35 (1828).
- Onagreae* Blume, *Bijdr. Fl. Nederl. Ind.* **1131** (1826).—Spach in *Nouv. Ann. Mus. Hist. Nat. Paris*, **4**: 321 (1835).
- Onagrideae* Dumortier, *Florula Belg.* **88** (1827).
- Epilobiaceae* Ventenat ex De Candolle, *Prodr.* **3**: 35 (1828), pro syn.—Horaninov, *Prim. Lin. Syst. Nat.* **81** (1834), exclud. gen. **2** ultim.; *Char. Ess. Fam. Reg. Veg.* **150** (1847).
- Onagrarieae* Cambessèdes in A. Saint-Hilaire, *Fl. Bras. Mer.* **2**: 253 (1829).—Bentham & Hooker f., *Gen. Pl.* **1**: 785 (1867).
- Circaeaceae* Lindley, *Syn. Brit. Fl.* **109** (1829).
- Oenotheraeae* Endlicher, *Gen. Pl.* **1188** (1840).
- Onagrariae* subfam. *Fuchsiaeae* Presl, *Wseob. Rostlin.* **1**: 542 (1846).
- Oenotheraceae* Warming, *Haandb. Syst. Bot.* **286** (1879).
- Jussieuaceae* Drude in A. Schenk, *Handb. Bot.* **3.2**: 385 (1887).
- Onagariaceae* Baillon, [*Hist. Pl.* **6**: 458 (1877) "Onagariacées;"] *Dict. Bot.* **3**: 455 (1891).
- FUCHSIA** Linnaeus, *Sp. Pl.* **1191** (1753); *Gen. Pl.* ed. 5, **498**, no. **1097** (1754).—Bentham & Hooker f., *Gen. Pl.* **1**: 790 (1867).—Munz in *Proc. Calif. Acad. Sci.* ser. **4**, **25**: 1–138, t. **1–16** (*Rev. Fuchsia*) (1943).
- Tilco* Adanson, *Fam. Pl.* **2**: 498 (1763).
- Skinnera* J. R. & G. Forster, *Char. Gen. Pl.* **57**, t. **29** (1776).
- Dorvalia* Commerson ex Lamarck, *Encycl. Méth. Bot.* **2**: 565 (1786).—Commerson ex Jussieu, *Gen. Pl.* **320** (1789) "*Dorvallia*"—Commerson ex De Candolle, *Prodr.* **3**: 36 (1828) "*Dorvalia*."
- Quelusius* Vandelli, *Fl. Lusit. Brasil. Specim.* **23**, fig. **10** (1788).—Roemer, *Script. Pl. Hisp.* **101** (1796).
- Nahusia* Schneevogt, *Icon. Pl. Rar.* **1**: 21, t. [1792].
- Thilcum* Molina, *Saggio Stor. Nat. Chile*, ed. **2**, **146** (1810).
- Brebissonia* Spach in *Ann. Sci. Nat. Bot. sér.* **2**, **4**: 175 (1835).
- Kierschlegeria* Spach in op. cit. **176** (1835).—A. B. Reichenbach, *Handb. Nat. Pflanzensyst.* **246** (1837) "*Kirschlegeria*."
- Lyciopsis* Spach in op. cit. **176** (1835).
- Schufia* Spach in op. cit. **177** (1835).
- Encliandra* Zuccarini in *Abh. Phys.-Math. Cl. Akad. Wiss. Münch.* **2**: 335 (1837).—Steudel, *Nomencl. Bot.* ed. **2**, **1**: 600 (1840), sphalm. "*Eucliandra*."
- Myrinia* Lilja, *Fl. Sverig. Od. Vext. Suppl.* **1**: 25 (1840); in *Linnaea*, **15**: 262 (1841), pro syn.
- Spachia* Lilja in *Trädgårdstidning*, **1840**: 62 (1840) ex *Linnaea*, l. c. (1841), pro syn.; non *Spachea* Juss. (1840).
- Ellobium* Lilja in *Linnaea*, l. c. (1841).
- Quiliusa* Hooker f. in *Jour. Linn. Soc. Lond. Bot.* **10**: 460, in textu (1869), sphalm. pro *Quelusius*.
- TYPE: *Fuchsia triphylla* L.
- F. magellanica** Lamarck, *Encycl. Méth. Bot.* **2**: 565 [1788].—Bailey, *Stand. Cycl. Hort.* **3**: 1301 (1915).
- Fuchsia coccinea* sensu Curtis in *Bot. Mag.* **3**: t. **97** (1790), non Aiton (1789).
- Nahusia coccinea* Schneevogt, *Icon. Pl. Rar.* **1**: 21, t. [1792], exclud. syn. Aiton.
- Fuchsia macrostema* Ruiz & Pavon, *Fl. Peruv.* **3**: 88, t. **324**, fig. **b** (1803).
- Fuchsia magellanica* var. *typica* Munz in *Proc. Calif. Acad. Sci.* ser. **4**, **25**: 9, t. **1**, fig. **3** (1943).
- Fuchsia magellanica* var. *macrostema* Munz in op. cit. **10** (1943).
- F. magellanica** var. *globosa* (Lindl.) Bailey, *Cycl. Am. Hort.* [2]: 614 (1900).
- Fuchsia globosa* Lindley in *Bot. Reg.* **18**: t. **1556** (1832).
- Fuchsia macrostema* var. *globosa* D. Don in *Sweet, Brit. Flow. Gard.* ser. **2**, **3**: t. **216** (1835).
- F. magellanica** var. *riccartoni* [Lebas] Bailey in *Stand. Cycl. Hort.* **3**: 1301, fig. **1600** (1915); **6**: 3574 (1917); "*Riccartonii*"; Riccarton, name of a place in Scotland.
- Fuchsia Riccartoni* Tillery in *Florist & Pomol.* **1871**: 217 (1871), nom.—Lebas in *Rev. Hort.* **1877**: 397 (1877)

**Fuchsia magellanica** var. **riccartoni** (continued)

"Riccartoni." — Legros in Rev. Hort. 1896: 30, fig. 8–19 (1896).

*Fuchsia Riccartoniana* Hort. ex Koehne, Deutsche Dendr. 429 (1893), pro syn.

*Fuchsia macrostema riccortoni* Anon. in Garden, 88: 727, fig. (1924).

**F. magellanica** var. **conica** (Lindl.) Bailey, Cycl. Am. Hort. [2]: 614 (1900).

*Fuchsia conica* Lindley in Bot. Reg. 13: t. 1062 (1827).

*Fuchsia macrostema* var. *conica* in Sweet, Brit. Flow. Gard. ser. 2, 3: 216 (1835).

**F. exoniensis** Paxton in Paxton's Mag. Bot. 10: 151, t. (1843) "*F. cordifolia* × *globosa*." — Hemsley in Gard. Chron. ser. 3, 20: 560, fig. 101 (1883).

*Fuchsia corallina* (Pince, 1844) Porcher, Fuchsia, ed. 3, 150 (1857) "*F. radicans* x ?".

**F. discolor** Lindley in Bot. Reg. 21: t. 1805 (1836). — Hooker in Bot. Mag. 63: t. 3498 (1836).

*Fuchsia magellanica* var. *discolor* Bailey, Cycl. Am. Hort. [2]: 614 (1900); Stand. Cycl. Hort. 3: 1301, fig. 1601 (1915).

*Fuchsia Loweii* Hort. ex Bailey, l. c. (1900), pro syn.

**F. gracilis** Lindley in Bot. Reg. 10: t. 847 (1824). — Schneider, Ill. Handb. Laubh. 2: 420, fig. 285e, 286e (1909).

*Fuchsia decussata* sensu Graham in Edinb. Philos. Jour. 11: 401 (1824). — Sims in Bot. Mag. 51: t. 2507 (1824). — Non Ruiz & Pavon (1802).

*Fuchsia macrostema gracilis* Nicholson, Ill. Dict. Gard. 2: 33, fig. 51 [1885].

*Fuchsia magellanica* var. *gracilis* Bailey, Cycl. Am. Hort. [2]: 615 (1900).

**F. microphylla** Humboldt, Bonpland, Kunth, Nov. Gen. Sp. 6: 103 (fol. ed. 82) t. 534 (1823). — Lindley in Bot. Reg. 15: t. 1269 (1829). — Schneider, Ill. Handb. Laubh. 2: 419, fig. 285c-d (1909).

*Fuchsia microphylla* var. *typica* Munz in Proc. Calif. Acad. Sci. ser. 4, 25: 94 (1943).

**F. lycioides** Andrews, Bot. Repos. 2: t. 120 [1800]. — Sims, Bot. Mag. 26: t. 1024 (1807). — Munz in Proc. Calif. Acad. Sci. ser. 4, 25: 69, t. 11, fig. 59 (1943).

*Fuchsia rosea* Ruiz & Pavon, Fl. Peruv. Chil. 3: 88 (1802). — Reiche, Fl. Chile, 2: 268 (1898).

*Kierschlegeria lycioides* Spach in Ann. Sci. Nat. Bot. sér. 2, 4: 176 (1835).

**F. thymifolia** Humboldt, Bonpland, Kunth, Nov. Gen. Sp. 6: 104 (folio ed. 82), t. 535 (1823).

*Fuchsia parviflora* Lindley in Bot. Reg. 13: t. 1048 (1827). — Hemsley, Biol. Centr. Am. Bot. 1: 460 (1880), p. p.?

*Fuchsia acinifolia* Scheidweiler, Fl. des Serr. 3: 246b (1847); in Allg. Gartenzeit. 15: 226 (1847) "*acynifolia*." — Munz in Proc. Calif. Acad. Sci. ser. 4, 25: 102 (1943), sp. dubia.

**F. procumbens** A. Cunningham in Ann. Mag. Nat. Hist. 3: 31 (1839). — Hooker in Hooker's Icon. Pl. 5: t. 421 (1842). — Cheeseman, Man. New Zeal. Fl. 619 (1925).

*Fuchsia prostrata* Baillon in Bull. Soc. Linn. Paris, 1: 270 (1880), nom.; ?sphalm.

Fam. **ARALIACEAE**

ARALIACEAE Ventenat, Tabl. Règ. Vég. 3: 2 (1799). — A. Richard in Dict. Class. Hist. Nat. 1: 506 (1822). —

De Candolle, Prodr. 4: 251 (1830). — Harms in Nat. Pflanzenfam. III. 8: 1 [1894]. — NOM. CONSERV.; cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936). *Hederaceae* Gisecke in Linnaeus, Praelect. Ord. Nat. Pl. 519 (1792), exclud. *Zanthoxylum*, *Vitis* et *Cissus*; nom. subnud. — A. Richard, Bot. Méd. 2: 449 (1823), exclud. *Cornus*. — [Rafinesque in Ann. Gén. Sci. Phys. 6: 77 (Tabl. anal. ord. nat. 82) (1820) "Hédéracées," exclud. *Cornus*; nom. subnud. —] Rafin. ex Dumortier, Florula Belg. 83 (1827). — Seemann in Jour. Bot. 2: 235 — 6: 165, 4 t. (Rev. Hederac.) (1864–68); repr. 107 pp., fig., 7 t. (1868).

*Caprifoliaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 268 (1805), p. p. quoad *Hedera*.

*Hederaceae* trib. *Hedereae* Dumortier, Florula Belg. 83 (1827).

*Caprifoliaceae* trib. 1. *Hederaceae* Duby in De Candolle, Bot. Gall. ed. 2, 244 (1828), p. p. quoad *Hedera*.

*Umbelliferae* 2. *Araliaceae* Reichenbach, Handb. Nat. Pflanzensyst. 221 (1837). — Horaninov, Char. Ess. Fam. Reg. Veg. 135 (1847).

*Umbelliferae* 3. *Cisseeae* a. *Hederaceae* Reichenbach, l. c. 221 (1837).

**HEDERA** Linnaeus, Sp. Pl. 202 (1753) exclud. spec. 2; Gen. Pl. ed. 5, 94, no. 249 (1754). — Bentham & Hooker f., Gen. Pl. 1: 946 (1867). — Tobler, Gatt. Hedera, 151 pp., 57 fig. (1912). — Bates in Nat. Hort. Mag. 24: 41 (1945), see also nos. 1–9 in op. cit. 1932–44.

LECTOTYPUS: *Hedera Helix* L.

**H. Helix** Linnaeus, Sp. Pl. 2002 (1753). — Hegi, Ill. Fl. Mittel-Eur. 5, 2: 915, fig. 2286–94 [1924].

*Hedera communis* S. F. Gray, Nat. Arrang. Brit. Pl. 2: 491 (1821).

*Hedera communis* β. *sterilis* S. F. Gray, l. c. (1821).

*Hedera Helix* L. a. *arborea* s. *muralis*, β. *silvestris*, γ. *humifusa* Dierbach in Mag. Pharm. 11: 221 (Uebers. Heidelb. Wildw. Pfl.) (1825).

*Hedera Helix* a. *vulgaris* De Candolle, Prodr. 4: 261 (1830).

*Hedera Helix* subvar. *prostrata* Cosson & Germain, Fl. Envir. Paris, ed. 2, 279 (1861).

*Hedera Helix* a. *melanocarpa* Seemann in Jour. Bot. 2: 306 (Rev. Hederac. 33. 1868) (1864).

*Hedera Helix* subsp. *europaea* Voss in Vilmor. Blumengärt. 1: 407 [1894].

*Hedera Helix* f. *typica* Schelle in Beissner et al., Handb. Laubh.-Ben. 363 (1903), nom.

*Hedera Helix* subsp. *eu-Helix* Hayek, Prod. Fl. Balcan. 1: 955 (1927).

**H. Helix** f. *baltica* (Rehd.), grad. nov.

*Hedera Helix* var. *baltica* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 3: 1438 (1915). — E. Anderson in Arnold Arb. Bull. 6: 1, 2 t. (1932).

**H. Helix** f. *arborescens* (Loud.) Schneider, Ill. Handb. Laubh. 2: 422 (1909).

*Hedera Helix* var. *arborescens* Loddiges ex Loudon, Arb. Brit. 2: 1000 (1838).

*Hedera arborea* Carrière in Rev. Hort. 1890: 164 (1890), non Swartz (1797).

*Hedera Helix* f. *arborea* Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 363 (1903).

**H. Helix** f. *argenteo-variegata* [West.] Schelle in Beissner et al., Handb. Laubh.-Ben. 363 (1903).

*Hedera Helix* 2. *argenteo-variegata* Weston, Bot. Univ. 1: 123 (1770).

- H. Helix f. aureo-variegata** [West.] Schelle, l. c. (1903).  
*Hedera Helix* 3. *aureo-variegata* Weston, l. c. (1770).—  
 G. H. M. Lawrence & Schulze in Gent. Herb. 6: 148  
 (1942) "var."; cum syn. numeros.
- H. Helix f. Cavendishii** (Paul) Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927(38): 21, t. 10d (1927).  
*Hedera Helix* (var.) *Cavendishii* W. Paul in Gard. Chron.  
 1867: 1215 (1867) G. H. M. Lawrence & Schulze in  
 Gent. Herb. 6: 145, fig. 80b (1942), emend.; "var."  
*Hedera Helix marginata* Hibberd, Ivy, 77, fig. (p. 88),  
 t. (1872).—Rehder, Man. Cult. Trees Shrubs, 673  
 (1940).
- H. Helix f. Cullisii** (Hibberd) Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927(38): 22 (1927).  
*Hedera Helix marginata Cullisii* Hibberd in Floral World,  
 7: 71 (1864).  
*Hedera Helix* var. *marginata rubra* Hibberd, Ivy, 78, t.  
 (1872).  
*Hedera Helix elegantissima* Hort. ex Hibberd, l. c. (1872),  
 pro syn.  
*Hedera Helix tricolor* Hort. ex Hibberd, l. c. (1872), pro  
 syn.—Hibberd ex Rehder in Bailey, Stand. Cycl. Hort.  
 3: 1438 (1915) "var."—Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927(38): 33 (1927) "f."—G. H. M.  
 Lawrence & Schulze in Gent. Herb. 6: 146 (1942) "var."  
*Hedera tricolor* hort. ex Nicholson in Ill. Dict. Gard. 2:  
 123 [1885], pro syn.
- H. Helix f. digitata** [Bosse] Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927 (38): 23, fig. 13b-h (1927).  
*Hedera Helix digitata* Loddiges ex Loudon, Arb. Brit. 2:  
 1000 (1838), nom.—Bosse, Vollst. Handb. Blumengärt.  
 ed. 2, 2: 220 (1841).—Hibberd, Ivy, 74, fig. (p. 80)  
 (1872).  
*Hedera Helix palmata* Bosse, Vollst. Handb. Blumengärt.  
 ed. 3, 2: (1860).—Paul in Gard. Chron. 1867: 1215  
 (1867) "*H. H. p.*"—Hibberd, Ivy, 72, fig. (p. 77)  
 (1872) "*H. H. p.*"  
*Hedera Helix* β. *Hodgensii* Moore & Mor, Contrib. Cybele  
 Hibern. 135 (1866).  
*Hedera Helix* var. *digitata nova* Paul in Gard. Chron.  
 1867: 1215 (1867).  
*Hedera Helix* (var.) *pennsylvanica* Paul, l. c. (1867), nom.  
 subnud.—[Nicholson in] Kew Hand-list Trees Shrubs,  
 1: 245 (1894), pro syn.  
*Hedera palmata* Carrière in Rev. Hort. 1890: 163 (1890).
- H. Helix f. pedata** (Hibberd) Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927(38): 33 (1927).  
*Hedera Helix pedata* Hibberd, Ivy, 76, fig. (p. 82) (1872).  
 —Rehder in Bailey, Stand. Cycl. Hort. 3: 1438 (1915)  
 "var."  
*Hedera Helix digitata* [hort. ex] Hibberd, l. c. (1872),  
 pro syn.—Nicholson, Ill. Dict. Gard. 2: 121, fig. 186  
 [1885].—Rehder in Möller's Deutsch. Gärt.-Zeit. 12:  
 229, fig. (1897) "var."—Loudon ex Schneider, Ill.  
 Handb. Laubh. 2: 422, fig. 287i-k (1909) "f."—Non  
 Bosse (1841).  
*Hedera Helix* var. *Caenwoodiana* Nicholson, Ill. Dict.  
 Gard. 2: 121 [1885], pro syn.  
*Hedera Caenwoodiana* Haage & Schmidt, Pflanzen-Verz.  
 1877: 67 (1877), nom.—Tobler, Gatt. Hedera, 126  
 (1912), pro syn.
- H. Helix f. sagittaeifolia** (Hibberd) Tobler in Mitt.  
 Deutsch. Dendr. Ges. 1927(38): 32, fig. 12p-r (1927)  
 "sagittifolia."  
*Hedera Helix sagittaeifolia* Hibberd in Floral World, 7: 58  
 (1864); Ivy, 68, fig. (p. 69) (1872).—Paul in Gard.  
 Chron. 1867: 1215 (1867).—G. H. M. Lawrence &  
 Schulze in Gent. Herb. 6: 159, fig. 83b (1942) "var."  
*Hedera Taurica Leeana* Hibberd, l. c. (1864), nom. sub-  
 nud.  
*Hedera Helix contracta* Hibberd, Ivy, 70, fig. (p. 73)  
 (1872).  
*Hedera Helix angularis* Hibberd, Ivy, 74 (1872).
- H. Helix f. deltoidea** (Hibberd) Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927(38): 22, fig. 11k-n (1927).  
*Hedera Helix deltoidea* Hibberd, Ivy, 71, fig. (1872).—  
 Rehder in Bailey, Cycl. Am. Hort. [2]: 716 (1900)  
 "var."  
*Hedera hastata* Anon. in Garden, 25: 141, fig. (1884).—  
 E. C. in Garden, 34: 493, fig. (1888).
- H. Helix f. minima** (Hibberd) Tobler in Mitt. Deutsch.  
 Dendr. Ges. 1927(38): 29, fig. 12d-f (1927).  
*Hedera Helix minor Donerailense* Hibberd in Floral World,  
 7: 58 (1864), nom. subnud.  
*Hedera donerailensis minor* Paul in Gard. Chron. 1867:  
 1215 (1867), nom. subnud.  
*Hedera donerailensis* K. Koch, Dendr. 1: 680 (1869), pro  
 syn.  
*Hedera Helix minima* Hibberd, Ivy, 76, fig. (1872).—  
 Rehder in Bailey, Stand. Cycl. Hort. 3: 1438 (1915)  
 "var."  
*Hedera Helix Donerailensis* Nicholson, Ill. Dict. Gard. 2:  
 121, fig. 187 [1885].
- H. Helix f. conglomerata** (Nichols.) Tobler in Mitt.  
 Deutsch. Dendr. Ges. 1927(38): 21, t. 12a (1927).  
*Hedera conglomerata* Haage & Schmidt, 1875, nom. sub-  
 nud., ex Tobler, Gatt. Hedera, 127 (1912).—Carrière  
 in Rev. Hort. 1890: 162, fig. 47 (1890).  
*Hedera Helix conglomerata* Nicholson, Ill. Dict. Gard. 2:  
 121, fig. 184 (1885).—Rehder in Bailey, Cycl. Am.  
 Hort. [2]: 716 (1900) "var."  
 ?*Hedera Helix fasciata* Hibberd in Jour. Hort. Soc. Lond.  
 12: 390 (1890).
- H. Helix f. Glymii** (Paul) Tobler, Gatt. Hedera, 128  
 (1912); in Mitt. Deutsch. Dendr. Ges. 1927(38): 24  
 (1927).  
*Hedera Helix Glymii* Paul in Gard. Chron. 1867: 1215  
 (1867).—G. H. M. Lawrence & Schulze in Gent. Herb.  
 6: 166, fig. 86b (1942) "var."  
*Hedera Helix tortuosa* Hibberd, Ivy, 67 (1872).—Rehder,  
 Man. Cult. Trees Shrubs, ed. 2, 673 (1940) "var."  
*Hedera cordata* Carrière in Rev. Hort. 1890: 164 (1890).  
*Hedera Helix* var. *scutifolia* Hort. ex G. N. M. Lawrence &  
 Schulze in Gent. Herb. 6: 168 (1942), pro syn.
- H. Helix var. hibernica** [Kirchn.] Jaeger, Ziergeh. 250  
 (1865) "*Hybernica*."—Tobler, Gatt. Hedera, 35 (1912).  
*Hedera Helix* 4. *hibernica* Hort. ex Kirchner in Petzold &  
 Kirchner, Arb. Muscav. 419 (1864).  
*Hedera canariensis* sensu Hibberd in Floral World, 7: 57  
 (1864), non Willdenow (1808).  
*Hedera Hibernica* [hort. ex] Seemann in Jour. Bot. 3: 201  
 (Rev. Hederac. 65. 1868) (1865), pro syn.—Carrière  
 in Rev. Hort. 1890: 163 (1890).—Kirchner ex Bean,  
 Trees Shrubs Brit. Isl. 1: 609 (1914).  
*Hedera Scotica* [hort. ex] Seemann, l. c. (1865), pro syn.  
 —A. Chevalier in Monde Pl. 34: 42 (1933).  
*Hedera grandifolia* Hibberd, Ivy, 96 (1872), p. p.  
*Hedera Helix* subsp. *europaea f. melanocarpa* Voss, Vilmor.  
 Blumengärt. 1: 407 (1896), non *H. H. a. m.* Seemann  
 (1864).

**Hedera** (continued)

- H. Helix** f. *maculata* (Hibberd) Tobler, Gatt. Hedera, 139 (1912).  
*Hedera grandifolia maculata* Hibberd, Ivy, 98, fig. (p. 101), t. (1872).  
*Hedera latifolia maculata* ex Hibberd, l. c. (1872), pro syn.  
*Hedera canariensis* var. *maculata* Hibberd in Jour. Hort. Soc. Lond. **12**: 394 (1890).  
*Hedera Helix* var. *maculata* Rehder in Bailey, Cycl. Am. Hort. [2]: 716 (1900).  
*Hedera hibernica* var. *maculata* Bean, Trees Shrubs Brit. Isl. **1**: 609 (1914).  
*Hedera latimaculata* Hort. ex Bean, l. c. (1914), pro syn.
- H. Helix** var. *poetica* Weston, Univ. Bot. **1**: 123 (1770). — Halacsy, Consp. Fl. Graec. **1**: 694 (1901).  
*Hedera chrysocarpa* Walsh in Trans. Hort. Soc. Lond. **6**: 42 (1826).  
*Hedera poetarum* Bertoloni, Praelect. Rei Herb. 78 (1827); Fl. Ital. **2**: 688 (1835). — Tobler, Gatt. Hedera, 36, fig. 11–14 (1912).  
*Hedera Helix* var. *chrysocarpa* Tenore, Cat. Orto Napoli, 35, 86 (1845). — K. Koch, Wochenschr. Ver. Beförd. Gartenb. Preuss. **2**: 68 (1859). — Voss, Vilmor. Blumengärt. **1**: 407 [1894] "f." — Non De Candolle (1830).  
*Hedera Helix Baccifera lutea* Hibberd in Floral World, **7**: 58 (1864).  
*Hedera Helix* var. *poetarum* Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 224 (1916). — Hayek, Prodr. Fl. Balcan. **1**: 955 (1927) "subsp."
- H. Helix** var. *taurica* (Hibberd) Rehder in Bailey, Stand. Cycl. Hort. **3**: 1437 (1915); in Mitt. Deutsch. Dendr. Ges. **1915**(24): 224 [1916].  
*Hedera Helix Taurica* Hibberd in Floral World, **7**: 58 (1864). — W. Paul in Gard. Chron. **1867**: 1215 (1867).  
*Hedera poetarum* ? var. *taurica* Tobler, Gatt. Hedera, 42, fig. 15–18 (1912) "*H. Helix* var. *taurica*" sub fig. 15; in Repert. Sp. Nov. Reg. Veg. **13**: 159 (1914); in Mitt. Deutsch. Dendr. Ges. **1927**(38): 7, t. li (1927).
- H. canariensis** Willdenow in Mag. Ges. Naturf. Fr. Berlin, **2**: 70 (1808). — G. H. M. Lawrence & Schulze in Gent. Herb. **6**: 124, fig. 77A (1942).  
*Hedera Helix* β? *canariensis* De Candolle, Prodr. **4**: 261 (1830). — Voss, Vilmor. Blumengärt. **1**: 407 [1904] "subsp. b. c."  
*Hedera Algeriensis* Hibberd in Floral World, **7**: 57 (1864).  
*Hedera maderensis* [Hort.] ex K. Koch, Dendr. **1**: 680 (1869), pro syn.  
*Hedera grandifolia* Hibberd, Ivy, 96 (1872), p. p.  
*Hedera azorica* Carrière in Rev. Hort. **1890**: 163 (1890).  
*Hedera sevillaana* Sprenger in Gartenwelt, **7**: 244 (1903).  
*Hedera canariensis* var. *azorica* Bean, Trees Shrubs Brit. Isl. **1**: 601 (1914).
- H. nepalensis** K. Koch, Hort. Dendr. 284 (1853). — Rehder, Man. Cult. Trees Shrubs, 659 (1927).  
*Hedera Helix* sensu Wallich in Roxburgh, Fl. Ind. **2**: 515 (1824), non Linnaeus (1753).  
*Hedera Helix* γ? *chrysocarpa* De Candolle, Prodr. **4**: 261 (1830).  
*Hedera Helix himalaica* Hibberd in Floral World, **7**: 57 (1864).  
*Hedera Helix chrysocarpa* Hibberd in op. cit. 58 (1864).  
*Hedera colchica* sensu Seemann in Jour. Bot. **2**: 307 (Rev. Hederac. 33. 1868) (1864), p. p.; non K. Koch (1859).  
*Hedera Helix cinerea* Hibberd, Ivy, 71 (1872).  
*Hedera himalaica* Tobler, Gatt. Hedera, 67, fig. 31–38 (1912); in Repert. Sp. Nov. Reg. Veg. **13**: 160 (1914).  
*Hedera cinerea* Bean, Trees Shrubs Brit. Isl. **1**: 608 (1914).
- H. nepalensis** var. *sinensis* (Tobl.) Rehder in Jour. Arnold Arb. **4**: 250 (1923). — Li in Sargentia, **2**: 49 (1942).  
*Hedera Helix* sensu Hance in Jour. Bot. **20**: 6 (1882). — Diels in Notes Bot. Gard. Edinb. **7**: 258, 288 (1912). — Non Linnaeus (1753).  
*Hedera himalaica* var. *sinensis* Tobler, Gatt. Hedera, 79, fig. 39–42 (1912) "*H. sinensis*" in textu p. 80.  
*Hedera himalaica* sensu Harms & Rehder in Sargent, Pl. Wilson. **2**: 555 (1916), p. p.  
*Hedera sinensis* Tobler, Gatt. Hedera, 80 (1912). — Handel-Mazzetti, Symb. Sin. **1**: 693 (1933).
- H. rhombea** [Miq.] Bean, Trees Shrubs Brit. Isl. **1**: 609 (1914).  
*Hedera Helix* sensu Thunberg, Fl. Jap. 102 (1784), non Linnaeus (1753).  
*Hedera rhombea* Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **4**, 2: 202 (Fl. Jap. Fam. Nat. **1**: 94) (1845), p. p., nom.  
*Hedera Helix* γ. *rhombea* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 13 (1863).  
*Hedera Colchica* sensu Seemann in Jour. Bot. **2**: 307 (Rev. Hederac. 33. 1868) (1864), p. p.; non K. Koch (1859).  
*Hedera japonica* W. Paul in Gard. Chron. **1867**: 1215 (1867). — Tobler, Gatt. Hedera, 84, fig. 43–44a (1912). — Non Junghuhn (1840).  
*Hedera Helix* var. *japonica* Lavallée, Arb. Segrez. 126 (1877), nom.  
*Hedera Helix* var. *colchica* Makino in Bot. Mag. Tokyo, **8**: 300 (1884), non *H. colchica* K. Koch (1859).  
*Hedera Tobleri* Nakai, Fl. Sylv. Kor. **16**: 42, t. 14, 15 (1927).
- H. colchica** K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **2**: 74, 76 (1859). — Seemann in Jour. Bot. **2**: 307 (Rev. Hederac. 33. 1868) (1864), p. p. — Tobler, Gatt. Hedera, 52, fig. 21–30 (1912).  
*Hedera Helix* β. *colchica* K. Koch in Linnaea, **16**: 365 (1842). — Voss, Vilmor. Blumengärt. **1**: 407 [1894] "subsp. c."  
*Hedera Regneriana* Hibberd in Floral World, **1**: 138, fig. (p. 133) (1858), nom. subnud. — Pépin in Rev. Hort. **1862**: 245 (1862) "*Regneriana*."  
*Hedera Roegneriana* [Hort. ex] K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **2**: 76 (1859), pro syn.\*  
*Hedera cordifolia* Hibberd in Floral World, **7**: 57 (1864), nom. subnud.  
*Hedera colchica* β. *rhombifolia* Boissier, Fl. Or. **2**: 1091 (1872).  
*Hedera rhombifolia* Ruprecht ex Boissier, l. c. (1872), pro syn.  
*Hedera coriacea* Hibberd in Horticulturist, **25**: 114 (1870); Ivy, 105, fig. (p. 103) (1872).  
*Hedera Helix Raegneriana* Nicholson, Ill. Dict. Gard. **2**: 121, fig. 191 [1885].  
*Hedera macrophylla* hort. ex Voss, Vilmor. Blumengärt. **1**: 408 [1894], pro syn.
- H. colchica** f. *arborescens* (W. Paul), grad. nov.  
*Hedera Regneriana arborea* Hibberd in Floral World, **7**: 57 (1864), nom. subnud.  
*Hedera colchica arborescens* W. Paul in Gard. Chron. **1867**: 1215 (1867).  
*Hedera coriacea dendroides* Hibberd in Horticulturist, **25**: 114 (1870); Ivy, 107 (1872).

\* Named for G. Roegner, Curator of the Botanic Garden at Odessa about 1850.



**H. colchica** f. *dentata* Hibberd in Jour. Hort. Soc. Lond. 12: 395 (1890) "(f.)."

*Hedera coriacea dentata* Hibberd, Ivy, 106 (1870).

*Hedera colchica* var. *dentata* Hibberd in Gard. Mag. (Hibberd) 30: 388, fig. (1890?). — G. H. M. Lawrence & Schulze in Gent. Herb. 6: 124, fig. 76b (1942).

*Hedera Helix dentata* Nicholson, Ill. Dict. Gard. 2: 121, fig. 185 [1885].

**FATSHEDERA** (*Fatsia* × *Hedera*) Guillaumin in Jour. Soc. Hort. France, sér. 3, 24: 524, fig. 28 (1923).

**F. Lizei** (*Fatsia japonica* × *H. Helix*) (Cochet) Guillaumin, l. c. (1923). — A. M. in Gard. Chron. ser. 3, 74: 352 (1923) "*F. japonica* var. *Moseri* × *H. Helix* var. *hibernica*." — Everett in Gard. Chron. Am. 49: 100, fig. (1945).

*Aralia Lizei* Hort. ex Cochet in Rev. Hort. n. sér., 12: 562 (1912).

**FATSIA** Decaisne & Planchon in Rev. Hort. 1854: 105 (1854), nom. subnud. — Seemann in Jour. Bot. 3: 176 (Rev. Hederac. 48. 1868) (1865). — Bentham & Hooker f., Gen. Pl. 1: 939 (1867), exclud. syn.

Typus: *Aralia japonica* Thunb. = *Fatsia japonica* (Thunb.) Decne. & Planch.

**F. japonica** (Thunb.) Decaisne & Planchon in Rev. Hort. 1854: 105 (1854). — Seemann in Jour. Bot. 3: 176 (Rev. Hederac. 46. 1868) (1865).

*Aralia Japonica* Thunberg, Fl. Jap. 128 (1784).

*Aralia Sieboldii* Anon. in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 407 (1859).

**OPLOPANAX** Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 16 (1863). — Nakai, Fl. Sylv. Kor. 16: 37 (1927).

*Panax* 2. *Oplopanax* Torrey & Gray, Fl. N. Am. 1: 648 (1840).

*Echinopanax* Decaisne & Planchon in Rev. Hort. 1854: 105 (1854), nom. subnud. — Harms in Nat. Pflanzenfam. III. 8: 34 [1894].

*Horsfieldia* sensu Seemann in Jour. Bot. 5: 237 (Rev. Hederac. 84. 1868) (1867), p. p.; non Blume (1825).

*Fatsia* sensu Bentham & Hooker f., Gen. Pl. 1: 937 (1867), p. p.; non Decaisne & Planchon (1854), nec Seemann (1865).

*Ricinophyllum* [Pallas ex Ledebour, Fl. Ross. 2: 375 [1844], pro syn. —] Nelson & Macbride in Bot. Gaz. 61: 45 (1916), nom. subnud.

Typus: *Panax horridus* Sm. = *O. horridus* (Sm.) Miq.

**O. horridus** (Sm.) Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 16 (1863), exclud. pl. japon. — Fernald in Rhodora, 26: 123 (1924). — A. C. Smith in N. Am. Fl. 28b: 11 (1944).

*Panax horridum* Smith in Rees, Cyclop. 26: P. no. 10 [1813].

*Aralia erinacea* Hooker in Edinb. Jour. Sci. 6: 64 (1827).

*Ricinophyllum americanum* Pallas ex Ledebour, Fl. Ross. 2: 375 [1844], pro syn.

*Aralia occidentalis* Schlechtend. ex Ledebour, l. c. [1844], pro syn.

*Echinopanax horridum* Smith ex J. G. Cooper in U. S. Rep. Expl. Railr. Mississippi Pacific Oc. 12, 2: 31, 63 (1860). — Decaisne & Planchon ex Seemann in Jour. Bot. 5: 237 (Rev. Hederac. 85. 1868) (1867), pro syn.

*Horsfieldia horrida* Seemann in Jour. Bot. 5: 237 (Rev. Hederac. 85. 1868) (1867), exclud. pl. jap.

*Fatsia horrida* Benth. & Hook. ex Brewer & S. Watson, Bot. Calif. 1: 273 (1867).

*Ricinophyllum horridum* (Sm.) Nelson & Macbride in Bot. Gaz. 61: 45 (1916).

**O. elatus** (Nakai) Nakai, Fl. Sylv. Kor. 16: 38, t. 11 (1927) "*elatum*."

*Echinopanax horridum* sensu Komarov in Act. Hort. Petrop. 25: 119 (Fl. Mansh. III) (1907), non Decaisne & Planchon (1854).

*Echinopanax elatum* Nakai in Jour. Coll. Sci. Tokyo, 26, 1: 276, t. 15 (1909).

**O. japonicus** (Nakai) Nakai, Fl. Sylv. Kor. 16: 38 (1927) "*japonicum*."

*Oplopanax horridum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 16 (1863), p. p.

*Aralia Laribuki* Keiske herb. ex Miquel, l. c. (1862), pro syn.

*Aralia Faribuki* Siebold herb. ex Miquel, l. c. (1863), pro syn.

*Horsfieldia horrida* Seemann in Jour. Bot. 5: 237 (Rev. Hederac. 86. 1868) (1867), quoad pl. jap.

**NOTHOPANAX** Miquel, Fl. Ind. Bot. 1, 1: 765 (1855). — Seemann in Jour. Bot. 4: 293 (Rev. Hederac. 69. 1868) (1866). — Harms in Nat. Pflanzenfam. III. 8: 47 [1894].

Typus: *Panax fruticosus* L. = *N. fruticosus* (L.) Miq.

**N. Davidi** (Franch.) Harms in Bot. Jahrb. 29: 488 (1900). — Li in Sargentia, 2: 66 (1942).

*Panax Davidi* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 248 (Pl. David. 2: 66. 1888) [1886].

*Acanthopanax diversifolium* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 340 (1888).

*Nothopanax diversifolius* (Hemsl.) Harms in Nat. Pflanzenfam. III. 8: 48 [1894].

*Nothopanax Bockii* Harms in Bot. Jahrb. 29: 488 (1900). — Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 61: 121 (Pl. Nov. Sin. Forts. 27: 3) (1924), pro syn.

*Acanthopanax Davidi* Viguiet in Ann. Sci. Nat. Bot. sér. 9, 4: 41 (1906).

*Acanthopanax Bockii* Viguiet, l. c. (1906).

*Nothopanax latifolius* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 61: 121 (Pl. Nov. Sin. Forts. 27: 2) (1924); Symb. Sin. 7: 695 (1933).

**KALOPANAX** Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 10 (1863). — Harms in Nat. Pflanzenfam. III. 8: 50 [1894]. — Nakai, Fl. Sylv. Kor. 16: 33 (1927). — Li in Sargentia, 2: 90 (1942).

*Acanthopanax* sect. *Kalopanax* (Miq.) Harms in Mitt. Deutsch. Dendr. Ges. 1918(27): 31 (1918).

Typus: *Acer pictum* Thunb. = *Kalopanax pictus* (Thunb.) Nakai.

**K. pictus** (Thunb.) Nakai, Fl. Sylv. Kor. 16: 34, t. 8–10 (1927) "*pictum*." — Li in Sargentia, 2: 91 (1942).

*Acer pictum* Thunberg in Nov. Act. Soc. Sci. Upsal. 4: 36, 40 (1783).

*Acer septemlobum* Thunberg, Fl. Jap. 161 (1784).

*Aralia palmata* Loureiro, Fl. Cochinch. 187 (1790). — Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 338 (1888).

*Panax ricinifolium* Siebold & Zuccarini in Abh. Phys.-Math. Cl. 4, 2: 199 (Fl. Jap. Fam. Nat. 1: 91) (1845).

*Tetrapanax ricinifolium* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 2: 371 (1859).

*Kalopanax ricinifolium* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 16 (1863).

*Brassaiopsis ricinifolia* Seemann in Jour. Bot. 2: 291 (Rev. Hederac. 86. 1868) (1864).

**Kalopanax pictus** (continued)

- Acanthopanax ricinifolium* Seemann in Jour. Bot. 6: 140 (Rev. Hederac. 86) (1868). — Koehne in Mitt. Deutsch. Dendr. Ges. 1913(22): 145, fig. [1914].
- Kalopanax autumnalis* Koidzumi in Bot. Mag. Tokyo, 37: 58 (1923).
- Kalopanax septemlobus* Koidzumi in op. cit. 39: 306 (1925).
- Kalopanax ricinifolium* var. *typicum* Nakai in Jour. Arnold Arb. 5: 12 (1924).
- Kalopanax ricinifolium* var. *chinense* Nakai in op. cit. 13 (1924).
- Acanthopanax septemlobus* Koidzumi ex Rehder, Man. Cult. Trees Shrubs, 859 (1927). — Cheng in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 9: 204 (1934).
- Kalopanax pictus* var. *typicus* Nakai, Fl. Sylv. Kor. 16: 35 (1927).
- K. pictus** var. **magnificus** (Zab.) Nakai, op. cit. 36 (1927) "magnificum." — Li in Sargentia, 2: 92 (1942).
- Kalopanax ricinifolium* var. *magnificum* Zabel in Gartenwelt, 11: 535 (1907). — Nakai in Jour. Arnold Arb. 5: 12 (1924).
- Acanthopanax acerifolium* Schelle in Mitt. Deutsch. Dendr. Ges. 1908(17): 217 (1908); in Repert. Sp. Nov. Reg. Veg. 8: 347 (1910).
- Kalopanax septemlobus* var. *magnificum* Handel-Mazzetti, Symb. Sin. 7: 699 (1933).
- Acanthopanax septemlobus* var. *magnificum* Cheng in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 9: 204 (1934). — Nemoto in Nippon-Shokob.-Soran-Hoi, 528 (Fl. Jap. Suppl.) (1936).
- K. pictus** var. **Maximowiczii** (Van Houtte) Li in Sargentia, 2: 92 (1942).
- Aralia Maximowiczii* Van Houtte, Fl. des Serr. 20: 39, t. 2067-9 (1874).
- Acanthopanax ricinifolium* var. *Maximowiczii* Schneider, Ill. Handb. Laubh. 2: 429, fig. 291d (1909). — Harms in Mitt. Deutsch. Dendr. Ges. 1918(27): 31, t. 5E-N (1918).
- Kalopanax ricinifolium* var. *Maximowiczii* Nakai in Jour. Arnold Arb. 5: 13 (1924).
- Kalopanax septemlobus* var. *Maximowiczii* Handel-Mazzetti, Symb. Sin. 7: 699 (1933).
- Acanthopanax septemlobus* var. *Maximowiczii* Cheng in Contrib. Biol. Lab. Sci. Soc. China Bot. Ser. 9: 204 (1934).
- Kalopanax pictum* f. *Maximowiczii* (V. Houtte) Hara in Bot. Mag. Tokyo, 50: 365 (1936).

**ACANTHOPANAX** Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 10 (1863). — Nakai, Fl. Sylv. Kor. 16: 18 (1927). — Li in Sargentia, 2: 69 (1942).

*Panax* subgen. *Acanthopanax* Decaisne & Planchon in Rev. Hort. 1854: 105 (1854).

TYPE: *Panax spinosum* L. f. = *A. spinosus* (L. f.) Miq.

Sect. I. **ELEUTHEROCOCCUS** (Maxim.) Harms in Nat. Pflanzenfam. III. 8: 49 [1894].

*Eleutherococcus* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 132 (Prim. Fl. Amur.) (1859). — Nakai, Fl. Sylv. Kor. 16: 26 (1927).

- A. senticosus** (Rupr. & Maxim.) Harms in Nat. Pflanzenfam. III. 8: 50 [1897]. — Li in Sargentia, 2: 71 (1942).
- Hedera?* *senticosus* Ruprecht & Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 134 (in Mém. Biol. 2: 526. 1857) (1856). — Ruprecht in op. cit. 15: 367 (2: 546. 1858) (1857).

*Eleutherococcus senticosus* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 132 (Prim. Fl. Amur.) (1859). — Nakai, Fl. Sylv. Kor. 16: 31, t. 6 (1927).

*Acanthopanax Eleutherococcus* Makino in Bot. Mag. Tokyo, 12: 19 (1898).

- A. senticosus** f. **subinermis** (Reg.) Li in Sargentia, 2: 72 (1942).

*Eleutherococcus senticosus* β. *subinermis* Regel in Mém. Acad. Sci. St. Pétersb. sér. 7, 4: 73 (Tent. Fl. Ussur.) (1861).

*Eleutherococcus senticosus* f. *inermis* Komarov in Act. Hort. Petrop. 25: 121 (Fl. Mansh. III) (1907).

*Acanthopanax senticosus* f. *inermis* Harms in Mitt. Deutsch. Dendr. Ges. 1918(27): 8 (1918). — Rehder, Man. Cult. Trees Shrubs, 661 (1927) "var."

- A. leucorrhizus** (Oliv.) Harms in Nat. Pflanzenfam. III. 8: 49 (1894); in Mitt. Deutsch. Dendr. Ges. 1918(27): 9 (1918). — Li in Sargentia, 2: 72 (1942).

*Eleutherococcus leucorrhizus* Oliver in Hooker's Icon. Pl. 18: t. 1711, p. [1] (1887).

- A. leucorrhizus** var. **fulvescens** Harms & Rehder in Sargent, Pl. Wilson. 2: 558 (1916). — Li in Sargentia, 2: 73 (1942).

*Eleutherococcus leucorrhizus* var. *fulvescens* Nakai, Fl. Sylv. Kor. 16: 27 (1927).

*Acanthopanax longipes* Handel-Mazzetti, Symb. Sin. 7: 696 (1933).

- A. leucorrhizus** var. **scaberulus** Harms & Rehder in Sargent, Pl. Wilson. 2: 558 (1916). — Li in Sargentia, 2: 73 (1942).

*Eleutherococcus leucorrhizus* var. *scaberulus* Nakai, Fl. Sylv. Kor. 16: 29 (1927).

- A. setchuensis** Harms in Bot. Jahrb. 29: 488 (1900). — Li in Sargentia, 2: 73 (1942).

*Eleutherococcus setchuensis* Nakai, Fl. Sylv. Kor. 16: 30 (1927).

- A. Simonii** Schneider, Ill. Handb. Laubh. 2: 426, fig. 290c (1909). — Li in Sargentia, 2: 75 (1942).

*Eleutherococcus Simonii* Decaisne ex Simon-Louis, Preisverz. no. 7: ? (1902), nom. — Hesse in Mitt. Deutsch. Dendr. Ges. 1913(22): 272, fig. (p. 270) [1914]. — Nakai, Fl. Sylv. Kor. 16: 30 (1927).

*Eleutherococcus leucorrhizus* sensu Anon. in Gard. Chron. ser. 3, 38: 404, fig. 152 (1905), non Oliver (1887).

- A. Henryi** (Oliv.) Harms in Nat. Pflanzenfam. III. 8: 49 [1897]. — Li in Sargentia, 2: 74 (1942).

*Eleutherococcus Henryi* Oliver in Hooker's Icon. Pl. 18: t. 1711 (1887).

Sect. II. **CEPHALOPANAX** (Baill.) Harms in Mitt. Deutsch. Dendr. Ges. 1918(27): 14 (1918).

*Cephalopanax* Baillon in Adansonia, 12: 149 (1878).

- A. divaricatus** (Sieb. & Zucc.) Seemann in Jour. Bot. 5: 239 (Rev. Hederac. 87. 1868) (1867) "divaricatum." — Li in Sargentia, 2: 76 (1942).

*Panax divaricatum* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4: 200 (Fl. Jap. Fam. Nat. 1: 92) (1845).

*Kalopanax divaricatum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 17 (1863); 2: 158 (1866).

*Acanthopanax asperatum* Franchet & Savatier, Enum. Pl. Jap. 1: 193 [1875], sphalm. "asperata"; 2: 378 [1878?]. — Franchet & Savatier ex Franchet in Nouv. Arch. Mus.

- Hist. Nat. Paris, sér. 2, **6**: 26 (Pl. David. **1**: 146. 1884) (1883) "*asperulatum*."
- A. lasiogyne** Harms in Sargent, Pl. Wilson. **2**: 563 (1916). — Li in Sargentia, **2**: 78 (1942).
- A. sessiliflorus** (Rupr. & Maxim.) Seemann in Jour. Bot. **5**: 239 (Rev. Hederac. 87. 1868) (1867) "*sessiliflorum*." — Li in Sargentia **2**: 77 (1942).  
*Panax sessiliflorum* Ruprecht & Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 133 (in Mém. Biol. **2**: 426. 1857) (1856).  
*Cephalopanax sessiliflorum* Baillon ex Nakai in Jour. Arnold Arb. **5**: 6 (1924), pro syn.
- A. sessiliflorus** var. **parviceps** Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 192 [1913]. — Li in Sargentia, **2**: 78 (1942).
- Sect. III. EUACANTHOPANAX Harms in Nat. Pflanzenfam. III. **8**: 50 [1897], p. p.; in Mitt. Deutsch. Dendr. Ges. **1918**(27): 18 (1918), sensu strictiore. — Nakai in Jour. Arnold Arb. **5**: 2 (1924) "subsect."  
*Acanthopanax* sect. *Orthacanthopanax* Nakai, l. c. (1924), p. p.
- A. Giraldui** Harms in Bot. Jahrb. **36**, Beibl. **82**: 80 (1905). — Li in Sargentia, **2**: 80 (1942).  
*Eleutherococcus Giraldui* Nakai in Jour. Arnold Arb. **5**: 9 (1924).
- A. Giraldui** var. **inermis** Harms & Rehder in Sargent, Pl. Wilson. **2**: 560 (1916). — Li in Sargentia, **2**: 81 (1942).
- A. Sieboldianus** Makino in Bot. Mag. Tokyo, **12**: 10 (1898). — Rehder in Jour. Arnold Arb. **7**: 243 (1926), in textu. — Li in Sargentia, **2**: 83 (1942).  
*Aralia pentaphylla* sensu Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4**: 201 (Fl. Jap. Fam. Nat. **1**: 93) (1845), exclud. syn. *Panax spinosa*; non Thunberg (1784).  
*Acanthopanax spinosum* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 10 (1863), exclud. basonym., quoad descript.  
*Acanthopanax pentaphyllum* Marchal in Bull. Soc. Bot. Belg. **20**: 79 (1881), exclud. basonym., quoad descript.  
*Acanthopanax trichodon* sensu Zabel in Gartenwelt, **11**: 535 (1909), non Franchet & Savatier [1878?].  
*Eleutherococcus japonicus* Nakai in Jour. Arnold Arb. **5**: 10 (1924), exclud. basonym.
- A. Sieboldianus** f. **variegatus** (Nichols.) Rehder in Jour. Arnold Arb. **7**: 243 (1926).  
*Aralia pentaphylla* fol. var. Van Houtte in Fl. des Ser. **20**: 55, t. 2079-80 (1874).  
*Aralia pentaphylla variegata* Nicholson, Ill. Dict. Gard. **1**: 104 [1884], exclud. descript. speciei.  
*Acanthopanax pentaphyllum* var. *variegatum* Hort. ex Rehder in Bailey Cycl. Am. Hort. **1**: 11 (1900).  
*Eleutherococcus japonicus* f. *variegatus* Nakai in Jour. Arnold Arb. **5**: 11 (1924).
- A. spinosus** (L. f.) Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 10 (1863) "*spinosum*"; p. p. quoad basonym., exclud. descript. — Nakai in Jour. Arnold Arb. **5**: 3 (1924).  
*Panax spinosum* Linnaeus f., Suppl. Pl. 441 (1781).  
*Aralia pentaphylla* Thunberg, Fl. Jap. 128 (1784). — De Candolle, Prodr. **4**: 259 (1830) "?."
- Sect. IV. ZANTHOXYLOPANAX Harms in Mitt. Deutsch. Dendr. Ges. **1918**(27): 26 (1918). — Nakai in Jour. Arnold Arb. **5**: 1 (1924) "subsect."  
*Acanthopanax* sect. *Orthacanthopanax* Nakai (1924), p. p.
- A. Wardii** W. W. Smith in Notes Bot. Gard. Edinb. **10**: 7 (1917); **17**: 101 (1929). — Li in Sargentia, **2**: 88 (1942).  
*Acanthopanax ternatus* Rehder in Jour. Arnold Arb. **2**: 124 (1920); Man. Cult. Trees Shrubs, ed. 2, 678 (1940).
- A. trifoliatum** (L.) Voss in Vilmor. Blumengärt. **1**: 406 [1894] "*trifoliatum*." — Merrill in Philipp. Jour. Sci. **1**: (Suppl.): 217 (1906). — Harms & Rehder in Sargent, Pl. Wilson. **2**: 563 (1916). — Li in Sargentia, **2**: 86 (1942).  
*Xanthoxylum trifoliatum* Linnaeus, Sp. Pl. 270 (1753).  
*Panax aculeatum* Aiton, Hort. Kew. **3**: 448 (1789).  
*Plectronia chinensis* Loureiro, Fl. Cochinch. 162 (1790).  
*Panax Loureirianum* De Candolle, Prodr. **4**: 252 (1830).  
*Aralia trifoliata* Meyen, Reise, **2**: 332 (1835), nom. — Walpers in Verh. Leop.-Carol. Akad. Naturf. **14**, Suppl. **1**: 348 (1843).  
*Acanthopanax aculeatum* H. Witte in Ann. Hort. Bot. Pays-Bas, **4**: 89 (1861). — Seemann in Jour. Bot. **5**: 238 (Rev. Hederac. 86. 1868) (1867).  
*Acanthopanax sepium* Seemann in op. cit. 239 (l. c. 1868) (1867).
- Sect. V. SCIADOPHYLLOIDES Harms in Mitt. Deutsch. Dendr. Ges. **1918**(27): 30 (1918).
- A. sciadophylloides** Franchet & Savatier, Enum. Pl. Jap. **1**: 193 (1875); **2**: 378 [1878?]. — Harms in op. cit. 30, t. 46-L (1918).  
*Kalopanax sciadophylloides* Harms in Nat. Pflanzenfam. III. **8**: 51 [1897].
- ARALIA** Linnaeus, Sp. Pl. 273 (1753); Gen. Pl. ed. 5, 134, no. 346 (1754). — Bentham & Hooker f., Gen. Pl. **1**: 936 (1867).  
*Dimorphanthus* Miquel, Comment. Phytogr. 95, t. 12 (1840).  
LECTOTYPUS: *A. racemosa* L.
- A. spinosa** Linnaeus, Sp. Pl. 273 (1753). — Sargent, Silva N. Am. **5**: 59, t. 211 (1893). — A. C. Smith in N. Am. Fl. **28B**: 5 (1944).  
*Chaerophyllum arborescens* Linnaeus, Sp. Pl. 259 (1753).  
*Angelica spinosa* Shecut, Fl. Carol. **1**: 167 (1806).  
*Aralia Leroana* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **7**: 369 (1864).  
*Aralia spinosa* f. *subinermis* Moldenke in Castanea, **9**: 54 (1944).
- A. chinensis** Linnaeus, Sp. Pl. 273 (1753). — Li in Sargentia, **2**: 109 (1942).  
*Leea spinosa* Sprengel, Syst. Veg. **1**: 670 (1825), p. p.?  
*Aralia spinosa* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 338 (1888), p. p.; non Linnaeus (1753).
- A. chinensis** var. **nuda** Nakai in Jour. Arnold Arb. **5**: 32 (1924). — Rehder in Jour. Arnold Arb. **15**: 116 (1934). — Li in Sargentia, **2**: 110 (1942).  
*Aralia chinensis* a. *elata* Dippel, Handb. Laubh. **3**: 233 (1893), p. p.  
*Aralia stipulata* Franchet in Jour. de Bot. **10**: 304 (1896). — Handel-Mazzetti, Symb. Sin. **7**: 704 (1933).  
*Aralia chinensis* var. *glabrescens* sensu Harms & Rehder in Sargent, Pl. Wilson. **2**: 567 (1911), non Schneider (1909).  
*Eleutherococcus Mairei* Lévillé in Repert. Sp. Nov. Reg. Veg. **13**: 342 (1914).
- A. elata** (Miq.) Seemann in Jour. Bot. **6**: 134 (Rev. Hederac. 90) (1868). — Nakai, Fl. Sylv. Kor. **16**: 46, t. 16 (1927).

**Aralia elata** (continued)

- Dimorphanthus elatus* Miquel, Comment. Phytogr. 95, t. 12 (1840).
- Aralia canescens* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 2: 202 (Jap. Fam. Nat. 1: 94) (1845).
- Aralia mandshurica* Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 134 (in Mém. Biol. 2: 427. 1857) (1856).
- Dimorphanthus mandshuricus* Ruprecht & Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 133 (Prim. Fl. Amur.) (1859).
- Aralia spinosa* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 7 (1863), non Linnaeus (1753).
- Aralia japonica* Hort. ex K. Koch, Dendr. 1: 674 (1869), non Thunberg (1784).
- Aralia spinosa* a. *glabrescens* Franchet & Savatier, Enum. Pl. Jap. 1: 191 [1873].
- Aralia spinosa* var. *canescens* Sargent in Silva N. Am. 5: 60 (1893).
- Aralia chinensis* β. *canescens* Koehne, Deutsche Dendr. 432 (1893).
- Aralia chinensis* a. *elata* Dippel, Handb. Laubh. 2: 333 (1893), quoad basonym.
- Aralia spinosa* var. *elata* Sargent in Gard. & For. 6: 233 (1893); Silva N. Am. 5: 60 (1893).
- Aralia chinensis* var. *Mandshurica* Rehder in Bailey, Cycl. Am. Hort. [1]: 88 (1900).
- Aralia chinensis* sensu Harms & Rehder in Sargent, Pl. Wilson. 2: 566 (1916), p. p.; non Linnaeus (1753).
- A. elata** f. *variegata* (Rehd.) Nakai in Jour. Arnold Arb. 5: 31 (1924).
- Dimorphanthus mandshuricus* var. *foliis varieg.* Rodigas in Ill. Hort. 33: 141, t. 609 (1886).
- Aralia japonica* *variegata* Anon. in Gard. Chron. ser. 3, 31: 228, fig. 73 (1902), non *Aralia japonica* Thunberg (1784).
- Dimorphanthus mandshuricus* *argenteo-marginatus* Anon. in Garden, 63: 382, fig. (p. 379) (1903).
- Aralia chinensis* var. *variegata* Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 192 [1913].
- Aralia chinensis* var. *albo-marginata* Bean, Trees Shrubs Brit. Isl. 1: 197 (1914).
- Dimorphanthus mandshuricus* *variegatus* Langworthy in Garden, 79: 598, fig. (1915).
- A. elata** f. *aureo-variegata* (Rehd.) Nakai in Jour. Arnold Arb. 5: 31 (1924).
- Aralia chinensis* var. *aureo-variegata* Rehder in Möller's Deutsch. Gärtn.-Zeit. 12: 462 (1897).
- A. elata** f. *pyramidalis* (Bean) Rehder in Jour. Arnold Arb. 20: 424 (1939).
- Aralia chinensis* var. *pyramidalis* Hort. [ex Bean] in Kew Hand-list Trees Shrubs, ed. 2, 399 (1909), nom.—Bean, Trees Shrubs Brit. Isl. 1: 197 (1914).
- Aralia chinensis* *fastigiata* Skeels & Van Eseltine in U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Imp. 50: 64, no. 44378 (1922), nom.
- Aralia elata* f. *fastigiata* Rehder in Jour. Arnold Arb. 7: 243 (1926).
- A. elata** var. *canescens* (Franch. & Sav.) Nakai in Jour. Arnold Arb. 5: 31 (1924).
- Aralia spinosa* β. *canescens* Franchet & Savatier, Enum. Pl. Jap. 1: 192 (1873), exclud. basonym.
- Aralia canescens* Jäger in Jäger & Beissner, Ziergeh. ed. 3, 37 (1889), non Siebold & Zuccarini (1845).
- Aralia chinensis* a. *elata* Dippel, Handb. Laubh. 3: 233 (1893), exclud. basonym.

*Aralia chinensis* var. *canescens* [Bean] in Kew Hand-list Trees Shrubs, ed. 2, 399 (1902), nom.—Schneider, Ill. Handb. Laubh. 2: 431 (1909), p. p.

- A. hispida** Ventenat, Descr. Pl. Nouv. Jard. Cels, t. 41 (1800).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 618, fig. 3092 (1913).
- Aralia Mühlenbergiana* Willdenow ex Roemer & Schultes, Syst. Veg. 6: 704 (1820).
- A. nudicaulis** Linnaeus, Sp. Pl. 274 (1753).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 618, fig. 3091 (1913).
- Aralia nudicaulis* var. *prolifera* Apgar in Bull. Torrey Bot. Club, 14: 166 (1887).
- Aralia nudicaulis* var. *elongata* Nash in Bull. Torrey Bot. Club, 20: 374 (1893).

Fam. **UMBELLIFERAE**

- UMBELLIFERAE Scopoli, Fl. Carniol. 326 (1760, pref. June).—Jussieu, Gen. Pl. 218 (1789).—De Candolle, Prodr. 4: 55 (1830).—Bentham & Hooker f., Gen. Pl. 1: 859 (1867).—Drude in Nat. Pflanzenfam. III. 8: 63 [1897].—NOM. ALTERN. CONSERV. cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).
- Umbellatae* Adanson, Fam. Pl. 2: 89 (1763), p. p.
- Umbelliferae* trib. *Ammiaceae* Presl, Delic. Prag. 1: 132 (1822), nom. subnud.
- Apiaceae* Lindley, Nat. Syst. Veg. ed. 2, 21 (1836).
- Umbellaceae* Lowe, Man. Fl. Madeira, 1: 341 (1868).
- Ammiaceae* Presl ex Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 619 (1913).

- BUPLEURUM** Linnaeus, Sp. Pl. 236 (1753); Gen. Pl. ed. 5, 110, no. 291 (1754).—Bentham & Hooker f., Gen. Pl. 1: 886 (1867).
- Agrostana* Hill, Veg. Syst. 5: 32 t. 19 (1763); ed. 2, 5: 32, t. 19 (1772).
- Buprestis* Sprengel in Mag. Ges. Naturf. Fr. Berlin, 6: 258 (1812).
- Odontites* Sprengel, l. c. (1812), non Moench (1794).
- Tenoria* Sprengel in Neue Schrift. Naturf. Ges. Halle, 2: 39 (Pl. Umbell. Prodr.) (1813).
- Diaphyllum* G. F. Hoffmann, Gen. Pl. Umbell. 115 (1814).
- Isophyllum* G. F. Hoffmann, l. c. (1814).
- Agostana* Bute [Bot. Tables, 8: 299. 1785].—S. F. Gray, Nat. Arrang. Brit. Pl. 2: 526 (1821).
- Diatropa* Dumortier, Florula Belg. 76 (1827).
- Trachypleurum* Reichenbach, Consp. Reg. Veg. 143 (1828).
- Orimaria* Rafinesque in Bull. Bot. (Seringe), 218 (1830).
- Perfolisa* Rafinesque, Good Book Nat. 54 (1840).
- Tepso* Rafinesque, l. c. (1840).
- Perfoliata* Fourreau in Ann. Soc. Linn. Lyon, n. sér. 16: 390 (1868).
- Odontea* Fourreau in op. cit. 391 (1868).
- LECTOTYPUS: *B. rotundifolium* L.

- B. fruticosum** Linnaeus, Sp. Pl. 236 (1753).—Rouy & Camus, Fl. France, 7: 313 (1901).
- Buprestis fruticosa* Sprengel in Mag. Ges. Naturf. Fr. Berlin, 6: 259 (1812).
- Tenoria fruticosa* Sprengel in Neue Schrift. Naturf. Ges. Halle, 2: 32 (1813).

Fam. **CORNACEAE**

- CORNACEAE Link, Handb. Erkenn. Gew. 2: 2 (1831).—Bentham & Hooker f., Gen. Pl. 1: 947 (1867), p. p. typ.—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 110 pp. 24 fig. (1910).

- Caprifoliaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 4: 268 (1805), p. p. quoad *Cornus*.  
*Caprifoliaceae* sect. *Corneae* Humboldt, Bonpland, Kunth, Nov. Gen. Pl. 3: 430 (fol. ed. 335) (1818).  
*Hederaceae* A. Richard, Bot. Méd. 2: 449 (1823), p. p. quoad *Cornus*.  
*Caprifoliaceae* trib. 1. *Hederaceae* Duby in De Candolle, Bot. Gall. ed. 2, 244 (1828), p. p. quoad *Cornus*.—Lindley, Introd. Nat. Syst. Bot. 207 (1830), p. p. quoad *Cornus*.  
*Corneae* De Candolle, Prodr. 4: 271 (1830).  
*Aucubaceae* Agardh, Theoria Syst. Pl. 303 (1858).  
*Helwingiaceae* Morren & Decaisne in Bull. Acad. Sci. Belg. 3: 169 (Obs. Pl. Jap. 4) (1836).—A. de Candolle, Prodr. 16,2: 680 (1864).
- HELWINGIA** Willdenow, Sp. Pl. 4: 716 (1805).—Bentham & Hooker f., Gen. Pl. 1: 939 (1867).—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 33 (1910).  
 TYPUS: *H. japonica* (Thunb.) F. G. Dietrich.
- H. japonica** (Thunb.) F. G. Dietrich, Nachtr. Vollst. Lex. Gärtn. Bot. 3: 660 (1817).—Wangerin in op. cit. 35, fig. 7 (1910).—Rehder in Sargent, Pl. Wilson. 2: 570 (1916).  
*Osyris japonica* Thunberg, Fl. Jap. 31 (1784).  
*Helwingia rusciflora* Willdenow, Sp. Pl. 4: 716 (1805).
- H. chinensis** Batalin in Act. Hort. Petrop. 13: 97 (1893).—Rehder in Sargent, Pl. Wilson. 2: 571 (1916).  
*Helwingia japonica* var. *himalaica* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 249 (Pl. David. 2: 67, 1888) (1885), non *H. himalaica* Hook f. & Thoms. ex Clarke (1879).  
*Helwingia rusciflora* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 341 (1888), non Willdenow (1805).  
*Helwingia chinensis* var. *a. genuina* Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 37 (1910).
- AUCUBA** Thunberg (praes.; resp. J. G. Lodin), Diss. Nov. Gen. Pl. 3: 61 (1783); Fl. Jap. 4 (1784).—Bentham & Hooker f., Gen. Pl. 1: 950 (1867).—Nakai, Fl. Sylv. Kor. 16: 60 (1927).  
*Aukuba* Thunberg, Fl. Jap. 64 (1784).—K. Koch, Dendr. 1: 695 (1869).  
*Eubasis* Salisbury, Prodr. Stirp. Chap. Allert. 68 (1796).  
 TYPUS: *A. japonica* Thunb.
- A. japonica** Thunberg (praes.; resp. J. G. Lodin), Diss. Nov. Gen. Pl. 3: 61 (1783); Fl. Jap. 64, t. 12, 13 (1784) "*Aukuba* I."—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 38, fig. 9, 10 (1910).—Nakai, Fl. Sylv. Kor. 16: 61, t. 17 (1927).  
*Eubasis dichotoma* Salisbury, Prodr. Stirp. Chap. Allert. 68 (1796).  
*Aucuba japonica* var. *λ. concolor* Regel in Ind. Sem. Hort. Petrop. 1866: 96 (1867).  
*Aucuba japonica viridis* Bull ex Hamburg. Gart.- & Blumenzeit. 21: 513 (1865), nom.  
*Aucuba japonica a. typica* Nakai in Bot. Mag. Tokyo, 23: 43 (1909).
- A. japonica f. variegata** (Dombrain), grad. nov.  
*Aucuba japonica variegata* Dombrain in Floral Mag. 5: t. 277 (1866).  
*Aucuba japonica a. maculata* Regel in Ind. Sem. Hort. Petrop. 1866: 96 (1867).  
*Aucuba japonica var. punctata* Hort. ex K. Koch, Dendr. 1: 697 (1869).
- A. japonica f. picturata** (T. Moore), grad. nov.  
*Aucuba japonica picturata* T. Moore in Proc. Hort. Soc. Lond. 2: 371, 377 (1862).  
*Aucuba japonica* 2. *latimaculata* Kirchner in Petzold & Kirchner, Arb. Muscav. 424 (1864).—Rehder in Bailey, Stand. Cycl. Hort. 1: 429 (1914) "var."  
*Aucuba japonica γ. variegata* Regel in Ind. Sem. Hort. Petrop. 1866: 96 (1867), non D'Ombrain (1866).  
*Aucuba japonica picta* Hort. ex K. Koch, Dendr. 1: 697 (1869).  
*Aucuba japonica aureo-maculata* Hibberd, New Rare Beaut.-leav. Pl. 113, t. 43 (1870).
- A. japonica f. luteo-marginata** (Reg.), grad. nov.  
*Aucuba japonica luteo-marginata* Regel in Gartenfl. 13: 38 (1864, Febr.).  
*Aucuba japonica limbata* Bull ex T. Moore in Proc. Hort. Soc. Lond. 4: 133 (1864, June).—Rehder in Bailey, Stand. Cycl. Hort. 1: 429 (1914) "var."  
*Aucuba japonica aureo-marginata* Dippel, Handb. Laubh. 3: 260 (1893), nom. altern.
- A. japonica f. dentata** [Carr.] Schelle in Beissner et al., Handb. Laubh.-Ben. 369 (1903) "(f.)"  
*Aucuba japonica dentata* Carrière in Rev. Hort. 1866: 88 (1866).
- A. japonica f. longifolia** [T. Moore] Schelle in Beissner et al., Handb. Laubh.-Ben. 369 (1903).  
*Aucuba japonica longifolia* T. Moore in Proc. Hort. Soc. Lond. 4: 135 (1864).—Veitch ex Rehder, Man. Cult. Trees Shrubs, 667 (1927) "var."  
*Aucuba japonica μ. angustifolia* Regel in Ind. Sem. Hort. Bot. Petrop. 1866: 97 (1867).  
*Aucuba japonica var. salicifolia* Bean, Trees Shrubs Brit. Isl. 1: 228 (1914).
- A. japonica f. luteocarpa** (Dombrain), grad. nov.  
*Aucuba luteocarpa* Dombrain in Floral Mag. n. ser. 1872: t. 12 (1872).  
*Aucuba japonica f. fructu luteo* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 370 (1903), nom.
- A. himalaica** Hooker f. & Thomson in Hooker f., Ill. Himal. Pl. t. 12 (1855).—Wangerin in Engler, Pflanzenreich, iv. 229(Heft 41): 41 (1910).  
*Aucuba japonica a. himalaica* Dippel, Handb. Laubh. 3: 260 (1893).—Schelle in Beissner et al., Handb. Laubh.-Ben. 369 (1903) "f. himalayca."  
*Aucuba japonica* sensu Harms in Bot. Jahrb. 29: 507 (1901), p. p., non Thunberg (1783).  
*Aucuba japonica γ. longifolia* Nakai in Bot. Mag. Tokyo, 23: 43 (1909), p. p.; non T. Moore (1864).
- A. chinensis** Bentham, Fl. Hongk. 138 (1861).—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 40 (1910).  
*Aucuba japonica* Harms in Bot. Jahrb. 29: 507 (1900), p. p.  
*Aucuba japonica γ. longifolia* Nakai in Bot. Mag. Tokyo, 23: 43 (1909), p. p.; non T. Moore (1864).
- CORNUS** Linnaeus, Sp. Pl. 117 (1753); Gen. Pl. ed. 5, 54, no. 139 (1754).—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 43 (1910).—Rickett in Torrey, 42: 11, 131 (1942).  
*Chamaepericlymenum* Hill, Brit. Herbal, 331 (1756).—Graebner in Ascherson & Graebner, Fl. Nordostdeutsch. Flachl. 225, 539 (1898).  
*Eukrania Rafinesque* ex B. D. Jackson, Index Kew. 1: 912 [1894].

**Cornus** (continued)

- Cornella* Rydberg in Bull. Torrey Bot. Club, **33**: 147 (1906).
- Arctocrania* (Endl.) Nakai in Bot. Mag. Tokyo, **23**: 39 (1909).
- Mesomora* [Rudbeck Lapp. 98 (1701) ex Linnaeus, Fl. Lapp. 36 (1737).—Nieuwland in Am. Midland Nat. **1**: 20 (1909), pro syn.—] Nieuwland in op. cit. **4**: 487 (1916) "*Mesomora canadensis*."
- Afrocrania* (Harms) Hutchinson in Ann. Bot. **29**: 89 (1942).
- LECTOTYPUS: *C. sanguinea* L. (cf. Hutchinson in Ann. Bot. **29**: 86 (1942)).
- Sect. I. **THELYCRANIA** (Endlich.) C. A. Meyer in Mém. Sci. Math. Phys. sér. 6,2 (Sci. Nat.), **5** (Bot.): 203 (Ueber Ein. Cornus-Art. 13. 1845) (1849).—Harms in Nat. Pflanzenfam. III. **8**: 266 (1898).
- Cornus* c. *Thelycrania* Endlicher, Gen. Pl. 798 [1839].—Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 49 (1910) "subgen."
- Cornus* subgen. *Kraniopsis* Rafinesque, Alsogr. Am. **58** (1838).
- Cornus* subgen. *Mesomora* Rafinesque, Alsogr. Am. **58**, 59, 62, 76 (1838), p. 58 sphalm. *Mesomera*.—Nakai, Fl. Sylv. Kor. **16**: 81 (1927) "sect. *Mesomera*, comb. nov."—Non Rudbeck ex Linnaeus (1737).
- Cornus* sect. *Microcarpum* Spach, Hist. Nat. Vég. Phan. **8**: 92 (1839).—Koehne, Deutsche Dendr. 435 (1893); in Mitt. Deutsch. Dendr. Ges. **1903** (12): 27 (1903).
- Cornus* sect. *Thelycrania* I. *Alternifoliae* C. A. Meyer in Mém. Sci. Math. Phys. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), **5** (Bot.): 203 (Ueber Ein. Cornus Art. 13. 1845) (1849); in Ann. Sci. Nat. Bot. sér. 3, **4**: 59 (1845).
- Cornus* sect. *Thelycrania* II. *Oppositifoliae* C. A. Meyer in op. cit. 205 (15. 1845) (1849); in op. cit. 60 (1845).
- Svida* Opiz, Seznam Rostl. Květ. Česk. **94** (1852).
- Cornus* sect. *Microcarpum* subsect. *Bothrocaryum* Koehne in Gartenfl. **45**: 285 (1896); **46**: 96 (1897).—Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 49 (1910) "subgen. *Th.* sect. *B.*"
- Cornus* sect. *Microcarpum* subsect. *Amblycaryum* Koehne in op. cit. 286 (1896); **46**: 96 (1897).—Wangerin in op. cit. 52 (1910) "subgen. *Th.* sect. *A.*"
- Ossea* Nieuwland & Lunell in Am. Midland Nat. **4**: 487 (1916).
- Cornus* sect. *Mesomora* sensu Nakai, Fl. Sylv. Kor. **16**: 78 (1927); TYPUS: *C. alba* L.; non Rafinesque (1838).
- C. alternifolia** Linnaeus f., Suppl. Pl. 125 (1781).—Sargent, Silva N. Am. **5**: 71, t. 216 (1893).—Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 50, fig. 13, 14A-B (1910).
- ?*Cornus citrifolia* Weston, Bot. Univ. **1**: 74 (1770).
- Cornus alterna* Marshall, Arbust. Am. **35** (1785).
- Cornus alternifolia* a. *pennsylvanica* et β. *canadensis* Hayne, Dendr. Fl. **8** (1822).
- Cornus undulata* Rafinesque, Alsogr. Am. **61** (1838).
- Cornus rotundifolia* Rafinesque, op. cit. 62 (1838).
- Cornus riparia* Rafinesque, l. c. (1838).
- Cornus riparia* var. *rugosa* Rafinesque, l. c. (1838).
- Cornus punctata* Rafinesque, l. c. (1838).
- Cornus plicata* Tausch in Flora, **21**: 733 (1838).
- Svida alternifolia* (L. f.) Small, Fl. Southeast. U. S. **853**, 1335 (1903).
- C. alternifolia** f. *argentea* (Rehd.), grad. nov.
- Cornus alternifolia argentea* [Temple] Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 377 (1900).—Temple &

- Beard ex Rehder in Bailey, Stand. Cycl. Hort. **2**: 852 (1914).
- Cornus alternifolia variegata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 377 (1900), pro syn.—Waracek in Gartenwelt, **19**: 58 (1915).
- Cornus alternifolia foliis albo marginatis* Hesse (1900) ex Hesse in Gartenfl. **52**: 48 (1903).
- Cornus alternifolia* f. *albo-marginata* Hesse et f. *albo-variegata* Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 365 (1903).
- C. alternifolia** f. *ochrocarpa* Rehder in Mitt. Deutsch. Dendr. Ges. **1907** (16): 75 (1907).
- C. controversa** Hemsley ex Prain in Bot. Mag. **135**: t. 8261, p. [3] (1909, June), nom. subnud.—Hemsley in Kew Bull. **1909**: 331 (1909, Oct.).—Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 49, fig. 14C-D (1910).—Stapf in Bot. Mag. **138**: t. 8464 (1912).—Nakai, Fl. Sylv. Kor. **16**: 81, t. 25-26 (1927).
- Cornus sanguinea* sensu Thunberg, Fl. Jap. 62 (1784), non Linnaeus (1753).
- Cornus obovata* Thunberg, Mus. Nat. Acad. Upsal. App. **17**: 3 (1809), nom.
- Cornus macrophylla* sensu Wallich, Num. List, no. 469 [1829], p. p.—C. B. Clarke in Hooker, Fl. Brit. Ind. **2**: 744 (1879), p. p.—Non Wallich (1820).
- Cornus brachypoda* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 160 (Prol. Fl. Jap. 92) (1865).—Koehne, Deutsche Dendr. 435 (1893).—Non C. A. Meyer (1845).
- Cornus ignorata* sensu Franchet & Savatier, Enum. Pl. Jap. **1**: 196 (1875), non K. Koch (1869).
- C. controversa** f. *variegata* (Nichols.), grad. nov.
- Cornus brachypoda variegata* Barbier, Nurs. Trade List, **1896-7**: 81 (1896), nom. subnud.
- Cornus macrophylla variegata* Nicholson, Ill. Dict. Gard. Suppl. 259 (1900).—Barbier ex Schelle in Beissner et al., Handb. Laubh.-Ben. 365 (1903) "(f.)"
- Cornus controversa* var. *variegata* Rehder in Bailey, Stand. Cycl. Hort. **2**: 852 (1914).
- C. alba** Linnaeus, Mant. Pl. 40 (1767).—Ledebour, Fl. Ross. **2**: 379 [1844].—Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 53 (1910), p. p.—Nakai, Fl. Sylv. Kor. **16**: 78, t. 24 (1927).
- Cornus tartarica* Miller, Gard. Dict. ed. 8, C. no. 7 (1768).—Koehne, Deutsche Dendr. 436 (1893) "*tatarica*."
- Cornus purpurea* Tausch in Flora, **21**: 731 (1838).
- Cornus sibirica* Rafinesque, Alsogr. Am. **60** (1838).—C. A. Meyer in Mém. Sci. Math. Phys. Nat. Acad. Sci. St. Pétersb. sér. 6, 2 (Nat. Sci.), **5** (Bot.): 206 (Ueber Ein. Cornus-Art. 16. 1845) (1849); in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **3**: 371 (1845); vix Loudon (1830).
- Cornus alba* subsp. *tatarica* Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 55 (1910).
- C. alba** f. *argenteo-marginata* [Rehd.] Schelle in Beissner et al., Handb. Laubh.-Ben. 366 (1903) "(f.)"
- Cornus alba* var. *argenteo-marginata* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 378 (1900).
- Cornus tatarica* v. *sibirica* f. *argenteo-marginata* Baenitz, Herb. Dendr. in sched. (specim. coll. 1907).
- Cornus alba* subsp. *stolonifera* var. *a. variegata* hort. ex Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 55 (1910).
- Cornus alba* var. *sibirica variegata* Bean, Trees Shrubs Brit. Isl. **1**: 384 (1914).

- Cornus alba* var. *elegantissima variegata* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 853 (1914), pro syn.
- Cornus tatarica* f. *argentei-marginata* Hesse in Mitt. Deutsch. Dendr. Ges. 1916(25): 226 [1917].
- C. alba** f. *Gouchaultii* (Carr.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 225 [1916].
- Cornus sibirica* *Gouchaultii* Carrière in Rev. Hort. 1888: 519 (1888).
- Cornus alba* var. *Gouchaultii* Rehder in Bailey, Stand. Cycl. Hort. 2: 853 (1914).
- C. alba** f. *Spaethii* [Spaeth] Schelle in Beissner et al., Handb. Laubh.-Ben. 366 (1903) "*Spaethii* Wittmack."
- Cornus alba* var. *Spaethii* Späth in Ill. Monatsh. Gartenb. 4: 20 (1885).—Dippel, Handb. Laubh. 3: 256 (1893) "*C. a. Spaethii* Wittmack."
- C. alba** var. *sibirica* Loddiges ex Loudon, Arb. Brit. 2: 1012 (1838).
- Cornus sibirica* Loddiges ex Loudon, Hort. Brit. 50 (1830), nom.
- Cornus tatarica* var. *sibirica* Koehne, Deutsche Dendr. 436 (1893).
- C. alba** var. *Kesselringii* (E. Wolf) Rehder in Bailey, Stand. Cycl. Hort. 2: 853 (1914); in Mitt. Deutsch. Dendr. Ges. 1915(24): 224 [1916].
- Cornus sibirica* var. *Kesselringii* E. Wolf in Izv. Leningr. Liesn. Inst. 15: 233 (1907).—Schneider, Ill. Handb. Laubh. 2: 1041 (1912).
- C. Hessei** Koehne in Gartenfl. 48: 340 (1899); in Mitt. Deutsch. Dendr. Ges. 1903(12): 38 (1903).
- C. stolonifera** Michaux, Fl. Bor.-Am. 1: 92 (1803).—Torrey & Gray, Fl. N. Am. 1: 650 (1840).—Britton & Brown, Ill. Fl. N. U. S. 2: 545, fig. 2716 (1897).—Rickett in N. Am. Fl. 28B: 304 (1945).
- Cornus sericea* Linnaeus, Mant. Pl. 2: 199 (1771), p. p.
- Cornus alba* sensu Wangenheim, Beschreib. Ein. Nordam. Holzart. 91 (1781).—Pursh, Fl. Am. Sept. 1: 109 (1814).—Koehne, Deutsche Dendr. 436 (1893); in Gartenfl. 45: 238 (1896).—Non Linnaeus (1767).
- Cornus sanguinea* Marshall, Arbust. Am. 36 (1785).—Non Linnaeus (1753).
- Cornus Purshii* G. Don, Hist. Dichlam. Pl. 3: 399 (1834).
- Cornus sericea* var. *occidentalis* Gray in Proc. Am. Acad. Arts Sci. 8: 387 (1873), p. p.
- Cornus pubescens* sensu Porter & Coulter, Syn. Fl. Colo. 53 (1874), non Nuttall [1849].
- ?*Cornus brachypoda* sensu Dippel, Handb. Laubh. 3: 254 (1893), non C. A. Meyer (1845).
- Cornus ignorata* Dippel, op. cit. 248 (1893), non K. Koch (1867).
- Cornus Nelsoni* Rose in Contrib. U. S. Nat. Herb. 8: 54 (1903).
- Cornus alba* subsp. *stolonifera* Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 53, fig. 14m-o (1910).
- Suida stolonifera* Rydberg in Bull. Torrey Bot. Club, 31: 573 (1904) "*S[uida]* *stolonifera* in obs. sub *Suida stolonifera riparia* var. nov.—(Michx.) Rydberg ex Heller, Cat. N. Am. Pl. ed. 3, 273 (1914).
- Cornus sericea* subsp. *stolonifera* f. *stolonifera* Fosberg in Bull. Torrey Bot. Club, 69: 587 (1942).
- C. stolonifera** f. *flaviramea* (Späth), grad. nov.
- Cornus alba* var. *flaviramea* Späth ex Koehne in Mitt. Deutsch. Dendr. Ges. 1903(12): 39 (1903).—Schelle in Beissner et al., Handb. Laubh.-Ben. 366 (1903) "(f.)"—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 55 (1910) "subsp. *stolonifera* var. *γ. fl.*"
- Cornus stolonifera* var. *flaviramea* Späth ex Rehder in Bailey, Cycl. Am. Hort. [1]: 377 (1900).
- C. stolonifera** f. *repens* Marie-Victorin in Contrib. Inst. Bot. Univ. Montréal, 56: 60(1945).
- C. stolonifera** var. *nitida* (Koehne) Schneider, Ill. Handb. Laubh. 2: 440 (1909).
- Cornus alba* var. *nitida* Koehne in Mitt. Deutsch. Dendr. Ges. 1903(12): 39 (1903).—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 55 (1910) "subsp. *stolonifera* var. *δ. n.*"
- C. stolonifera** var. *coloradensis* (Koehne) Schneider, Ill. Handb. Laubh. 2: 440 (1909).
- Cornus alba* var. *coloradensis* Koehne in Mitt. Deutsch. Dendr. Ges. 1903(12): 39 (1903).—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 55 (1910) "subsp. *stolonifera* var. *β. c.*"
- Suida stolonifera riparia* Rydberg in Bull. Torrey Bot. Club, 31: 573 (1904) "*Suida s. r.* var. nov."; Fl. Colorado, 249 (1906); in Brittonia, 1: 49 (1931) "comb. nov."—Non *C. riparia* Raf. (1838).
- Cornus stolonifera riparia* Visher in Perisho & Visher, Geogr. Geol. Biol. S. Dakota, 101 (1912).
- Cornus instoloneus* A. Nelson in Bot. Gaz. 53: 224 (1912).
- Ossea instolonea* Nieuwland & Lunell in Am. Midland Nat. 4: 487 (1916).
- Suida instolonea* Rydberg, Fl. Rocky Mts. 635, 1035 (1917).
- C. Baileyi** Coulter & Evans in Bot. Gaz. 15: 37 (1890); in Gard. & For. 3: 464, fig. 58 (1890).
- Cornus stolonifera* sensu L. H. Bailey in Bull. Geol. Nat. Hist. Surv. Minnesota 3: 14 (Arthur et al., Rep. Bot. Work Minn.) (1887).
- Cornus alba* subsp. *Baileyi* Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 55 (1910).
- Cornus stolonifera* var. *Baileyi* Drescher in Trans. Wisconsin Acad. Sci. 28: 190 (1933).—Rickett in Brittonia, 5: 159 (1944) "f."; N. Am. Fl. 28B: 304 (1945).
- Cornus sericea* subsp. *Baileyi* f. *Baileyi* Fosberg in Bull. Torrey Bot. Club, 69: 587 (1942).
- C. Torreyi** S. Watson in Proc. Am. Acad. Arts Sci. 11: 145 (1876).
- Cornus alba* sensu Hooker & Arnott, Bot. Beechey Voy. 142 (1834), non Linnaeus (1767).
- Cornus circinata* sensu Chamisso & Schlechtendal in Linnaea, 3: 139 (1828), non L'Héritier (1788).
- Cornus alba* var. *β.* Hooker, Fl. Bor.-Am. 1: 276 [1834].
- Cornus sericea* *β.* ? *occidentalis* Torrey & Gray, Fl. N. Am. 1: 652 (1840).—Fosberg in Bull. Torrey Bot. Club, 69: 589 (1942) "subsp. *o. f. o.*"
- Cornus pubescens* Nuttall mss. ex Torrey & Gray, l. c. (1840), pro syn.—Nuttall, Sylva N. Am. 3: 54 [1849].—Wangerin in Engler, Pflanzenreich, IV. 229(Heft 41): 56 (1910).—Non Willdenow ex Schultes in Roemer & Schultes, Syst. Veg. Mant. 3: 252 (1827).
- ?*Cornus californica* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 3: 373 (1845).—Rickett in N. Am. Fl. 28B: 305 (1945).
- Cornus Drummondii* J. G. Cooper in U. S. (War Dept.) Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 12,2: 30, 63 (1860), non C. A. Meyer (1845).
- Cornus Greenei* Coulter & Evans in Bot. Gaz. 15: 36 (1890).
- Cornus occidentalis* Coville in Contrib. U. S. Nat. Herb.



**Cornus Torreyi** (continued)

- 4: 117 (1893).—Rickett in Brittonia, 5: 159 (1944); in N. Am. Fl. 28B: 305 (1945).  
*Svida pubescens* Standley in Smithson. Inst. Misc. Coll. 56,33: 3 (1912).  
*Cornus californica* var. *pubescens* Macbride in Contrib. Gray Herb. n. ser. 56: 54 (1918).—Jepson, Fl. Calif. 2: 678 (1936).  
**C. rugosa** Lamarck, Encycl. Méth. Bot. 2: 115 (1786).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 61, fig. 16 (1910).—Rickett in N. Am. Fl. 28B: 306 (1945).  
*Cornus virginiana* Hort. ex Lamarck, l. c. (1786), pro syn.  
*Cornus circinata* L'Héritier, Cornus, 7, t. 3 (1788).—Torrey & Gray, Fl. N. Am. 1: 650 (1840).—Britton & Brown, Ill. Fl. N. U. S. 2: 544, fig. 2713 (1897).  
*Cornus tomentulosa* Michaux, Fl. Bor.-Am. 1: 91 (1803).  
*Cornus verrucosa* Hort. ex Dippel, Handb. Laubh. 3: 250 (1893), pro syn.  
*Svida circinata* Small, Fl. Lancaster Co. 206 (1913).  
*Svida rugosa* Rydberg, Fl. Prair. & Plains Centr. N. Am. 605 (1932).  
**C. Slavini** (*C. rugosa* × *stolonifera*) Rehder in Bailey, Stand. Cycl. Hort. 2: 855 (1914).  
**C. Amomum** Miller, Gard. Dict. ed. 8, C. no. 5 (1768).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 69 (1910).—Rickett in N. Am. Fl. 28B: 305 (1945).  
*Cornus sericea* Linnaeus, Mant. Pl. 2: 199 (1771).—Torrey & Gray, Fl. N. Am. 1: 651 (1840).—Coulter & Evans in Bot. Gaz. 15: 34 (1890).  
*Cornus cyanocarpus* Moench, Verz. Ausl. Bäume Weissenst. 27 (1785); Meth. Pl. 108 (1794).  
*Cornus coerulea* Lamarck, Encycl. Méth. Bot. 2: 116 (1786).—Meerburgh, Pl. Select. Icon. p. [2], t. 3 (1798).  
*Cornus ferruginea* Hort. ex Lamarck, l. c. (1786), pro syn.  
*Cornus alba*? sensu Walter, Fl. Carol. 88 (1788), non Linnaeus (1767).  
*Cornus rubiginosa* Ehrhart, Beitr. Naturk. 4: 15 (1789).  
*Cornus lanuginosa* Michaux, Fl. Bor.-Am. 1: 92 (1803).  
*Cornus sericea* β. *oblongifolia* De Candolle, Prodr. 4: 272 (1830).  
*Cornus oblongifolia* Rafinesque ex De Candolle, l. c. (1830), pro syn.  
*Cornus minor* Hort. ex Steudel, Nomencl. Bot. ed. 2, 1: 421 (1840), pro syn.  
*Cornus ignorata* K. Koch in Ind. Sem. Hort. Berol. 1867, App. 1: 8 (1867); Dendrol. 1: 684 (1869).—Koehne in Gartenfl. 45: 238 (1896), pro syn.  
*Svida Amomum* (Mill.) Small, Fl. Southeast. U. S. 854, 1336 (1903).  
**C. obliqua** Rafinesque in West. Rev. 1: 229 (1819); Annals Nature, 13 (1820).—Rehder in Rhodora, 12: 122 (1910), in nota. —Buhl in Rhodora, 37: 223 (1935).  
? *Cornus polygamus* Rafinesque, Fl. Ludovic. 78 (1817).—De Candolle, Prodr. 4: 274 (1830) "sp. dub."  
*Cornus sericea* γ? *Schützeana* C. A. Meyer in Mém. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 5 (Bot.): 213 (1844); in Ann. Sci. Nat. Bot. sér. 3, 4: 67 (1845).  
*Cornus sericea* sensu André in Rev. Hort. 1880: 444, t. (1888) "*stolonifera*" in tab.; non Linnaeus (1771).  
*Cornus Purpusii* Koehne in Gartenfl. 48: 338 (1899).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 70 (1910).—Rickett in N. Am. Fl. 28B: 306 (1945).

*Cornus cyanocarpus* var. *albescens* Farwell in Rhodora, 33: 70 (1931).

*Cornus Amomum* var. *Schuetzeana* Rickett in Rhodora, 36: 274 (1934).

**C. arnoldiana** [*C. obliqua* × *racemosa*] Rehder in Sargent, Trees & Shrubs, 1: 79, t. 40 (1903) "*C. candidissima* × *Purpusii*."

**C. Drummondii** C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb., sér. 6 (Sci. Nat.), 5 (Bot.): 210 (Ueber Ein. Cornus-Art. 20. 1845) (1849); in Ann. Sci. Nat. Bot. sér. 3, 4: 64 (1845).—Rickett in Am. Midland Nat. 27: 261, map (1942); in N. Am. Fl. 28B: 302 (1945).

*Cornus alba* sensu Hooker in Comp. Bot. Mag. 1: 48 (Drummond no. 138) (1835), nom.; non Linnaeus (1767).

*Cornus asperifolia* β. Torrey & Gray, Fl. N. Am. 1: 651 (1840), p. p.—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 59 (1910), p. p.—Rehder, Man. Cult. Trees Shrubs, ed. 2, 685 (1940).—Non Michaux (1803).

*Cornus candidissima* sensu Bishop in Delect. Sem. Hort. Heidelberg. 1851: 6 (1851); in Linnaea, 25: 316 (1852); non Miller (1768), nec Marshall (1785).

*Cornus stricta* β. *asperifolia* Feay ex Wood, Class-book Bot. Fl. U. S. ed. 1861, 392 (1861), exclud. basonym.

*Cornus stricta* sensu E. Hall, Pl. Tex. 11 (1873), nom.; non Lamarck (1786).

*Cornus asperifolia* var. *Drummondii* Coulter & Evans in Bot. Gaz. 15: 36 (1890).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 60 (1910).

*Svida asperifolia* sensu Small, Fl. Southeast. U. S. 854, 1336 (1903), non *Cornus a.* Michaux (1803).

**C. asperifolia** Michaux, Fl. Bor.-Am. 93 (1803).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 59 (1910), p. p.

*Cornus sericea* γ. *asperifolia* De Candolle, Prodr. 4: 272 (1830).

*Cornus microcarpa* Nash in Bull. Torrey Bot. Club, 23: 103 (1896).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 60 (1910).

*Svida microcarpa* (Nash) Small, Fl. Southeast. U. S. 853, 1336 (1903).

**C. glabrata** Benthham, Bot. Voy. Sulphur, 18 (1844).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 62 (1910).

**C. foemina** Miller, Gard. Dict. ed. 8, C. no. 4 (1768).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 57 (1910) "*femina*," exclud. fig. et syn. nonnull.

*Cornus angustifolia* Weston, Bot. Univ. 1: 73 (1770).

*Cornus stricta* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 9 [1782?], nom.—Ludwig, Neu. Wilde Baumz. 13 (1783), nom.—Lamarck, Encycl. Méth. Bot. 2: 116 (1786).—L'Héritier, Cornus 8, t. 4 (1788).—Torrey & Gray, Fl. N. Am. 1: 651 (1840).—Boynton in Addisonia, 8: 13, t. 263 (1923).—Rickett in N. Am. Fl. 28B: 301 (1945).

*Cornus Canadensis* Hort. Reg. ex Lamarck, l. c. (1786), pro syn.; non Linnaeus (1753).

*Cornus sanguinea*? sensu Walter, Fl. Carol. 88 (1788), non Linnaeus (1753).

*Cornus cyanocarpos* J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 257 (1791); non Moench (1785).

*Cornus coerulea* Meerburgh, Pl. Select. Icon. p. [2], t. 3 (1798).

- ?*Cornus fastigiata* Michaux, Fl. Bor.-Am. 1: 92 (1803).  
*Svida stricta* (Lam.) Small, Fl. Southeast. U. S. 853, 1335 (1903).  
*Svida foemina* Rydberg in Brittonia, 1: 94 (1931), quoad basonym.
- C. racemosa** Lamarck, Encycl. Méth. Bot. 2: 116 (1786). — Rickett in N. Am. Fl. 28B: 31 (1945).  
*Cornus candidissima* Marshall, Arbust. Am. 35 (1785). — Schneider, Ill. Handb. Laubh. 2: 441, fig. 296a-d, 297a-d (1909). — Non Miller (1768).  
*Cornus citrifolia* Hort. ex Lamarck, l. c. (1786), pro syn.; non Weston (1770).  
*Cornus paniculata* L'Héritier, Cornus, 9, t. 5 (1788). — Torrey & Gray, Fl. N. Am. 1: 650 (1840).  
*Cornus albida* Ehrhart, Beitr. Naturk. 4: 16 (1789).  
*Cornus paniculata*  $\beta$ . *albida* et  $\gamma$ . *radiata* Pursh, Fl. Am. Sept. 1: 109 (1814).  
*Cornus comosa* Rafinesque, Alsogr. Am. 63 (1838).  
*Cornus oblongata* Hort. ex Dippel, Handb. Laubh. 3: 254 (1893), pro syn.  
*Cornus gracilis* Koehne in Mitt. Deutsch. Dendr. Ges. 1903(12): 36 (1903). — Schneider in Gartenschönh. 3: 270, fig. (1922).  
*Svida candidissima* (Marsh.) Small, Fl. Southeast. U. S. 853, 1335 (1903).  
*Cornus femina* sensu Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41); 57, fig. 15 (1910), p. p. et. quoad fig.; non Miller (1768).  
*Svida foemina* Rydberg in Brittonia, 1: 94 (1931).  
*Svida racemosa* Moldenke in Boissiera, 7: 3 (1943).
- C. macrophylla** Wallich in Roxburgh, Fl. Ind. 1: 433 (1820). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41); 71 (1910). — Rehder in Sargent, Pl. Wilson. 2: 575 (1916); in Jour. Arnold Arb. 15: 116 (1934).  
*Cornus alba* sensu Thunberg, Fl. Jap. 62 (1784), non Linnaeus (1767).  
*Cornus sanguinea* Thunberg, op. cit. 63 (1784), non Linnaeus (1753).  
*Cornus brachypoda* C. A. Meyer in Mém. Sci. Nat. Acad. Sci. St. Pétersb. ser. 6, 2 (Sci. Nat.), 5 (Bot.): 223 (Ueber Ein. Cornus-Art. 33. 1845) (1849); in Ann. Sci. Nat. Bot. sér. 3, 4: 74 (1845). — Wangerin in Engler Pflanzenreich, IV. 229 (Heft 41); 64 (1910). — Nakai, Fl. Sylv. Kor. 16: 85, t. 29 (1927).  
*Cornus Thelycanis* Lebas in Rev. Hort. 1875: 394, fig. 64 (1875).  
*Cornus crispula* Hance in Jour. Bot. 10: 216 (1881).  
*Cornus Religiana* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 1: 81 (1903), pro syn.  
*Cornus Theleriana* Hort. ex Nicholson, l. c. (1894), pro syn.  
*Cornus corynostylis* Koehne in Gartenfl. 45: 286, fig. 51, 1, 6 (1896).  
*Cornus Theleryana* Hort. ex Koehne, l. c. (1896), pro syn.  
*Cornus ignorata* sensu Shirasawa, Icon. Ess. For. Jap. 1: 121, t. 77 (1900), non K. Koch (1869).  
*Cornus glauca* Blume ex Rehder in Sargent, Trees & Shrubs, 1: 81 (1903), pro syn.  
*Cornus Thelycrania* Hort. ex Rehder, l. c. (1903), pro syn.
- C. Horseyi** (*C. Amomum*  $\times$  *macrophylla*) Rehder in Jour. Arnold Arb. 3: 46 (1922).
- C. Dunbarii** (*C. asperifolia*  $\times$  *macrophylla*) Rehder in op. cit. 45 (1922).
- C. Bretschneideri** L. Henry in Jardin, 13: 309, fig. 154 (1899). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 67 (1910).  
*Cornus aspera* Wangerin in Repert. Sp. Nov. Reg. Veg. 6: 97 (1908).
- C. Hemsleyi** Schneider & Wangerin in Repert. Sp. Nov. Reg. Veg. 7: 229 (1909). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 67 (1910).
- C. poliophylla** Schneider & Wangerin in op. cit. 228 (1909). — Wangerin in op. cit. 68 (1910).
- C. Monbeigii** Hemsley in Kew Bull. 1909: 333 (1909), sphalm. "*Mombeigii*." — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 68 (1910). — Rehder in Jour. Arnold Arb. 15: 116 (1934).  
*Cornus rosea* Léveillé in Bull. Acad. Intern. Géog. Bot. 24: 288 (1914).
- C. paucinervis** Hance in Jour. Bot. 19: 217 (1881). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 72, fig. 18A-E (1910). — Rehder in Sargent, Pl. Wilson. 2: 576 (1916).  
*Cornus quinquenervis* Franchet in Jour. de Bot. 10: 307 (1896).
- C. dubia** (*C. Amomum*  $\times$  *paucinervis*) Rehder in Jour. Arnold Arb. 5: 239 (1924).
- C. pumila** Koehne in Mitt. Deutsch. Dendr. Ges. 1903 (12): 47 (1903). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 70 (1910).  
*Cornus mas* a. *nana* Dippel, Handb. Laubh. 3: 245 (1893), non Carrière (1879).
- C. Walteri** Wangerin in Repert. Sp. Nov. Reg. Veg. 6: 99 (1908); in Engler, Pflanzenreich, IV. 229 (Heft 41): 70 (1910).  
*Cornus Wilsoniana* sensu Schneider in Silva Tarouca, Uns. Freil.-Laubgeh. 189, fig. 202 (1913), p. p. quoad fig.; non Wangerin (1908).
- C. coreana** Wangerin in Repert. Sp. Nov. Reg. Veg. 6: 99 (1908); in Engler, Pflanzenreich, IV. 229 (Heft 41): 76 (1910). — Nakai, Fl. Sylv. Kor. 16: 84, t. 27, 28 (1927).
- C. sanguinea** Linnaeus, Sp. Pl. 171 (1753). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 73 (1910).  
*Cornus latifolia* Bray in Denkschr. Bayer. Bot. Ges. Regensb. 1, 2: 35 (1818). — Fries in Bot. Notis. 1857: 48 (1857), pro syn.  
*Cornus citrifolia* Wahlenberg in Isis Encycl. Zeit. 21: 981 (1828).  
*Cornus sylvestris* Bubani, Fl. Pyrén. 2: 337 (1900).
- C. sanguinea** f. *variegata* [West.] Schelle in Beissner et al., Handb. Laubh.-Ben. 367 (1903).  
*Cornus sanguinea* 2. *variegata* Weston, Bot. Univ. 1: 73 (1770). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 74 (1910) "var."
- C. sanguinea** f. *atrosanguinea* (Gibbs), grad. nov.  
*Cornus sanguinea atrosanguinea* [Vicary Gibbs], Aldenham House Gardens Surplus Pl. 5 (1916). — Rehder, Man. Cult. Trees Shrubs, 672 (1927).
- C. sanguinea** f. *viridissima* (Dieck) Schelle in Beissner et al., Handb. Laubh.-Ben. 367 (1903) "(f.)"  
*Cornus sanguinea viridissima* Dieck, Haupt-Kat. Zöschen, 31 (1885). — Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 74 (1910) "var."

**Cornus** (*continued*)

- C. australis** C. A. Meyer in Mém. Math. Phys. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), 5 (Bot.): 211 (Ueber Ein. Cornus-Art. 21. 1845) (1849); in Ann. Sci. Nat. Bot. sér. 3, 4: 65 (1845).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 74, fig. 18f (1910).  
*Cornus sanguinea* sensu Güldenstädt, Reis. Russland, 1: 189, 284, 421, 425, 428 (1787); 2: 27 (1791).—C. B. Clarke in Hooker f., Fl. Brit. Ind. 2: 744 (1879).—Non Linnaeus (1753).  
*Cornus sanguinea* var. *australis* Koehne, Deutsche Dendr. 437 (1893).
- C. australis** var. *Koenigii* (Schneid.) Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 75 (1910).  
*Cornus Koenigii* Schneider in Repert. Sp. Nov. Reg. Veg. 7: 229 (1909); Ill. Handb. Laubh. 2: 449, fig. 299d-e (1909).
- Sect. II. MACROCARPIUM Spach, Hist. Nat. Vég. Phan. 8: 101 (1839).—Koehne, Deutsche Dendr. 435 (1893).—Schneider, Ill. Handb. Laubh. 2: 450 (1900) "subgen."—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 78 (1910) "subgen."
- Cornus* sect. *Involucratae* De Candolle, Prodr. 4: 273 (1830).  
*Cornus* subgen. *Eukrania* Rafinesque, Alsogr. Am. 59, 76 (1838), p. p.; p. 59 sphalm. pro nom. gener.  
*Cornus* b. *Tanycrania* Endlicher, Gen. Pl. 798 [1839], p. p.  
*Cornus* sect. *Chrysocrania* Hance in Jour. Linn. Soc. Lond. Bot. 13: 105 (1873), nom. tentat.  
*Eukrania Rafinesque* ex B. D. Jackson, Index Kew. 1: 912 [1894], p. p.  
*Macrocarpium* Nakai in Bot. Mag. Tokyo, 23: 38 (1909); Fl. Sylv. Kor. 16: 72 (1927).
- C. mas** Linnaeus, Sp. Pl. 117 (1753).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 78 (1910).  
*Cornus mascula* Zorn, Icon. Pl. Med. 2: 81, t. 129 (1780).—Ledebour, Fl. Ross. 2: 378 (1844).  
*Cornus vernalis* Salisbury, Prodr. Stirp. Chap. Allert. 66 (1796).  
*Cornus sativa* Poiteau & Turpin in Du Hamel, Traité Arb. Fruit., nouv. éd., 3: *Cornus* no. 1; p. 76, t. 76, fasc. 13 [1808].  
*Cornus praecox* Stokes, Bot. Mat. Med. 1: 222 (1812).  
*Cornus nudiflora* Dumortier, Florula Belg. 83 (1827).  
*Cornus erythrocarpa* St.-Lager in Bull. Soc. Bot. France, 31: 201 (1883); in Cariot, Étud. Fl., ed. 8, 2: 381 (1889), nom. altern.  
*Cornus homerica* Bubani, Fl. Pyren. 2: 337 (1900).
- C. mas** f. *aurea* Schneider, Ill. Handb. Laubh. 2: 451 (1909).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 79 (1910).  
*Cornus mas* (f.) *aurea* Schelle in Beissner et al., Handb. Laubh.-Ben. 368 (1903), nom.
- C. mas** f. *elegantissima* [T. Moore] Nicholson, Ill. Dict. Gard. 1: 379 [1884].  
*Cornus mascula aurea elegantissima* T. Moore in Florist Pomol. 1877: 109, t. (1877).  
*Cornus mas aurea elegantissima* Carrière in Rev. Hort. 1878: 420 (1878).  
*Cornus mas* f. *aureo-elegantissima* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 368 (1903), nom.—Schneider, Ill. Handb. Laubh. 2: 451 (1909).
- C. mas** f. *variegata* [Loud.] Nicholson, Ill. Dict. Gard. 1: 379 [1884].  
*Cornus mas* var. *variegatus* Loudon, Arb. Brit. 2: 1015 (1838).—Bellair in Rev. Hort. n. sér., 6: 420, fig. 169 (1906) "*C. m. variegata*."  
*Cornus mas* f. *argenteo-marginata* Schelle in Beissner et al., Handb. Laubh.-Ben. 368 (1903), nom.—Schneider, Ill. Handb. Laubh. 2: 451 (1909).
- C. mas** f. *macrocarpa* (Dipp.) Schelle, l. c. (1903).—Schneider, l. c. (1909).  
*Cornus mas* e. *macrocarpa* Dippel, Handb. Laubh. 3: 245 (1893).
- C. mas** var. *sphaerocarpa* Cretziou in Repert. Sp. Nov. Reg. Veg. 36: 384 (1934).
- C. mas** f. *flava* (West.), grad. nov.  
*Cornus mas* 3. *flava* Weston, Bot. Univ. 1: 73 (1770).  
*Cornus mascula* β. *flava* Desfontaines ex Steudel, Nomencl. Bot. 227 (1821), nom.  
*Cornus flava* Steudel, l. c. (1821), pro syn.  
*Cornus mas* f. *luteocarpa* Schneider ex Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 79 (1910).  
*Cornus mas* var. *xanthocarpa* Bean, Trees Shrubs Brit. Isl. 1: 391 (1914).
- C. mas** f. *alba* (West.), grad. nov.  
*Cornus mas* 4. *alba* Weston, Bot. Univ. 1: 73 (1770).  
*Cornus mas* f. *albocarpa* Schneider, Ill. Handb. Laubh. 2: 451 (1909).—Bean, Trees Shrubs Brit. Isl. 1: 391 (1914) "var."
- C. mas** f. *nana* [Carr.] Schneider, Ill. Handb. Laubh. 2: 451 (1909).  
*Cornus mas nana* Carrière in Rev. Hort. 1879: 300 (1879).—Simon-Louis ex Schneider, l. c. (1909), pro syn.
- C. officinalis** Siebold & Zuccarini, Fl. Jap. 1: 100, t. 50 [1839].—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 80 (1910).  
*Cornus mascula* var. *japonica* Siebold herb. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: (Prol. Fl. Jap. 92. 1866) (1865), pro syn.  
*Macrocarpium officinale* Nakai in Bot. Mag. Tokyo, 23: 38 (1909); Fl. Sylv. Kor. 16: 74, t. 23 (1927).
- C. sessilis** Torrey ex Durand in Jour. Acad. Nat. Sci. Philad., ser. 2, 3: 89 (Pl. Pratten. Calif.) (1855).—Torrey in U. S. (War Dept.) Expl. Surv. Railr. Mississippi Pacif. Oc. 4: 94, t. 8 (1856).—Wangerin in Engler, Pflanzenreich, IV. 229 (Heft 41): 81 (1910).  
*Macrocarpium sessile* Nakai in Bot. Mag. Tokyo, 23: 38 (1909).  
*Svida sessilis* A. Heller, Cat. N. Am. Pl., ed. 3, 273 (1914), nom. subnud.
- Sect. III. CYNOKYLON Rafinesque, Med. Fl. 1: 132 (1828); Man. Med. Bot. 132 (1841).  
*Cornus* subgen. *Cynoxylon* Rafinesque, Alsogr. Am. 59, 76 (1838), p. 59 sphalm. pro nom. gener.  
*Benthamidia* Spach, Hist. Nat. Vég. Phan. 8: 106 (1839).  
*Cornus* b. *Tanycrania* Endlicher, Gen. Pl. 798 [1839], p. p.  
*Cornus* sect. *Benthamidia* K. Koch, Dendr. 1: 695 (1869).—Schneider, Ill. Handb. Laubh. 2: 453 (1909) "subgen."—Wangerin in Engler, Pflanzenreich IV. 229 (Heft 41): 86 (1910).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 683 (1940).  
*Cornus* sect. *Benthamia* Koehne, Deutsche Dendr. 438 (1893), p. p. quoad sp. 17 et 18.  
*Cynoxylon Rafinesque* ex B. D. Jackson in Index Kew. 1: 689 [1894], pro syn.—Small, Fl. Southeast. U. S.

- 854 (1903). — Hutchinson in Ann. Bot. n. ser., **6**: 91 (1942).  
*Benthamia* subgen. *Apocarpa* sect. *Benthamidia* Nakai in Bot. Mag. Tokyo, **23**: 41 (1909).
- C. florida** Linnaeus, Sp. Pl. 117 (1753). — Sargent, Silva N. Am. **5**: 66, t. 212 (1893). — Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 86 (1910).  
*Cornus candidissima* Miller, Gard. Dict. ed. 8, C. no. 6 (1768). — Koehne in Mitt. Deutsch. Dendr. Ges. **1903** (12): 36 (1903), in textu sub *C. paniculata*, pro syn.  
*Cornus Floridanus* W. Young, Cat. Arb. Arbust. Am. **6** (1783), nom.; ?sphalm. pro "*florida*."  
*Benthamidia florida* Spach, Hist. Nat. Vég. Phan. **8**: 107 (1839). — Nakai in Bot. Mag. Tokyo, **23**: 41 (1909).  
*Cynoxylon floridum* Rafinesque ex B. D. Jackson in Index Kew. **1**: 689 [1894] "*florida*"; pro syn. — Small, Fl. Southeast. U. S. **854** (1903). — Hutchinson in Ann. Bot. n. ser., **6**: 92 (1942).  
*Benthamia florida* Nakai in Bot. Mag. Tokyo, **23**: 41 (1909).
- C. florida f. pendula** [Dipp.] Schelle in Beissner et al., Handb. Laubh.-Ben. **368** (1903).  
*Cornus florida* [var.] [Meehan] in Gard. Monthly (Meehan), **23**: 229, fig. (1881) "Weeping Dogwood."  
*Cornus florida pendula* Dippel, Handb. Laubh. **3**: 244 (1893). — Schneider, Ill. Handb. Laubh. **2**: 454 (1909) "var."  
*Cynoxylum floridum* var. *pendulum* (Dipp.) Moldenke in Bull. Torrey Bot. Club, **60**: 56 (1933).  
*Benthamidia florida* var. *pendula* (Dipp.) Moldenke in Torreya, **34**: 8 (1934).
- C. florida f. rubra** [West.] Schelle in Mitt. Deutsch. Dendr. Ges. **1915**(24): 181 [1916]. — Palmer & Steyermark in Ann. Missouri Bot. Gard. **22**: 612 (1935); in Rhodora, **40**: 133 (1938).  
*Cornus florida* 2. *rubra* Weston, Bot. Univ. **1**: 73 (1770). — André in Rev. Hort. **1894**: 500, t. (1894) "*C. fl. r.*"  
*Cornus florida rosea* Carrière & André in Rev. Hort. **1891**: 369 (1891).  
*Cynoxylum floridum* var. *rubrum* (André) Moldenke in Bull. Torrey Bot. Club, **60**: 56 (1933).  
*Benthamidia florida* var. *rubra* (André) Moldenke in Torreya, **34**: 8 (1934).
- C. florida f. pluribracteata** Rehder in Jour. Arnold Arb. **7**: 243 (1926).
- C. florida f. xanthocarpa** Rehder in op. cit. **2**: 179 (1921); Man. Cult. Trees Shrubs, 673 (1927) "var."
- C. Nuttallii** Audubon, Birds Am. **4**: t. 467 (1837); quarto ed. **4**: 315, t. 279 (1842). — Sargent, Silva N. Am. **5**: 69, t. 214, 215 (1893). — Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 8 (1910).  
*Cornus florida* sensu Hooker, Fl. Bor.-Am. **1**: 277 [1834], p. p.; non Linnaeus (1753).  
*Cynoxylon Nuttallii* (Audub.) Shafer in Britton, N. Am. Trees, 746, fig. 684 (1908).  
*Benthamia Nuttallii* Nakai in Bot. Mag. Tokyo, **23**: 41 (1909).  
*Benthamidia Nuttallii* (Audub.) Moldenke in Phytologia, **1**: 167 (1935).
- Sect. iv. **BENTHAMIA** (Lindl.) Benth. & Hooker f., Gen. Pl. **1**: 950 (1867). — Koehne, Deutsche Dendr. **438** (1893), exclud. spec. 17 et 18.  
*Benthamia* Lindley in Bot. Reg. **19**: t. 1579 (1833), non A. Richard (1828).
- Cornus* sect. *Cephalocrania* Hance in Jour. Linn. Soc. Lond. Bot. **13**: 105 (1873), nom. tentat.  
*Benthamia* subgen. *Syncarpa* sect. *Eubenthamia* Nakai in Bot. Mag. Tokyo, **23**: 41 (1909).  
*Cornus* subgen. *Benthamia* Schneider, Ill. Handb. Laubh. **2**: 454 (1909). — Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 88 (1910).  
*Cynoxylon* sect. *Benthamia* subsect. *Japonicae* Nakai, Fl. Sylv. Kor. **16**: 69 (1927).  
*Dendrobenthamia* Hutchinson in Ann. Bot. n. ser., **6**: 92 (1942).
- C. Kousa** (Buerger ex Miquel) Hance in Jour. Linn. Soc. Lond. Bot. **13**: 105 (1873). — Franchet & Savatier, Enum. Pl. Jap. **1**: 196 (1875). — Wangerin in Engler, Pflanzenreich, IV. **229** (Heft 41): 88 (1910), exclud. pl. chin.  
*Cornus japonica* sensu G. Don, Gen. Hist. Dichlam. Pl. **3**: 400 (1834). — Koehne, Deutsche Dendr. **438** (1893). — Non Thunberg (1784).  
*Benthamia japonica* Siebold & Zuccarini, Fl. Jap. **1**: 38, t. 16 [1836].  
*Cornus kousa* herb. Buerger ex Miquel in Ann. Bot. Mus. Lugd.-Bat. **2**: 159 (Prol. Fl. Jap. 91. 1866) (1865), pro syn.  
*Benthamia Kousa* Nakai in Bot. Mag. Tokyo, **23**: 41 (1909).  
*Benthamia japonica a. typica* Nakai in op. cit. **28**: 314 (1914).  
*Cynoxylon japonica* Nakai, Fl. Sylv. Kor. **16**: 69 (1927).  
*Cynoxylon japonica* var. *typica* Nakai, op. cit. **70**, t. 19, 20 (1927).  
*Dendrobenthamia japonica* (Sieb. & Zucc.) Hutchinson in Ann. Bot. **29**: 93 (1942).
- C. Kousa** var. *chinensis* A. O[sborn] in Gard. Chron. ser. 3, **72**: 310 (1922). — Bean in Kew Bull. **1926**: 321, t. 8 (1926). — Non *Benthamia japonica* var. *sinensis* Benth. (1852) [= *C. hongkongensis* Hemsl.].  
*Cornus Kousa* Bean in Bot. Mag. **166**: t. 8833 (1920), p. p. quoad pl. depict.

Subclassis **II. GAMOPETALAE**

- GAMOPETALAE** Brongniart, Enum. Genr. Pl. xvi, 30 (1843).  
*Sympetalae* A. Braun in Ascherson, Fl. Prov. Brandenb. **1**: 36 (1864).  
*Metachlamydeae* Engler, Syllab. Pflanzenfam. ed. 2, 165 (1892).

Fam. **CLETHRACEAE**

- CLETHRACEAE** Klotzsch in Linnaea, **24**: 12 (1851). — Drude in Nat. Pflanzenfam. IV. **1**: 1 [1889].  
*Rhodoideae* Batsch, Tab. Affin. Reg. Veg. **215** (1802), p. p.  
*Ericaceae* Horaninov, Prim. Lin. Syst. Nat. **72** (1834), p. p. quoad *Clethra*.  
*Ericaceae* 1. *Ericariae* c. *Pyroleae* Reichenbach, Handb. Nat. Pflanzenfam. **206** (1837), p. p. quoad *Clethra*.  
*Ericaceae* trib. *Andromedeae* Endlicher, Gen. Pl. **754** [1839], p. p.  
*Rhodoreae* A. *Ericariae* 2. *Rhodoreae* Horaninov, Char. Ess. Fam. Reg. Veg. **110** (1847), p. p. quoad *Clethra*.  
*Ericaceae* trib. *Clethreae* K. Koch, Hort. Dendr. **341** (1853).  
*Ericaceae* subord. *Pyrolineae* trib. *Clethreae* Gray, Syn. Fl. N. Am. **2**, **1**: 17 (1878). — Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 626 (1908).

- CLETHRA** Linnaeus, Sp. Pl. 396 (1753); Gen. Pl. ed. 5, 188, no. 489 (1754).—Bentham & Hooker f., Gen. Pl. 2: 603 (1876).  
*Volkameria* P. Browne, Civ. Nat. Hist. Jamaica, 214, t. 20, fig. 1 (1756).  
*Tinus* Linnaeus, Syst. ed. 10, 1010 (1759), non Miller (1754).  
*Junia* Adanson, Fam. Pl. 165 (1763).  
*Gillena* Adanson, op. cit. 166 (1763).  
*Cuellaria* Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 49, t. 10 (1797).  
*Crossophrys* Klotzsch in Linnaea, 24: 3 (1851).  
*Kowalewska* Turczaninov in Bull. Soc. Nat. Moscou, 32, 1: 263 (1859).
- C. alnifolia** Linnaeus, Sp. Pl. 566 (1753).—Britton & Brown, Ill. Fl. N. U. S. 2: 548, fig. 2724 (1897).—Rydberg in N. Am. Fl. 29: 4 (1914).  
*Clethra paniculata* Aiton, Hort. Kew. 2: 73 (1789).  
*Clethra alnifolia* a. *denudata* Aiton, l. c. (1789).  
*Clethra alnifolia* a. *glabella* Michaux, Fl. Bor.-Am. 260 (1803).  
*Clethra Michauxii* R. Courtois, Mag. d'Hortic. 1: 249 (1833).  
*Clethra angustifolia* Rafinesque, Autik. Bot. 6 (1840).  
*Clethra alnifolia* var. *Michauxii* [Nicholson] in Kew Hand-List Trees Shrubs, 2: 67 (1896).—Zabel in Beissner et al., Handb. Laubh.-Ben. 372 (1903) "f."  
*Clethra alnifolia* var. *paniculata* [Nicholson] l. c. (1896).—Zabel, l. c. (1903) "f."  
*Clethra alnifolia* var. *scabra* [Nicholson] l. c. (1896).—Zabel, l. c. (1903) "f."
- C. alnifolia** f. *rosea* Rehder in Mitt. Deutsch. Dendr. Ges. 1907(16): 75 [1908]; in Bailey, Stand. Cycl. Hort. 2: 802 (1914) "var."
- C. tomentosa** Lamarck, Encycl. Méth. Bot. 2: 46 (1786).  
*Clethra alnifolia* β. *pubescens* Aiton, Hort. Kew. 2: 73 (1789).  
*Clethra alnifolia* β. *tomentosa* Michaux, Fl. Bor.-Am. 1: 260 (1803).  
*Clethra incana* Persoon, Syn. Pl. 1: 483 (1805).  
*Clethra pubescens* Willdenow, Enum. Hort. Berol. 455 (1809).
- C. acuminata** Michaux, Fl. Bor.-Am. 1: 260 (1803).—Britton & Brown, Ill. Fl. N. U. S. 2: 549, fig. 2725 (1897).  
*Clethra acuminata* (*glauca*) Persoon, Syn. Pl. 1: 483 (1805).  
*Clethra montana* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 130 [1812].—Bartram ex Steudel, Nomencl. Bot. 1: 207 (1821), pro syn.  
*Clethra glauca* Persoon ex Steudel, l. c. (1821), pro syn.
- C. barbinervis** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 43: 128 (1846).—Schneider, Ill. Handb. Laubh. 2: 464 fig. 308h-l, 309c-d (1909).  
*Clethra canescens* sensu Sargent in Gard. & For. 6: 254 (1893), non Reinwardt ex Blume (1826).
- C. Fargesii** Franchet in Jour. de Bot. 9: 369 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 502 (1913).  
*Clethra canescens* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 33 (1889), non Reinwardt ex Blume (1826).
- C. monostachya** Rehder & Wilson in Sargent, Pl. Wilson. 1: 501 (1913).
- C. Delavayi** Franchet in Jour. de Bot. 9: 370 (1895).—Stapf in Bot. Mag. 148: t. 8970 (1922).

## Fam. PYROLACEAE

- PYROLACEAE** Dumortier, Anal. Fam. Pl. 43, 47 (1829).  
 —Lindley, Introd. Nat. Syst. Bot. 184 (1830).—Drude in Nat. Pflanzenfam. IV. 1: 3 [1889] "*Pyrolaceae*."  
*Monotropeae* Nuttall, Gen. Am. Pl. 1: 272 (1818).  
*Pyroleae* Lindley, Coll. Bot. t. 5 (1821), nom. altern. event.; Syn. Brit. Fl. 175 (1829).  
*Ericaceae* Horaninov, Prim. Lin. Syst. Nat. 72 (1834), p. p. quoad *Pyrola*.  
*Ericaceae* trib. *Pyroleae* D. Don in Edinb. New Philos. Jour. 17: 152 (1834).—Gray, Bot. Text-book, 304 (1842) "subord."  
*Ericaceae* subfam. *Pyrolaceae* Presl, Wšeb. Rostlin. 1: 994 (1846).  
*Pyrolaceae* c. *Pyroleae* Horaninov, Char. Ess. Fam. Reg. Veg. (1847), exclud. *Galax* et *Cladothamnus*.  
*Monotropaceae* Lindley, Veg. Kingd. ed. 2, 452 (1847).  
*Hypopityaceae* Eichler, Blüthendiagr. 1: 343 (1875).  
*Ericaceae* subord. *Pyrolineae* trib. *Pyroleae* Gray, Syn. Fl. N. Am. 2, 1: 17 (1878).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 626 (1909) "subfam. *Pyroloideae* trib. *P.*"  
*Pyrolaceae* i. *Pyroloideae* Drude in Nat. Pflanzenfam. IV. 1: 7 [1889].
- CHIMAPHILA** Pursh, Fl. Am. Sept. 1: 279 (1814).—Radius, *Pyrola* & *Chimophila* (diss.), 7 (1821) "*Chimophila*."—Bentham & Hooker f., Gen. Pl. 2: 603 (1876).
- Pyrola* Linnaeus, Sp. Pl. 396 (1753), p. p.  
*Pseva* Rafinesque Obs. Med. Rep. [1808] ex Rafinesque in Am. Monthly Mag. 2: 266 (1818), pro syn.; in Jour. de Phys. Chim. Hist. Nat. 89: 261 (1819), pro syn.—Kuntze, Rev. Gen. Pl. 2: 390 (1891).  
*Pyrola* subgen. *Psiseva* Rafinesque, Med. Fl. 2: 70 (1830) "Raf. (1808)."  
*Pyrola* sect. *Chimaphila* Koch, Syn. Fl. Germ. Helv. 478 (1837).  
*Pipseva* Rafinesque, Autik. Bot. 105 (1840) "Raf. (1808)."  
*Chimaza* R. Brown ex De Candolle, Prodr. 7, 2: 775 (1839), pro syn.
- C. umbellata** (L.) W. Barton, Veg. Mat. Med. U. S. 1: 17 (1817), p. p., quoad basonym.—Radius, *Pyrola* & *Chimophila*, 33 (1821) "*Chimophila* u."—De Candolle, Prodr. 7, 2: 775 (1839).—Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1593, fig. 2620-1 [1926].  
*Pyrola umbellata* Linnaeus, Sp. Pl. 396 (1753).  
*Pyrola frutescens* Gilibert, Fl. Lithuan. 2: 195 (1782); Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 325 (1790).  
*Pseva umbellata* Kuntze, Rev. Gen. Pl. 2: 390 (1891).  
*Chimaphila umbellata* var. *genuina* Blake in Rhodora, 19: 241 (1917).
- C. umbellata** var. *cisatlantica* Blake, l. c. (1917).  
*Pyrola umbellata* sensu Michaux, Fl. Bor.-Am. 1: 251 (1803), non Linnaeus (1753).  
*Chimaphila corymbosa* Pursh, Fl. Am. Sept. 300 (1814), exclud. syn.—Alefeld in Linnaea, 28: 81 (1856).—Rydberg in N. Am. Fl. 29: 31 (1914).  
*Chimaphila umbellata* W. Barton, Veg. Mat. Med. U. S. 1: 17 (1817), exclud. basonym.  
*Pipseva officinalis* Rafinesque, Autik. Bot. 106 (1840).  
*Pyrola corymbosa* Bertoloni in Nov. Comm. Acad. Sci. Inst. Bonon. 6: 428 (1844).

**C. umbellata** var. **occidentalis** (Rydb.) Blake in Rhodora, **19**: 242 (1917).

*Chimaphila umbellata* Alefeld in Linnaea, **28**: 78 (1856), p. p.

*Chimaphila occidentalis* Rydberg in N. Am. Fl. **29**: 30 (1940).

**C. maculata** (L.) Pursh, Fl. Am. Sept. **1**: 300 (1814).—Radius, Pyrola & Chimophila, 35, t. 5, fig. 2 (1821) "*Chimophila m.*"—Britton & Brown, Ill. Fl. N. U. S. **2**: 553, fig. 2735 (1897).

*Pyrola maculata* Linnaeus, Sp. Pl. 396 (1753).

*Pyrola* (or *Chimaphila*) *durandi* Rafinesque in Atlantic Jour. (Rafinesque), 119 (1832).

*Chimaphila maculata* var. *durandi* Rafinesque, Autik. Bot. 105 (1840).

*Pseva maculata* Kuntze, Rev. Gen. Pl. **2**: 390 (1891).

**C. Menziesii** (D. Don) Sprengel, Syst. Veg. **2**: 317 (1825).—Jepson, Fl. Calif. **3**: 56 (1939).

*Pyrola Menziesii* R. Brown ex D. Don in Mem. Werner, Nat. Hist. Soc. **5**: 245 (1824).

*Pseva Menziesii* Kuntze, Rev. Gen. Pl. **2**: 390 (1891).

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ERICACEAE De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 675 (1805).—D. Don in Edinb. New Philos. Jour. **17**: 152 (1834).—Bentham & Hooker f., Gen. Pl. **2**: 564, 577 (1873).—Drude in Nat. Pflanzenfam. IV. **1**: 15 [1889].—NOM. CONSERV. cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936). *Bicornes* Linnaeus, Philos. Bot. ed. 2, 34 (1763), p. p.; nom. subnud.—Ventenat, Tabl. Reg. Vég. **2**: 458 (1799). *Rhodoreae* Ventenat, op. cit. 449 (1799) exclud. *Itea*.—Desvaux in Jour. de Bot. (Desvaux) **1**: 28 (1813). *Siphonandraceae* Klotzsch in Linnaea, **24**: 13 (1851).

Subfam. I. RHODODENDROIDEAE Breitfeld in Bot. Jahrb. **9**: 319 (1888).—Drude in Nat. Pflanzenfam. IV. **1**: 15, ill. [1889].—Copeland in Am. Midland Nat. **30**: 534 (1943).

*Rhododeae* Batsch, Tab. Affin. Reg. Veg. 215 (1802), nom. subnud.

*Ericineae* A. Richard, Elém. Hist. Nat. Méd. **2**: 165 (1831).

*Ericaceae* 1. *Ericariae* et 3. *Rhodoreae* Reichenbach, Handb. Nat. Pflanzensyst. 206 (1837), exclud. 1b et 1c.

*Ericaceae* subord. *Ericineae* Gray, Bot. Text-book, 304 (1842).

*Rhodoreae* b. *Ericae* et *Andromedae* et c. *Rhododendreae* Horaninov, Tetractys Nat. 27 (1843), nom.

*Rhodoreae* v. *Ericariae* 2. *Rhodoreae* Horaninov, Char. Ess. Fam. Reg. Veg. 110 (1847).

*Ericaceae* 2. *Ericinae* Drude in A. Schenk, Handb. Bot. **32**: 378 (1887).

*Ericaceae* subfam. *Ericoideae* Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 626 (1909).

Trib. I. RHODODENDREAE Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 2 (Rhodod. As. Or.) (1870).—Gray, Syn. Fl. N. Am. **2,1**: 16 (1878) "subord. *Ericineae* trib. *Rh.*"—Drude in Nat. Pflanzenfam. IV. **1**: 34 [1889], sensu strictiore.

*Rhodoreae* Ventenat, Tabl. Reg. Vég. **2**: 449 [1799], exclud. *Itea*.—De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 671 (1805).

*Ericaceae* trib. *Rhodoreae* D. Don in Edinb. New Philos.

Jour. **17**: 152 (1834).—Copeland in Am. Midland Nat. **30**: 587 (1943).

*Menziesiaceae* Klotzsch in Linnaea, **24**: 11 (1851).

*Ericaceae* trib. *Rhodoreae* et trib. *Menziesiaceae* K. Koch, Hort. Dendr. 335, 340 (1853).

*Ericaceae* trib. *Phyllodoceae* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 3 (Rhodod. As. Or.) (1870).

*Ericaceae* subfam. *Rhododendroideae* A. Eurhododendreae Maxim. ex Breitfeld in Bot. Jahrb. **9**: 319 (1888).

*Ericaceae* trib. *Ledeae* et trib. *Phyllodoceae* Drude in Nat. Pflanzenfam. IV. **1**: 32, 38 [1889].

*Ericaceae* subfam. *Rhododendroideae* trib. *Cladothamneae* Copeland in Am. Midland Nat. **30**: 540 (1943).

**TRIPETALEIA** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **3**: 731, t. 3 (1843).—Maximowicz in Bull. Acad. Sci. St. Pétersb. **16**: 406 (in Mém. Biol. **8**: 157. 1872) (1871).

*Tripetaleia* sect. *Eutripetaleia* Nakai, Trees Shrubs Jap. **1**: 8 (1922).

*Botryostegae* Stapf in Kew Bull. **1934**: 192, t. (1934).

TYPE: *T. paniculata* Sieb. & Zucc.

**T. paniculata** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **3**: 731, t. 3 (1843).—Nakai, Trees Shrubs Jap. ed. 2, **1**: 11, fig. (1927).

*Gautiera triquetra* Siebold & Zuccarini in op. cit. **4,3**: 129 (Fl. Jap. Fam. Nat. **2**: 5) (1846).

*Elliottia paniculata* Bentham & Hooker f., Gen. Pl. **2**: 598 (1876).

**T. bracteata** Maximowicz in Bull. Acad. Sci. St. Pétersb. **11**: 433 (in Mém. Biol. **6**: 206. 1868) (1867); **16**: 406 (8: 157. 1872) (1871).

*Botryostegae bracteata* Stapf in Kew Bull. **1934**: 192, t. (1934).

**ELLIOTTIA** [Muhlenberg ex Elliott, Sketch Bot. S. Carol. **1**: 448 [1817].—] Nuttall, Gen. Am. Pl. 2(Add.): [4] (1818).—Bentham & Hooker f., Gen. Pl. **2**: 598 (1876), exclud. *Tripetaleia*.

TYPE: *E. racemosa* Elliott.

**E. racemosa** Muhlenberg, Cat. Pl. Am. Sept. 40 (1813), nom.—Elliott, Sketch Bot. S. Carol. **1**: 443 [1817].—Nuttall, Gen. Am. Pl. 2(Add.): [4] (1818).—Sargent, Silva N. Am. **14**: 31, t. 712 (1902).—Rydberg in N. Am. Fl. **29**: 39 (1914).

**CLADOTHAMNUS** Bongard in Mém. Sci. Math. Phys. Nat. Acad. Sci. St. Pétersb. sér. 6, **2**: 155, t. 1 (Obs. Vég. Sitcha, 37. 1832) (1833).—Bentham & Hooker f., Gen. Pl. **2**: 598 (1876).

*Tolmiea* Hooker, Fl. Bor.-Am. **2**: 44 [1834].

*Leiophyllum* subgen. *Cladothamnus* Dippel, Handb. Laubh. **1**: 436 (1889).

TYPE: *C. pyroliflorus* Bong.

**C. pyroliflorus** Bongard, l. c. (1833).—Gray, Syn. Fl. N. Am. **2,1**: 44 (1878) "*pyrolaeiflorus*."—Sargent in Gard. & For. **10**: 216, fig. 27 (1897), sphalm. "*pyrolaeifolius*."—Rydberg, Fl. N. Am. **29**: 40 (1914). "*pyrolaeiflorus*."

*Tolmiea occidentalis* Hooker, Fl. Bor.-Am. **2**: 44 [1834].

*Leiophyllum pyrolaeiflorum* Dippel, Handb. Laubh. **1**: 436 (1889).

**LEDUM** Linnaeus, Sp. Pl. 391 (1753); Gen. Pl. ed. 5, 185, no. 483 (1754).—Bentham & Hooker f., Gen. Pl. **2**: 599 (1876).

TYPE: *L. palustre* L.

**Ledum** (continued)

- L. palustre** Linnaeus, Sp. Pl. 391 (1753).—Hegi, Ill. Fl. Mittel-Eur. 5,3: 1623, fig. 2640-2 [1926].  
*Ledum graveolens* Gilibert, Fl. Lithuan. 2: 199 (1782); Exerc. Phytol. (Suppl. Syst. Pl. Eur.) 2: 328 (1790).  
*Ledum palustre* var. *longifolium* C. F. Ludwig, Neu. Wilde Baumz. 26 (1783), nom.  
*Ledum palustre* var. *thymifolium* Loddiges ex C. F. Ludwig, l. c. (1783), nom.  
*Ledum palustre* a. *erectum* Aiton, Hort. Kew. 2: 65 (1789).  
*Ledum palustre* β. *vulgare* Ledebour, Fl. Ross. 2,2: 923 (1846).—E. Busch in N. & E. Busch, Fl. Sibir. et Or. Extr. (fasc. 2) 63: 7, fig. (1915).  
*Ledum palustre* a. *genuinum* Herder in Act. Hort. Petrop. 1: 352 (1872).  
**L. palustre** var. *decumbens* Aiton, Hort. Kew. 2: 65 (1789) "β."—E. Busch in N. & E. Busch, Fl. Sibir. et Or. Extr. (fasc. 2) 63: 8, fig. (1915).  
*Ledum palustre* a. *angustifolium* [C. F. Ludwig, Neu. Wilde Baumz. 26 (1783) "var. a.", nom.—] Hooker, Fl. Bor.-Am. 2: 44 [1834].  
*Ledum decumbens* Loddiges ex Steudel, Nomencl. Bot. ed. 2, 2: 20 (1841), pro syn.—Rydberg in N. Am. Fl. 29: 37 (1914).  
*Ledum palustre* f. *parvifolia* Maack, Vilinsk. Okr. Yakutsk. Obl. 2: 283 (1886).  
**L. palustre** var. *dilatatum* Wahlenberg, Fl. Lapp. 103 (1812).—Maximowicz in Mém. Sci. St. Pétersb. sér. 7, 16,9: 491 (Rhodod. As. Or.) (1870) "γ."—Gray, Syn. Fl. N. Am. 2,1: 43 (1886).—Nakai, Fl. Sylv. Kor. 8: 21, t. 1 (1919).  
*Ledum (palustre) dilatatum* Ruprecht in Beitr. Pflanzenk. Russ. Reich. 4: 57 (1845).  
*Ledum pacificum* Small in N. Am. Fl. 29: 37 (1914).  
*Ledum palustre* var. *hypoleucum* Bean, Trees Shrubs Brit. Isl. 2: 11 (1914).  
*Ledum hypoleucum* Komarov in Bull. Jard. Bot. Pierre Grand, 16: 175 (1916).  
**L. groenlandicum** Gunnerus, Fl. Norveg. 139 (1766).—Oeder, Icon. Pl. Dan. Norveg. 4: 5, t. 567 (1777), nomencl. prelinn.—Gray, Syn. Fl. N. Am. 2,1: 43 (1886).—Rydberg, N. Am. Fl. 29: 37 (1914).  
*Ledum latifolium* Jacquin, Collect. Bot. 2: 308 (1788); Icon. Pl. Rar. 3: 4, t. 464 (1786).  
*Ledum palustre* var. *latifolium* C. F. Ludwig, Neu. Wilde Baumz. 26 (1783), nom.—Michaux ex Gray, Syn. Fl. N. Am. 2,1: 43 (1886), pro syn.  
*Ledum canadense* Loddiges, Bot. Cab. 11: t. 1049 (1825).  
*Ledum latifolium* var. *globosum* Masters in Gard. Chron. ser. 2, 9: 698 fig. 124 (1878).  
**L. groenlandicum** f. *compactum* (Bean), grad. nov.  
*Ledum latifolium* var. *compactum* [Bean] in Kew Handlist Trees Shrubs, ed. 2, 495 (1902), nom.—Bean, Trees Shrubs Brit. Isl. 2: 13 (1914).  
*Ledum groenlandicum* var. *compactum* Bean ex Rehder, Man. Cult. Trees Shrubs, 679 (1927).  
**L. glandulosum** Nuttall in Trans. Am. Philos. Soc. n. ser., 8: 270 (1843).—Rydberg in N. Am. Fl. 29: 38 (1914).  
*Ledum californicum* Kellogg in Proc. Calif. Acad. Nat. Sci. 2: 14 (1863).

**RHODODENDRON** Linnaeus, Sp. Pl. 392 (1753); Gen. Pl. ed. 5, 185, no. 484 (1754) "*Rhododendrum*."—G.

Don, Gen. Hist. Dichlam. Pl. 3: 843 (1834).—Bentham & Hooker f., Gen. Pl. 2: 599 (1876).  
*Chamaerhododendron* Miller, Gard. Dict. abridg. ed. 4, 1 (1754), exclud. C. no. 3.—Bubani, Fl. Pyren. 2: 5 (1900).  
*Brachycalyx* Sweet ex Steudel, Nomencl. Bot. ed. 2, 1: 220 (1840), nom.  
*Azalea* L. sensu Kuntze, Rev. Gen. Pl. 2: 385 (1891), sensu lato.  
LECTOTYPUS: *R. ferrugineum* L.

Subgen. i. **EURHODODENDRON** [Endl.] Drude in Nat. Pflanzenfam. IV. 1: 34 (1889).  
*Rhododendron* b. *Eurhododendron* Endlicher, Gen. Pl. 759 [1839].—De Candolle, Prodr. 7,2: 721 (1839, Dec.), p. p.; "sect."

Sect. i. **LEIORHODIUM** Rehder in Bailey, Stand. Cycl. Hort. 5: 2937 (1916); in Jour. Arnold Arb. 15: 269 (1934) "*Leiorhodion*."

*Hymenanthus* Blume, Bijdr. Fl. Nederl. Ind. 862 (1826).—Copeland in Am. Midland Nat. 30: 614 (1943).  
*Stemotis* Rafinesque, Sylva Tellur. 152 (1838).  
*Rhododendron* sect. *Eurhododendron* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 14, 19 (1870), exclud. *R. Keiskei*.—Koehne Deutsche Dendr. 449 (1893) "subgen."—Rehder & Wilson in Sargent, Pl. Wilson. 1: 525 (1913) "subgen."—Typo generis excluso.

SERIES cf. Tagg in Rhodod. Soc., Spec. Rhodod.: ser. *Ponticum* (p. 567), *Fortunei* (p. 257), *Thomsonii* (p. 696), *Barbatum* (p. 125), *Auriculatum* (p. 38), *Lacteum* (p. 370), *Campanulatum* (p. 175), *Taliense* (p. 628) (1930).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 698 (1940), pro syn.\*

**R. catawbiense** Michaux, Fl. Bor.-Am. 1: 258 (1803).—Tagg in Rhodod. Soc., Spec. Rhodod. 584 (1930).  
*Azalea catawbiensis* (Michx.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).  
*Hymenanthus catawbiensis* Copeland in Am. Midland Nat. 30: 614 (1943).

**R. catawbiense** f. *album* (Glass), grad. nov.  
*Rhododendron catawbiense album* Powell Glass in Nat. Hort. Mag. 16: 253 (1937).

**R. catawbiense** f. *compactum* Kelsey, Hardy Am. Pl. 9, fig. [1925; in 1924, p. 16, nom.]—Nearing in Arbor. Bull. Seattle, 8(1945), no. 4: 3 [1946?].

**R. catawbiense** f. *tomopetalum* Rehder in Jour. Arnold Arb. 20: 424 (1939).

**R. Morelianum** [*R. catawbiense* × *ponticum*] Lemaire in Hort. Univ. 4: 1, t. (1843).  
*Rhododendron robustissimum fastuosum* fl. pleno Ch. L[emaire] in Fl. des Serr. 2,9: 1, t. 1-2 (1846).  
*Rhododendron robustissimum* "Lindley in Gard. Chron. 1846, May 23" ex Schneider, Ill. Handb. Laubh. 2: 485 (1909).

**R. alta-clarense** (*R. arboreum* × *catawbiense* × *ponticum*) Lindley in Bot. Reg. 17: t. 1414 (1831).

**R. Russellianum** (*R. arboreum* × *catawbiense*) Sweet, Brit. Flow. Gard. ser. 2, 1: t. 91 (1831).

\* The series published in the Species of *Rhododendron* under this and the following sections are treated here only as synonyms since their names do not conform to the Rules of Botanical Nomenclature and are of unequal systematic value, without attempt toward classification under their proper subgenera and sections. In Rehder, Man. Cult. Trees Shrubs, ed. 2, pp. 698-723, they are placed under the sections to which they belong.



- R. russellianum** f. *album* (Millais), grad. nov.  
*Rhododendron russellianum* var. *album* Millais, *Rhodod.* 1: 237 (1917).
- R. stanwellianum** (*R. catawbiense* × *caucasicum*) Hort. ex Millais, *Rhodod.* 1: 247 (1917), nom. subnud.—Methven ex Rehder, *Man. Cult. Trees Shrubs*, 683 (1927), nom. subnud.
- R. wellesleyanum** (*R. catawbiense* × *maximum*) Waterer [1880] ex Rehder, *Man. Cult. Trees Shrubs*, 683 (1927), nom. subnud.
- R. macrophyllum** G. Don, *Gen. Hist. Dichlam.* Pl. 3: 843 (1834).—Rydberg in *N. Am. Fl.* 29: 47 (1914).—G. N. Jones, *Bot. Surv. Olymp. Pen.* 208 (1936).  
*Rhododendron californicum* Hooker in *Bot. Mag.* 81: t. 4863 (1855).—Rydberg, l. c. (1914).—Jepson, *Fl. Calif.* 3: 21, fig. 282 (1939).  
*Azalea macrophylla* (Don) Kuntze, *Rev. Gen. Pl.* 2: 387 (1891).  
*Azalea californica* (Hk.) Kuntze, l. c. (1891).  
*Rhododendron Washingtonianum* Hort. ex Zabel in *Mitt. Deutsch. Dendr. Ges.* 1899(8): 72 (1899).  
*Rhododendron californicum* var. *Washingtonianum* Zabel in op. cit. 73 in textu (1899), nom. tentat.; in Beissner et al., *Handb. Laubh.-Ben.* 377 (1903) "f."; nom.  
*Hymenanthus californica* Copeland in *Am. Midland Nat.* 30: 614 (1943).
- R. macrophyllum** f. *album* Rehder in *Jour. Arnold Arb.* 28: 254 (1947).
- R. ponticum** Linnaeus, *Sp. Pl.* ed. 2, 562 (1762).—Tagg in *Rhodod. Soc. Spec. Rhodod.* 586 (1930).  
*Rhododendron lancifolium* Moench, *Meth. Pl.* 45 (1794).  
*Rhododendron speciosum* Salisbury, *Prodr. Stirp. Chap. Allert.* 287 (1796).  
? *Rhododendron ponticum* var. *R. parviflorum* Cels ex Dumont de Courset, *Bot. Cult.* 2: 253 (1802).  
? *Rhododendron ponticum* var. *angustifolium* Millet in *Mém. Soc. Agric. Sci. Arts Angers*, 3: 92 (1835).  
*Rhododendron baeticum* Boissier & Reuter in Boissier, *Diagn. Pl. Or. Nov. sér. 3*, 3: 118 (1856).  
*Azalea lancifolia* Kuntze, *Rev. Gen. Pl.* 2: 386 (1891).  
*Hymenanthus pontica* Copeland in *Am. Midland Nat.* 30: 614 (1943).  
*Rhododendron ponticum* β. *baeticum* Perez Lara in *Anal. Soc. Españ. Hist. Nat.* 18: 51 (1889).  
? *Rhododendron parviflorum* Dum.-Courset ex B. D. Jackson in *Index Kew.* 2: 711 (1895), pro syn.
- R. ponticum** f. *album* [Sweet] Zabel in Beissner et al., *Handb. Laubh.-Ben.* 377 (1903) (f.).  
*Rhododendron ponticum* γ. *album* Sweet, *Hort. Brit.* 1: 264 (1827).
- R. ponticum** f. *roseum* (Sweet), grad. nov.  
*Rhododendron ponticum* β. *roseum* Sweet, l. c. (1827).
- R. smithii** (*R. arboreum* × *ponticum*) Sweet, *Brit. Flow. Gard. ser. 2*, 1: t. 50 (1831).
- R. Kesselringii** (*R. ponticum* × *Smirnowi*) E. Wolf in *Mitt. Deutsch. Dendr. Ges.* 1910(19): 286 [1911?]; in *Repert. Sp. Nov. Reg. Veg.* 13: 365 (1914).
- R. maximum** Linnaeus, *Sp. Pl.* 392 (1753).—Sargent, *Silva N. Am.* 5: 148, t. 238 (1893).  
*Rhododendron procerum* Salisbury, *Prodr. Stirp. Chap. Allert.* 287 (1796).  
*Rhododendron maximum* α. *roseum* Pursh, *Fl. Am. Sept.* 1: 297 (1814).
- Hymenanthus maxima* Copeland in *Am. Midland Nat.* 30: 614 (1943).
- R. maximum** f. *album* (Pursh) Fernald in *Rhodora*, 43: 336 (1841).  
*Rhododendron maximum* β. *album* Pursh, *Fl. Am. Sept.* 1: 297 (1814).  
*Rhododendron album* Hoffmannsegg, *Verz. Pflanzenkult.* 105, 192 (1824).  
*Rhododendron Purshii* G. Don, *Gen. Hist. Dichlam. Pl.* 3: 843 (1834).  
*Rhododendron maximum* var. *albiflorum* Rafinesque, *Autik. Bot.* 86 (1840), nom.
- R. maximum** f. *purpureum* (Pursh) Fernald in *Rhodora*, 43: 336 (1941).  
*Rhododendron maximum* γ. *purpureum* Pursh, *Fl. Am. Sept.* 1: 297 (1814).  
*Rhododendron purpureum* G. Don, *Gen. Hist. Dichlam. Pl.* 3: 843 (1834).
- R. intermedium** (*R. maximum* × *ponticum*) Wenderoth in *Flora*, 9, 1: 357 (1826).
- R. Cunninghamii** (*R. arboreum* × *maximum*) T. Moore in *Gard. Mag. Bot. Hort.* 1851: t. 121 (1851).  
*Rhododendron cinnamomeum* var. *Cunninghamii* Paxton in *Paxton's Flow. Gard.* 1: 81, t. 16 (1850).
- R. Degronianum** Carrière in *Rev. Hort.* 1869: 368, fig. 77 (1869).—Tagg in *Rhodod. Soc., Spec. Rhodod.* 574 (1930).  
*Rhododendron Metternichii* β. *pentamerum* Maximowicz in *Mém. Acad. Sci. St. Pétersb. sér. 7*, 16, 9: 22 (1870).—Wilson in *Jour. Arnold Arb.* 4: 36 (1923).  
*Rhododendron Hymenanthus* β. *pentamerum* Makino in *Bot. Mag. Tokyo*, 16: 33 (1902).  
*Rhododendron japonicum* var. *pentamerum* Hutchinson in *Bot. Mag.* 137: t. 8403 (1911).  
*Rhododendron pentamerum* Matsumura & Nakai in *Cat. Sem. Spor. Hort. Bot. Univ. Tokyo*, 1916: 24 (1916), descr. brevi in nota.  
*Rhododendron Degronianum* f. *spontaneum* Nakai in *Bot. Mag. Tokyo*, 38: 26 (1924).
- R. Watereri** (*R. catawbiense* hybr. × *Degronianum*) Wilson in *Jour. Arnold Arb.* 4: 37 (1923).
- R. Makinoi** Tagg ex Nakai & Koidzumi, *Trees Shrubs Jap. ed. rev.* 1: 61, fig. (1927).—Tagg in *Rhodod. Soc., Spec. Rhodod.* 577 (1930).  
*Rhododendron Hymenanthus* β. *pentamerum* f. *angustifolium* Makino in *Bot. Mag. Tokyo*, 16: 33 (1902).  
*Rhododendron stenophyllum* Makino in op. cit. 24: 99 (1910), non Hooker f. (1877).  
*Rhododendron Metternichii* var. *angustifolium* Bean, *Trees Shrubs Brit. Isl.* 2: 368 (1914).
- R. Metternichii** Siebold & Zuccarini, *Fl. Jap.* 1: 23, t. 9 [1835].—Wilson in *Jour. Arnold Arb.* 4: 35 (1923).—Nakai in Nakai & Koidzumi, *Trees Shrubs Jap. ed. rev.* 1: 63, fig. (1927).  
*Rhododendron maximum* sensu Thunberg, *Fl. Jap.* 181 (1784), non Linnaeus (1753).  
*Hymenanthus japonica* Blume, *Bijdr. Fl. Nederl. Ind.* 862 (1826).  
*Rhododendron Metternichii* α. *heptamerum* Maximowicz in *Mém. Acad. Sci. St. Pétersb. sér. 7*, 16, 9: 21 (1870).  
*Azalea japonica* Kuntze, *Rev. Gen. Pl.* 2: 386 (1891), non Gray (1859).  
*Rhododendron Hymenanthus* α. *heptamerum* Makino in *Bot. Mag. Tokyo*, 16: 33 (1902).

**Rhododendron Metternichii** (continued)

- Rhododendron japonicum* Schneider, Ill. Handb. Laubh. 2: 490, fig. 323a-p, 324b-c (1909), non Suringar (1908).  
*Rhododendron Metternichii* var. *typicum* Nakai in Bot. Mag. Tokyo, 38: 26 (1924).
- R. chrysanthum** Pallas, Reis. Prov. Reich. 3(App.): 729, t. n, fig. 1-2 (1776).—E. Busch in N. Busch, Fl. Sibir. et Or. Extr. (pt. 2), 63: 15, t. (1915).—Nakai, Fl. Sylv. Kor. 8: 40, t. 13 (1919).—Wilson in Jour. Arnold Arb. 4: 40 (1923).  
*Rhododendron aureum* Georgi, Bemerk. Reise Russ. Reich. 1: 91 (1775), nom.  
*Rhododendron flavum* Pallas, Reis. Prov. Russ. Reich. 3: 320 (1776) "flauum," nom.—Ledebour, Fl. Ross. 2: 920 (1844), pro syn.  
*Rhododendron officinale* Salisbury, Parad. Londin. 2: t. 80 (1807).  
*Azalea chrysantha* (Pall.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- R. Smirnowii** Trautvetter in Act. Hort. Petrop. 9: 511 (Rhodod. Nov. Par. 3. 1885) (1886).—Regel in Gartenfl. 34: 334 (1885) "Smirnowi."—Hooker f. in Bot. Mag. 122: t. 7495 (1896) "Smirnovi."—Micheli in Rev. Hort. 1899: 500, t. (1899).
- R. Ungernii** Trautvetter in Act. Hort. Petrop. 9: 512 (Rhodod. Nov. Par. 4. 1885) (1886).—Regel in Gartenfl. 34: 335 (1885) "Ungerni."—Hemsley in Bot. Mag. 136: t. 8332 (1910).
- R. caucasicum** Pallas, Fl. Ross. 1: 46, t. 31 (1784).—Tagg in Rhodod. Soc., Spec. Rhodod. 572 (1930).  
*Azalea caucasica* (Pall.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- R. caucasicum** f. *flavidum* (Reg.), grad. nov.  
*Rhododendron caucasicum* β. *flavidum* Regel in Gartenfl. 16: 322, t. 560 (1867).
- R. caucasicum** f. *stramineum* (Hook.), grad. nov.  
*Rhododendron caucasicum* var. *straminea* Hooker in Bot. Mag. 62: t. 3422 (1835).
- R. caucasicum-arboreum** (*R. arboreum* × *caucasicum*) Maund & Henslow in Botanist (Maund & Henslow), 4: t. 157 [1840].  
*Rhododendron venustum* Sweet, Brit. Flow. Gard. ser. 2, 3: t. 285 (1835), non Salisbury (1796).  
*Rhododendron Nobleanum* Lindley in Bot. Reg. 21: t. 1820, fig. 1 [1835, Dec.], nom. subnud.—Millais, Rhodod. 119 (1917).  
*Rhododendron pulcherrimum* Lindley in Bot. Reg. 21: t. 1820 [1835, Dec.], nom. subnud.  
*Rhododendron Nobleanum venustum* Millais, Rhodod. 119 (1917).  
*Rhododendron Nobleanum pulcherrimum* Millais, l. c. (1917).
- R. brachycarpum** D. Don in herb. ex G. Don, Gen. Hist. Dichlam. Pl. 3: 843 (1834).—Wilson in Jour. Arnold Arb. 4: 38 (1923).—Tagg in Rhodod. Soc., Spec. Rhodod. 571, fig. (1930).  
*Azalea brachycarpa* (Don) Kuntze, Rev. Gen. Pl. 2: 387 (1891).  
*Rhododendron brachycarpum* var. *typicum* Nakai, Trees Shrubs Jap. 1: 46 (1922).  
*Rhododendron brachycarpum* var. *rufescens* Nakai, op. cit. ed. rev. 1: 56 (1927).
- R. brachycarpum** var. *rosaeflorum* Miyoshi in Jour. Coll. Sci. Tokyo, 27, 11: 8 (1910).  
*Rhododendron brachycarpum* var. *roseum* Koidzumi in Bot. Mag. Tokyo, 30: 77 (1916).  
*Rhododendron Fauriei* var. *roseum* Nakai, Trees Shrubs Jap. 1: 48 (1922).
- R. brachycarpum** var. *lutescens* Koidzumi in Bot. Mag. Tokyo, 30: 77 (1916).—Wilson in Jour. Arnold Arb. 4: 40 (1923).  
*Rhododendron brachycarpum* sensu A. Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 400 (1859), non G. Don (1834).  
*Rhododendron Fauriei* Franchet in Bull. Soc. Philom. Paris, sér. 7, 10: 145 (Note Vég. Yesso, [3]: 5) (1886).—Nakai, Trees Shrubs Jap. ed. rev. 1: 54, fig. 23 (1927).
- R. decorum** Franchet in Bull. Soc. Bot. France. 33: 230 (1886).—Tagg in Rhodod. Soc., Spec. Rhodod. 269 (1930).—Rehder in Jour. Arnold Arb. 15: 270 (1934).  
*Azalea decora* (Fr.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).  
*Rhododendron Franchetianum* Léveillé in Bull. Soc. Agric. Sci. Arts Sarthe, 39: 46 (1903).  
*Rhododendron Spooneri* Hemsley & Wilson in Kew Bull. 1910: 110 (1910).  
*Rhododendron albicaule* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 148 (1914), p. p.?  
*Rhododendron Giraudiasii* Léveillé in op. cit. 340 (1914).  
*Rhododendron hexamerum* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 58: 27 (Pl. Nov. Sin. Forts. 9: 3) (1921).
- R. serotinum** Hutchinson in Bot. Mag. 146: t. 8841 (1920).
- R. Fortunei** Lindley in Gard. Chron. 1859: 868 (1859).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 541 (1913).  
*Azalea Fortunei* (Ldl.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- R. vernicosum** Franchet in Jour. de Bot. 12: 258 (1898).—Tagg in Rhodod. Soc., Spec. Rhodod. 277 (1930).  
*Rhododendron lucidum* Franchet in Jour. de Bot. 9: 300 (1895), non Nuttall (1853).  
*Rhododendron Sheltonae* Hemsley & Wilson in Kew Bull. 1910: 108 (1910).  
*Rhododendron euanthum* Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. 10: 103 (1917).  
*Rhododendron rhantum* Balfour f. & W. W. Smith in op. cit. 10: 145 (1917).  
*Rhododendron adoxum* Balfour f. & Forrest in Notes Bot. Gard. Edinb. 13: 28 (1920).  
*Rhododendron araliaeforme* Balfour f. & Forrest in op. cit. 13: 232 (1922).
- R. discolor** Franchet in Jour. de Bot. 9: 391 (1895).—Tagg in Rhodod. Soc., Spec. Rhodod. 271 (1930).  
*Rhododendron mandarinorum* Diels in Bot. Jahrb. 29: 510 (1900).  
*Rhododendron Kirkii* Hort. ex Tagg, l. c. (1930), pro syn.
- R. discolor** f. *carneum* Wilson in Jour. Arnold Arb. 5: 97 (1924).
- R. holmleaense** (*R. catawbiense* hybr. × *discolor*) Rehder in Jour. Arnold Arb. 3: 48 (1921).
- R. Houlstonii** Hemsley & Wilson in Kew Bull. 1910: 110 (1910).—Tagg in Rhodod. Soc., Spec. Rhodod. 275 (1930).  
*Rhododendron Fortunei* var. *Houlstonii* Rehder & Wilson in Sargent, Pl. Wilson. 1: 541 (1913).

- R. Fargesii** Franchet in Jour. de Bot. **9**: 390 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 540 (1913).
- R. erubescens** Hutchinson in Bot. Mag. **142**: t. 8643 (1916).
- R. oreodoxa** Franchet in Bull. Soc. Bot. France, **33**: 230 (1886).—Tagg in Rhodod. Soc., Spec. Rhodod. 285, fig. (1930).  
*Rhododendron haematocheiton* Craib in Gard. Chron. ser. 3, **53**: 214 (1913).  
*Rhododendron Reginaldii* Balfour f. in Notes Bot. Gard. Edinb. **11**: 114 (1919).  
*Rhododendron Limprichtii* Diels in Repert. Sp. Nov. Reg. Veg. **17**: 195 (1921).
- R. orbiculare** Decaisne in Fl. des Serr. **22**: 169 (1877).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 540 (1913).—Tagg in Rhodod. Soc., Spec. Rhodod. 280, fig. (1930).  
*Rhododendron rotundifolium* David in Jour. As. Soc. N. China Branch, **7**: 216 (1873), nom.—Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **10**: 47 (Pl. David. **2**: 85. 1888) (1887).
- R. sutchuenense** Franchet in Jour. de Bot. **9**: 392 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 544 (1913).
- R. sutchuenense** var. **Geraldii** Hutchinson in Gard. Chron. ser. 3, **67**: 128 (1920).
- R. praevernium** Hutchinson in Gard. Chron. ser. 3, **67**: 127 (1920).—Tagg in Rhodod. Soc., Spec. Rhodod. 260 (1930).
- R. calophytum** Franchet in Bull. Soc. Bot. France, **33**: 230 (1886).—O. S[apf] & F. B. in Bot. Mag. **153**: t. 9173 (1927).
- R. Davidi** Franchet, l. c. (1886).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 543 (1913) "*Davidii*."
- R. Souliei** Franchet in Jour. de Bot. **9**: 393 (1895).—Tagg in Rhodod. Soc., Spec. Rhodod. 732, fig. (1930).  
*Rhododendron cordatum* Léveillé in Bull. Géog. Bot. **24**: 282 (1914).
- R. Williamsianum** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 538 (1913).—Tagg in Rhodod. Soc., Spec. Rhodod. 734 (1930).
- R. Thomsonii** Hooker f., Rhodod. Sikkim-Himal., **13**, e. 12 (1851).—Tagg in op. cit. 745, fig. (1930).
- R. croceum** Balfour f. & W. W. Smith in Notes Bot. Gard. —Tagg in Rhodod. Soc., Spec. Rhodod. 729 (1930).  
*Rhododendron prasinocalyx* Balfour f. & Forrest in Notes Bot. Gard. Edinb. **13**: 57 (1920).
- R. litiense** Balfour f. & Forrest in op. cit. **12**: 126 (1920).—Tagg in Rhodod. Soc., Spec. Rhodod. 729 (1930).
- R. Wardii** W. W. Smith in Notes Bot. Gard. Edinb. **8**: 205 (1914).—Tagg in op. cit. 733 (1930).  
*Rhododendron oresterum* Balfour & Forrest in Notes Bot. Gard. Edinb. **13**: 55 (1920).  
*Rhododendron gloeoblastum* Balfour & Forrest in op. cit. **13**: 260 (1922).
- R. longesquamatum** Schneider, Ill. Handb. Laubh. **2**: 483, fig. 324p (1909).—Tagg in Rhodod. Soc., Spec. Rhodod. 147 (1930).  
*Rhododendron Brettii* Hemsley & Wilson in Kew Bull. **1910**: 106 (1910).
- R. pachytrichum** Franchet in Bull. Soc. Bot. France, **33**: 231 (1886).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 530 (1913).
- R. strigillosum** Franchet, l. c. (1886).—Rehder & Wilson, l. c. (1913).
- R. auriculatum** Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 20 (1889).
- R. Traillianum** Forrest & W. W. Smith in Notes Bot. Gard. Edinb. **8**: 204 (1914).—Tagg in Rhodod. Soc., Spec. Rhodod. 385 (1930).  
*Rhododendron theiphyllum* Balfour f. & Forrest in Notes Bot. Gard. Edinb. **13**: 61 (1920).
- R. dictyotum** Balfour msc. ex Tagg in Notes Bot. Gard. Edinb. **15**: 309 (1927); in Rhodod. Soc., Spec. Rhodod. 376 (1930).
- R. campanulatum** D. Don in Mem. Werner. Nat. Hist. Soc. **3**: 410 (1821).—Tagg in Rhodod. Soc., Spec. Rhodod. 177 (1930), exclud. syn.  
*Azalea campanulata* (Don) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).
- R. Wallichii** Hooker f., Rhodod. Sikkim-Himal. **4**, t. 5 (1849).—Tagg in op. cit. 181, fig. (1930).  
*Rhododendron campanulatum* var. *Wallichii* Hooker f., Fl. Brit. Ind. **3**: 466 (1882).
- R. aeruginosum** Hooker f., Rhodod. Sikkim-Himal. **23**, t. 22 [1851].—Tagg in Rhodod. Soc., Spec. Rhodod. 176 (1930).  
*Rhododendron campanulatum aeruginosum* Nicholson, Ill. Dict. Gard. **3**: 293 [1886].—Schneider, Ill. Handb. Laubh. **2**: 492 (1909) "var."
- R. adenogynum** Diels in Notes Bot. Gard. Edinb. **5**: 216 (1912).—Tagg in Rhodod. Soc., Spec. Rhodod. 633, fig. (1930).
- R. Balfourianum** Diels in op. cit. **5**: 214 (1912).—Tagg in op. cit. 636 (1930).
- R. detonsum** Balfour f. & Forrest in Notes Bot. Gard. Edinb. **11**: 48 (1919).—Tagg in op. cit. 642 (1930).
- R. rufum** Batalin in Act. Hort. Petrop. **11**: 490 (1891).—Wilson in Jour. Arnold Arb. **9**: 106, t. 13 (1928).—Tagg in op. cit. 642 (1930).  
? *Rhododendron Wallaceanum* Millais, Rhodod. ser. **2**: 259 (1924).
- R. cucullatum** Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **58**: 26 (Pl. Nov. Sin. Forts. **9**: 3) (1921); Symb. Sin. **7**: 784 (1936).  
*Rhododendron coccinopeplum* Balfour f. & Forrest in Notes Bot. Gard. Edinb. **13**: 248 (1922).
- R. Wasoni** Hemsley & Wilson in Kew Bull. **1910**: 105 (1910).—Tagg in Rhodod. Soc., Spec. Rhodod. 693 (1930) "*Wasonii*."
- R. Przewalskii** Maximowicz in Bull. Acad. Sci. St. Pétersb. **23**: 350 (in Mém. Biol. **9**: 771) (1877).—Wilson in Jour. Arnold Arb. **9**: 104 (1928).—Tagg in op. cit. 682 (1930).  
*Azalea Przewalskii* (Maxcz.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).  
? *Rhododendron kialense* Franchet in Jour. de Bot. **9**: 392 (1895).  
? *Rhododendron kansuense* Millais, Rhodod. ser. **2**: 167 (1924).

**Rhododendron** (*continued*)

**R. sphaeroblastum** Balfour f. & Forrest in Notes Bot. Gard. Edinb. **13**: 60 (1920).—Tagg in Rhodod. Soc., Spec. Rhodod. 685 (1930).

**R. agglutinatum** Balfour f. & Forrest in op. cit. **12**: 88 (1920).—Tagg in op. cit. 674 (1930).

**R. schizopeplum** Balfour f. & Forrest in op. cit. **11**: 131 (1919).—Tagg in op. cit. 684 (1930).

*Rhododendron fissotectum* Balfour f. & Forrest in op. cit. **13**: 44 (1920).

**R. flavorufum** Balfour f. & Forrest in op. cit. **11**: 65 (1919).—Tagg in op. cit. 677 (1930).

**R. aganniphum** Balfour f. & Ward in Notes Bot. Gard. Edinb. **10**: 80 (1917).—Tagg in op. cit. 673 (1930).

Sect. II. LEPIIPHERUM G. Don, Gen. Hist. Dichlam. Pl. **3**: 845 (1834).

*Osmothamnus* De Candolle, Prodr. **7**: 715 (1839).

*Plinthochroma* Dulac, Fl. Haut.-Pyrén. 419 (1867).

*Rhododendron* sect. *Osmothamnus* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16**: 9: 14, 17 (1870).

*Rhododendron* subgen. *Lepidorrhodium* Koehne, Deutsche Dendr. 449 (1893), p. p.

SERIES cf. Hutchinson in Rhodod. Soc., Spec. Rhodod.: ser. *Triflorum* (p. 758), *Heliolepis* (p. 320), *Saluense* (p. 587), *Moupinense* (p. 502), *Carolinanum* (p. 192), *Ferrugineum* (p. 252), *Glaucum* (p. 293), *Boothii* (p. 155), *Lepidotum* (p. 437), *Campylogynum* (p. 182), *Micranthum* (p. 500), *Lapponicum* (p. 387) (1930).—Rehder, Man. Cult. Trees Shrubs ed. 2, 705 (1940), pro syn.

**R. Keiskei** Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 163 (Prol. Fl. Jap. 95) (1866).—Wilson in Jour. Arnold Arb. **4**: 44 (1923).—Nakai, Trees Shrubs Jap. ed. rev. 71, fig. 31 (1927).

*Azalea Keiskei* (Miq.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).

**R. ambiguum** Hemsley in Bot. Mag. **137**: t. 8400 (1911).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 518 (1913).

**R. lutescens** Franchet in Bull. Soc. Bot. France, **33**: 235 (1886).—Tagg in Rhodod. Soc. Notes, **3**: 228, 229 (1928).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 789, fig. (1930).

*Rhododendron costulatum* Franchet in Jour. de Bot. **9**: 309 (1895).

*Rhododendron Lemeei* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 339 (1913).

*Rhododendron Blinii* Léveillé in Bull. Acad. Intern. Géog. Bot. **25**: 21 (1915).

**R. Hanceanum** Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 24 (1889).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 772 (1930).

*Azalea Hanceana* (Hemsl.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).

**R. Augustini** Hemsley in op. cit. 19 (1889).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 524 (1913) "*Augustinii*".—Hutchinson in Rhodod. Soc., Spec. Rhodod. 764 (1930) "*Augustinii*".

*Azalea Augustinii* (Hemsl.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).

**R. Augustini** f. *album* Wilson in Jour. Arnold Arb. **5**: 101 (1924).

**R. trichanthum** Rehder in Jour. Arnold Arb. **26**: 480 (1945).

*Rhododendron villosum* Hemsley & Wilson in Kew Bull. **1910**: 119 (1910).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 770 (1930).—Non Roth (1807) [= *Clerodendron fragrans* Vent.]

**R. Davidsonianum** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 515 (1913).—Hutchinson in op. cit. 797 (1930). *Rhododendron siderophyllum* sensu Hutchinson in Bot. Mag. **144**: t. 8759 (1918), non Franchet (1898).

**R. yunnanense** Franchet in Bull. Soc. Bot. France, **33**: 233 (1886).—Hutchinson in op. cit. 815, fig. (1930). *Azalea yunnanensis* (Ft.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).

**R. siderophyllum** Franchet in Jour. de Bot. **12**: 262 (1898).—Tagg in Rhodod. Soc. Notes, **3**: 229 (1928).—Rehder in Jour. Arnold Arb. **15**: 272 (1934).

*Rhododendron Jahandiezii* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 340 (1914).

*Rhododendron obscurum* Franchet sched. ex Balfour f. in Notes Bot. Gard. Edinb. **13**: 278 (1922).

**R. hormophorum** Balfour f. & Forrest in Notes Bot. Gard. Edinb. **12**: 117 (1920).

**R. Searsiae** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 522 (1913).—Hutchinson in Rhodod. Soc. Spec., Rhodod. 808, fig. (1930).

**R. Amesiae** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 523 (1913).—Stapf in Bot. Mag. **154**: t. 9221 (1930).

**R. Bodinieri** Franchet in Jour. de Bot. **12**: 257 (1898).—Tagg in Rhodod. Soc. Notes, **3**: 230 (1928).—Rehder in Jour. Arnold Arb. **15**: 272 (1934).

*Rhododendron rubro-punctatum* Léveillé & Vaniot in Repert. Sp. Nov. Reg. Veg. **9**: 448 (1911).

*Rhododendron Seguini* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 148 (1914).

**R. longistylum** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 514 (1913).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 805 (1930).

**R. concinnum** Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 21 (1889).—Hutchinson in op. cit. 781 (1930). *Azalea concinna* (Hemsl.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).

*Rhododendron yanthinum* Bureau & Franchet in Jour. de Bot. **5**: 94 (1891).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 518 (1913).

*Rhododendron Benthamianum* Hemsley in Kew Bull. **1907**: 319 (1907).

*Rhododendron coombense* Hemsley in Bot. Mag. **135**: t. 8280 (1909).

*Rhododendron atroviride* Dunn in Jour. Linn. Soc. Lond. Bot. **39**: 484 (1911).

*Rhododendron ioanthum* Balfour f. in Notes Bot. Gard. Edinb. **13**: 270 (1922).

**R. concinnum** var. *laetevirens* Cowan in Bot. Mag. **147**: t. 8912 (1938).

*Rhododendron laetevirens* Balfour f. ex Hutchinson in Rhodod. Soc., Spec. Rhodod. 781 (1930), pro syn.; non Rehder (1916).

- R. concinnum** var. **lepidanthum** (Rehd. & Wils.) Rehder in Jour. Arnold Arb. **20**: 424 (1939).  
*Rhododendron yanthinum* var. *lepidanthum* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 519 (1913).  
*Rhododendron concinnum* sensu Hutchinson in Bot. Mag. **141**: t. 8620 (1915), p. p. et quoad tab.; non Hemsley (1889).
- R. polylepis** Franchet in Bull. Soc. Bot. France, **33**: 232 (1886).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 521 (1913).  
*Rhododendron Harrovianum* Hemsley in Gard. Chron. ser. 3, **47**: 4 (1910).
- R. bracteatum** Rehder & Wilson in Sargent, Pl. Wilson. **1**: 519 (1913).—Hutchinson in Rhodod. Soc., Spec. Rhodod. **775** (1930).
- R. rubiginosum** Franchet in Bull. Soc. Bot. France, **34**: 282 (1887).—Hutchinson in Rhodod. Soc., Spec. Rhodod. **330** (1930).  
*Azalea rubiginosa* (Fr.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).
- R. heliolepis** Franchet in op. cit. **283** (1887).—Hutchinson in op. cit. **324** (1930).  
*Azalea heliolepis* (Fr.) Kuntze, l. c. (1891).  
*Rhododendron plebejum* Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. **10**: 136 (1917).
- R. saluenense** Franchet in Jour. de Bot. **12**: 263 (1898).—Stapf in Bot. Mag. **151**: t. 9095 (1926).—Hutchinson in op. cit. **599**, fig. (1930).  
 ?*Rhododendron chameunum* Balfour f. & Forrest in Notes Bot. Gard. Edinb. **13**: 37 (1920).  
*Rhododendron amaurophyllum* Balfour f. & Forrest in op. cit. **13**: 227 (1922).  
*Rhododendron humicola* Wilding, Rhodod. **47** (1923), nom. subnud.—Balfour f. msc. ex Notes in Bot. Gard. Edinb. **17**: 390, 395 (1930), nom.
- R. moupinense** Franchet in Bull. Soc. Bot. France, **33**: 233 (1886).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 525 (1913).—Hutchinson in Rhodod. Soc., Spec. Rhodod. **505**, fig. (1930).
- R. carolinianum** Rehder in Rhodora, **14**: 99 (1912).—Hutchinson in op. cit. **193** (1930).  
*Rhododendron punctatum*  $\beta$ . Ker in Bot. Reg. **1**: t. 37 (1815).  
*Rhododendron punctatum* sensu Small, Fl. Southeast. U. S. **884** (1903), non Andrews (1798).
- R. carolinianum** var. **album** (Rehd.) Rehder in Jour. Arnold Arb. **4**: 250 (1923).  
 ?*Rhododendron punctatum* var. *album* Kelsey, Wholesale Trade List Am. Pl. **1895-96**: 10 (1895), nom.—Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**4**]: 1523 (1902).  
*Rhododendron carolinianum* var. *Margarettae* Ashe in Rhodora, **23**: 177 (1921).
- R. carolinianum** var. **foliatum** Rehder in Jour. Arnold Arb. **7**: 33 (1926).
- R. minus** Michaux in Jour. Hist. Nat. Paris, **1**: 412 (1792); Fl. Bor.-Am. **1**: 258 (1803).—Rehder in Rhodora, **14**: 100 (1912).  
*Rhododendron punctatum* Donn, Hort. Cantabr. **49** (1786), nom.—Andrews, Bot. Repos. **1**: t. 36 (1798).—Gray, Syn. Fl. N. Am. **2**, **1**: 42 (1878).  
*Rhododendron parviflorum* Hort. ex De Candolle, Prodr. **7**: 723 [1839], pro syn.
- Azalea minor* (Mchx.) Kuntze, Rev. Gen. Pl. **2**: 386 (1891).  
*Rhododendron Cuthberti* Small in Torreyia, **2**: 9 (1902).
- R. Chapmanii** Gray in Proc. Am. Acad. Arts Sci. **12**: 61 (1876).—Rydberg in N. Am. Fl. **29**: 48 (1914).  
*Azalea Chapmanii* (A. Gray) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).
- R. myrtifolium** [*R. hirsutum*  $\times$  *minus*] Loddiges, Bot. Cab. **10**: t. 908 (1824).—Rehder in Bailey, Cycl. Am. Hort. [**4**]: 1523 (1902) "*R. punctatum*  $\times$  *hirsutum*."  
*Rhododendron ovalifolium* Hort. ex Rehder, l. c. (1902), pro syn.  
*Rhododendron ovatum* Hort. ex Rehder, l. c. (1902), pro syn.; non Planchon ex Maximowicz (1870).
- R. arbutifolium** [*R. ferrugineum*  $\times$  *minus*] Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**4**]: 1523 (1902), p. p.; "*R. ferrugineum*  $\times$  *punctatum*."  
*Rhododendron daphnoides* Hort. ex Lavallée, Arb. Segrez. **158** (1877), nom.—Hort. ex Rehder, l. c. (1902), pro syn.  
*Rhododendron Hamondi* Hort. ex Lavallée, l. c. (1877), nom.—Hort. ex Rehder, l. c. (1902) "*Hammondii*," pro syn.
- R. laetevirens** [*R. carolinianum*  $\times$  *ferrugineum*] Rehder in Bailey, Stand. Cycl. Hort. **6**: 3571, 3574 (1917) "? *ferrugineum*  $\times$  *minus*"; Man. Cult. Trees Shrubs, **689** (1927).  
*Rhododendron arbutifolium* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [**4**]: 1523 (1902), p. p.; Man. Cult. Trees Shrubs, **689** (1927), p. p.  
*Rhododendron Wilsoni* Hort. ex Rehder, l. c. (1902), pro syn.; non Nuttall ex Hooker (1859).  
*Rhododendron oleaeifolium* Hort. ex Rehder, l. c. (1902), pro syn.; non *oleifolium* Franchet (1886).  
*Rhododendron punctatum* Hort. ex Rehder, Man. Cult. Trees Shrubs, ed. 2, **708** (1940), pro syn.; non Andrews (1798).
- R. ferrugineum** Linnaeus, Sp. Pl. **392** (1753).—Hegi, Fl. Mittel-Eur. **5**, **3**: 1639, fig. 2655-9 [1926].—Hutchinson in Rhodod. Soc., Spec. Rhodod. **254**, fig. (1930).  
*Rhododendron germanicum* a. *ferrugineum* Hoppe in Flora, **20**: 187 (1837).  
*Plinthochroma ferrugineum* Dulac, Fl. Haut.-Pyrén. **419** (1867).  
*Azalea ferruginea* (L.) Kuntze, Rev. Gen. Pl. **2**: 386 (1891).  
*Chamaerhododendron ferrugineum* Bubani, Fl. Pyren. **2**: 5 (1900).
- R. ferrugineum** f. **variegatum** (Bean), grad. nov.  
*Rhododendron ferrugineum* var. *variegatum* [Nicholson] in Kew Hand-list Trees Shrubs, **2**: 61 (1896), nom.—Bean, Trees Shrubs Brit. Isl. **2**: 355 (1914).
- R. ferrugineum** f. **album** (D. Don) Zabel in Beissner et al., Handb. Laubh.-Ben. **375** (1903) (f.)  
*Rhododendron ferrugineum*  $\beta$ . *flore-albo* G. Don, Gen. Syst. Dichlam. Pl. **3**: 844 (1834).  
*Rhododendron ferrugineum* var. *album* D. Don in Sweet, Brit. Flow. Gard. ser. 2, **3**: t. 258 (1835).  
*Rhododendron ferrugineum*  $\beta$ . *albiflorum* De Candolle, Prodr. **7**, **2**: 724 (1839).—Braun-Blanquet in Hegi, Fl. Mittel-Eur. **5**, **3**: 1640 [1926] "f."
- R. ferrugineum** f. **atrococcineum** (Bean), grad. nov.  
*Rhododendron ferrugineum* var. *atrococcineum* [Nichol-

- Rhododendron ferrugineum** f. **atrococcineum** (continued)  
son] in Kew Hand-list Trees Shrubs, 2: 59 (1896), nom. — Zabel in Beissner et al., Handb. Laubh.-Ben., 375 (1903) "(f.)", nom. — Bean, Trees Shrubs Brit. Isl. 2: 355 (1914).
- R. ferrugineum** f. **plenum**, nom. nov.  
*Rhododendron ferrugineum* "flore pleno" A. Kerner in Oester. Bot. Zeitschr. 15: 285 (1865).
- R. ferrugineum** f. **erectum** (Millais), grad. nov.  
*Rhododendron ferrugineum* var. *erectum* Nicholson in Hand-list Trees Shrubs, 2: 61 (1896), nom. — Millais, Rhodod. 164 (1917).
- R. halense** (*R. ferrugineum* × *hirsutum*) Gremblich in Oester. Bot. Zeitschr. 24: 375 (1875).  
*Rhododendron intermedium* Tausch in Flora, 19: 36 (1836), non Wenderoth (1826).  
*Rhododendron germanicum* β. *intermedium* Hoppe in Flora, 20: 187 (1837).  
*Rhododendron ferrugineum* β. *intermedium* Dolliner, Enum. Pl. Austr. Inf. 84 (1842).  
*Rhododendron ferrugineo-hirsutum* F. Schultz in Arch. de Flore, 178 [1850?], 231 [1853?]. — Hayek, Fl. Steiermark, 2: 15 (1911), pro syn.  
*Rhododendron hirsutum* β. *intermedium* Brittinger in Verh. Zool.-Bot. Ges. Wien, 12: 1072 (1862).  
*Rhododendron hirsutiforme* Gremblich in Oester. Bot. Zeitschr. 24: 376 (1875).  
*Rhododendron intermedium* a. *Halense* Rouy in Rouy & Foucaud, Fl. France, 10: 117 (1908).  
*Rhododendron hirsutum* × *ferrugineum* F. Schultz, Arch. [de Flore] (1850) 178, 231 ex Wohlfarth in Koch, Syn. Fl. Deutschl. Schweiz, 2: 1936 (1902).  
*Rhododendron intermedium* β. *medium* Rouy, l. c. (1908).  
*Rhododendron intermedium* a. *hirsutiforme* Rouy, l. c. (1908).  
*Rhododendron ferrugineum* × *hirsutum* b. *halense*, Hayek, Fl. Steierm. 2, 1: 15 (1911).
- R. Kotschyi** Simonkai, Enum. Fl. Transsilv. 189 (1886). — Stapf in Bot. Mag. 152: t. 9132 (1928).  
*Rhododendron ferrugineum* Kitaibel in Waldstein & Kitaibel, Descr. Ic. Pl. Rar. Hung. 1: xxx (1802), nom.; non Linnaeus (1753).  
*Rhododendron alpinum* Lerchenfeld in Ziegler, De Re Silv. 30 (1806), nom. — Borbas in Természetr. Füzet. 24: 458 (1901), pro syn.  
*Rhododendron hirsutum* sensu Baumgarten, Enum. Stirp. Transsilv. 1: 366 (1816), non Linnaeus (1753).  
*Rhododendron myrtifolium* Schott & Kotschy in Flora, 9: 17 (1851), non Loddiges (1824).  
*Rhododendron ferrugineum* var. *myrtifolium* Schroeter, Pflanzenleb. Alp. 113 [1904]. — Domin in Preslia, 9: 19, t. 3 (1930).
- R. Kotschyi** f. **album** (Millais), comb. nov.  
*Rhododendron ferrugineum* var. *myrtifolium album* Millais, Rhodod. 164 (1917).
- R. hirsutum** Linnaeus, Sp. Pl. 392 (1753). — Hegi, Fl. Mittel-Eur. 5, 3: 1635, fig. 2652-4 [1926].  
*Rhododendron germanicum* e. *hirsutum* Hoppe in Flora, 20: 188 (1837).  
*Rhododendron hirsutum* a. *genuinum* Brittinger in Verh. Zool.-Bot. Ges. Wien, 12: 1072 (1862).  
*Azalea hirsuta* (L.) Kuntze, Rev. Gen. Pl. 2: 386 (1891).  
*Chamaerhododendron hirsutum* Bubani, Fl. Pyren. 2: 18 (1900).
- Rhododendron hirsutum* var. *ciliatum* Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1628 [1926].
- R. hirsutum** f. **variegatum** (G. Don), grad. nov.  
*Rhododendron hirsutum* β. *variegatum* G. Don, Gen. Hist. Dichlam. Pl. 3: 844 (1834) "leaves edged yellow."  
*Rhododendron hirsutum* (f.) *aureo-marginatum* Zabel in Beissner et al., Handb. Laubh.-Ben. 375 (1903), nom.
- R. hirsutum** f. **albiflorum** Goiran in Bull. Soc. Bot. Ital. 1893: 21 (1893) "f. *albiflora*", nom. subnud. — Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1638 [1926] "Goir. pro var."  
*Rhododendron hirsutum* var. *Schnetzler* in Bull. Soc. Vaud. Sci. Nat. 10: 692 (1868-70) "à fleurs blanches."  
*Rhododendron hirsutum* var. *albiflorum* Schröter in Ber. Schweiz. Bot. Ges. 13: 130 (1903); Pflanzenleb. Alp. 113 (1904).  
*Rhododendron hirsutum* f. *album* Zabel in Beissner et al., Handb. Laubh.-Ben. 375 (1903), nom. — Schinz & Keller, Fl. Schweiz, 2 (Krit. Fl.): 169 (1905).
- R. hirsutum** f. **glabratum** (Aschers. & Kuhn) Zabel in Beissner et al., Handb. Laubh.-Ben. 375 (1903). — Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1638 [1926].  
*Rhododendron hirsutum* var. *glabratum* Ascherson & Kuhn in Öster. Bot. Zeitschr. 14: 301 (1864).
- R. hirsutum** f. **microphyllum** (Briquet) Braun-Blanquet, l. c. [1926].  
*Rhododendron hirsutum* var. *microphyllum* Briquet in Bull. Labor. Bot. Gén. Genève, 1: 482 (1897).  
? *Rhododendron hirsutum* var. *parvifolium* L. Keller in Verh. Zool.-Bot. Ges. Wien, 49: 377 (1899).
- R. hirsutum** f. **dryadifolium** (Murr) Braun-Blanquet, l. c. [1926].  
*Rhododendron hirsutum* var. *dryadifolium* Murr in Deutsch. Bot. Monatschr. 15: 201, t. 5 (1897).
- R. hirsutum** f. **laciniatum** (Schröter) Braun-Blanquet, l. c., fig. 2652 [1926].  
*Rhododendron hirsutum* var. *albiflorum* lus. *laciniatum* Schröter in Ber. Schweiz. Bot. Ges. 13: 130, fig. 11 (1903); Pflanzenleb. Alp. 113, fig. 38 (1904).  
*Rhododendron hirsutum* var. *laciniatum* Bean, Trees Shrubs Brit. Isl. 2: 360 (1914).
- R. hirsutum** f. **latifolium** (Hoppe) Zabel in Beissner et al., Handb. Laubh.-Ben. 375 (1903). — Braun-Blanquet, l. c. [1926], in Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1638 [1926].  
*Rhododendron hirsutum* var. *latifolium* Hoppe in Flora, 5: 525 (1822). — Bean, Trees Shrubs Brit. Isl. 2: 360 (1914).
- R. hirsutum** var. **hispidissimum** Schröter in Ber. Schweiz. Bot. Ges. 14: 66 (1905).
- R. hirsutum** var. **fallax** Bornmüller in Mitt. Thüring. Bot. Ver. n. ser. 36: 48 (1925); isotypus in herb. Arnold Arb. sub nom. "*R. h. var. glabratum* Asch. & Kuhn subvar. *fallacinum* Bornm."
- R. hirsutum** var. **lasiopus** Brügger ex Schröter, Pflanzenleb. Alp. 113, fig. 39 [1904].
- R. glaucophyllum** Rehder in Jour. Arnold Arb. 26: 73 (1945).  
*Rhododendron glaucum* Hooker f., Rhodod. Sikkim-Himal. 18, t. 17 (1851). — Hutchinson in Rhodod. Soc.,

- Spec. Rhodod. 300, fig. (1930).—Non Sweet (1830).  
*Azalea glauca* (Hook. f.) Kuntze, Rev. Gen. Pl. 2: 387 (1891), non Lamarck (1791).
- R. myrtilloides** Balfour & Ward in Notes Bot. Gard. Edinb. 13: 276 (1922).—Bean, Trees Shrubs Brit. Isl. 3: 399, t. (1933).
- R. megeratum** Balfour f. & Forrest in Notes Bot. Gard. Edinb. 12: 140 (1920).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 165 (1930).  
*Rhododendron tapeinum* Balfour f. & Farrer in Notes Bot. Gard. Edinb. 12: 164 (1920).
- R. lepidotum** Wallich ex G. Don, Gen. Hist. Dichlam. Pl. 3: 845 (1834).—Hutchinson in op. cit. 442, fig. (1930).  
*Rhododendron salignum* Hooker f., Rhodod. Sikkim-Himal. 24A, t. 23, fig. sinist. (1851).  
*Azalea lepidota* (Wall.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- R. campylogynum** Franchet in Bull. Soc. Bot. France, 32: 10 (1885).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 183, fig. (1930).  
*Azalea campylogyna* (Fr.) Kuntze, l. c. (1891).  
*Rhododendron caeruleo-glaucum* Balfour f. & Forrest in Notes Bot. Gard. Edinb. 13: 34 (1920).  
*Rhododendron glauco-aureum* Balfour f. & Forrest in op. cit. 13: 46 (1920).  
*Rhododendron damascenum* Balfour f. & Forrest in op. cit. 13: 254 (1922).
- R. micranthum** Turczaninov in Bull. Soc. Nat. Moscou, 10: 155 (1837).—Wilson in Jour. Arnold Arb. 4: 42 (1923).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 500, fig. (1930).  
*Azalea micrantha* (Turcz.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).  
*Rhododendron Rosthornii* Diels in Bot. Jahrb. 29: 509 (1900).—Hutchinson, l. c. (1930), pro syn.  
*Rhododendron Pritzelianum* Diels in op. cit. 510 (1900).—Hutchinson, l. c. (1930), pro syn.
- R. cantabile** Balfour f. ex Hutchinson in Bot. Mag. 148: t. 8963 (1923).
- R. Websterianum** Rehder & Wilson in Sargent, Pl. Wilson. 1: 511 (1913).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 435 (1930).
- R. flavidum** Franchet in Jour. de Bot. 9: 395 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 512 (1913).—Hutchinson in op. cit. 405 (1930).  
*Rhododendron primulinum* Hemsley in Gard. Chron. ser. 3, 47: 4, 229, fig. 101 (1910).
- R. intricatum** Franchet in Jour. de Bot. 9: 395 (1895).—Rehder & Wilson in op. cit. 1: 505 (1913).—Hutchinson in op. cit. 409 (1930).  
*Rhododendron blepharocalyx* Franchet in op. cit. 396 (1895).—Hutchinson in op. cit. 393 (1930).  
*Rhododendron nigropunctatum* Veitch ex Gard. Chron. ser. 3, 41: 225 (1907), non Franchet (1891).
- R. lapponicum** (L.) Wahlenberg, Fl. Suec. 1: 249 (1824).—Ledebour, Fl. Ross. 2, 2: 920 (1846).—Rydberg, N. Am. Fl. 29: 48 (1914).  
*Azalea lapponica* Linnaeus, Sp. Pl. 151 (1753).
- R. hippophaeoides** Balfour & W. W. Smith in Notes Bot. Gard. Edinb. 13: 48 (1916).
- R. parvifolium** Adams in Nouv. Mém. Soc. Nat. Moscou, 3: 237 (1834).—E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 2) 63: 15, t. (1915).—Nakai, Fl. Sylv. Kor. 8: 29, t. 7 (1919).—Wilson in Jour. Arnold Arb. 4: 45 (1923).  
*Rhododendron ferrugineum* sensu Georgi, Bem. Reise Russ. Reich. 1: 213 (1775), nom., non Linnaeus (1753).  
*Azalea lapponica* sensu Pallas, Fl. Ross. 2: 52, t. [70] fig. 1, A, B, (1788) "*A. ferruginosa*" in tab.; non Linnaeus (1753); O° ed., 2: 98 (1790).  
*Rhododendron palustre* Turcz. in littl. ex De Candolle, Prodr. 7: 724 (1838), pro syn.  
*Rhododendron parviflorum* Ait. ex Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2 (Bot.): 158 (Reis. Amurl. Sachal.) (1868); sphalm. pro "*R. parvifolium* Adams."  
*Rhododendron parvifolium* f. *alpina* Glehn in Act. Hort. Petrop. 4: 66 (Verzeich. Witim-Olekma) (1876).  
*Azalea parvifolia* (Adams) Kuntze, Rev. Gen. Pl. 2: 387 (1891).  
*Rhododendron confertissimum* Nakai, Veg. Mt. Waigalbon, 36 (1916), nom.; Fl. Sylv. Kor. 8: 32, t. 8 (1919).
- R. impeditum** Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. 9: 239 (1916).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 408 (1930).  
*Rhododendron semanteum* Balfour f. ex Hutchinson, l. c. (1930), pro syn.
- R. fastigiatum** Franchet in Bull. Soc. Bot. France, 33: 234 (1886).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 507 (1913).  
*Rhododendron capitatum* Franchet in op. cit. 32: 9 (1885), non Maximowicz (1877).  
*Azalea fastigiata* (Fr.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- R. scintillans** Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. 9: 271 (1916).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 426 (1930).
- R. nitidulum** Rehder & Wilson in Sargent, Pl. Wilson. 1: 509 (1913).—Hutchinson in op. cit. 415 (1930).
- R. nitidulum** var. *nubigenum* Rehder & Wilson in op. cit. 510 (1913).
- R. drumonium** Balfour f. & Ward in Notes Bot. Gard. Edinb. 9: 226 (1916).—Hutchinson in op. cit. 402 (1930).
- R. achroanthum** Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. 9: 208 (1916).—Hutchinson in op. cit. 391 (1930).  
*Rhododendron propinquum* Tagg in Rhodod. Soc. Notes, 3: 30 (1925), nom.—Balfour & Ward ex Hutchinson, l. c. (1930), pro syn.
- Sect. III. POGONANTHUM G. Don, Gen. Hist. Dichlam. Pl. 3: 845 (1834).—Copeland in Am. Midland Nat. 30: 605 (1943) "subgen."  
*Rhododendron* sect. *Osmanthus* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16, 9: 14 (Rhodod. As. Or.) (1870), p. p.  
 SERIES cf. Hutchinson in Rhodod. Soc., Spec. Rhodod.: ser. *Cephalanthum* (p. 197), *Anthopogon* (p. 4) (1930).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 711 (1940), pro syn.
- R. Sargentianum** Rehder & Wilson in Sargent, Pl. Wilson. 1: 504 (1913).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 218 (1930).



**Rhododendron** (*continued*)

- R. cephalanthum** Franchet in Bull. Soc. Bot. France, **32**: 9 (1885).—Hutchinson in op. cit. 202 (1930).—Bean, Trees Shrubs Brit. Isl. **3**: 361, t. (1933).  
*Azalea cephalantha* (Fr.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).
- R. Adamsii** Rehder in Rehder & Wilson, Monog. Azal. 190 (1921).—Wilson in Jour. Arnold Arb. **4**: 47 (1923).  
*Azalea fragrans* Adams in Mém. Acad. Sci. St. Pétersb. **2**: 332, t. 14 (1808).  
*Azalea pallida* Turczaninov in Bull. Soc. Nat. Moscou, **1838** (11): 96 (1838), nom.  
*Osmothamnus fragrans* De Candolle, Prodr. **7**: 715 (1839).  
*Osmothamnus pallidus* De Candolle, l. c. (1839).  
*Rhododendron fragrans* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 16 (Rhodod. As. Or.) (1870), non Paxton (1843).  
*Asmotamnus pallidus* Krasnov in Scripta Bot. Hort. Univ. Petrop. **1**: 204 (1886), nom.; ?sphalm. pro *Osmothamnus*.  
*Rhododendron pallidum* Dümmer in Gard. Chron. ser. 3, **53**: 264 (1913, Apr. 27), non W. Watson (1913, Apr. 12).  
*Rhododendron Anthopogon* sensu E. Busch in N. Busch, Fl. Sibir. et Or. Extr. (pt. 2) **63**: 19, fig. (1915), non D. Don (1821).  
*Rhododendron Anthopogon* var. *fragrans* Fedtchenko, Fl. As. Ross. **9**: 15, fig. 3 (1916).
- R. Collettianum** Aitchison & Hemsley in Jour. Linn. Soc. Lond. Bot. **18**: 75 (1881); **19**: 175, t. 20 (1882).—Hutchinson in Rhodod. Soc., Spec. Rhodod. 6 (1930).
- R. anthopogon** D. Don in Mem. Werner. Nat. Hist. Soc. **3**: 409 (1821).—Hutchinson in op. cit. 5, fig. (1930).
- Sect. IV. RHODORASTRUM Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 15 (Rhodod. As. Or.) (1870).—Bentham & Hooker f., Gen. Pl. **2**: 601 (1876) "ser."—Drude in Nat. Pflanzenfam. IV. **1**: 37 (1889) "subgen."
- SERIES cf. Hutchinson in Rhodod. Soc., Spec. Rhodod.: ser. *Virgatum* (p. 827), *Dauricum* (p. 224) (1930).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 711 (1940), pro syn.
- R. racemosum** Franchet in Bull. Soc. Bot. France, **33**: 235 (1886).—Tagg in Rhodod. Soc. Notes, **3**: 228, 230 (1928).—Rehder in Jour. Arnold Arb. **15**: 274 (1934).  
*Rhododendron motsuense* Léveillé in Repert. Sp. Nov. Reg. Veg. **13**: 148 (1914) "motsonense" sphalm.  
*Rhododendron crenatum* Léveillé in Bull. Acad. Intern. Géog. Bot. **25**: 20 (1915).
- R. spinulosum** (*R. racemosum* × *spinuliferum*) W. Watson ex Bean, Trees Shrubs Brit. Isl. **3**: 420 (1933).
- R. dauricum** Linnaeus, Sp. Pl. 392 (1753).—De Candolle, Prodr. **7**: 725 (1839) "*dahuricum*."—Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 189 (Prim. Fl. Amur.) (1859) "*davuricum*."—E. Busch in N. Busch, Fl. Sibir. et Or. Extr. (pt. 2) **63**: 29, fig. A, t. (1915).—Wilson in Jour. Arnold Arb. **4**: 48 (1923).  
*Rhododendron dahuricum* β. *roseum* De Candolle, Prodr. **7**: 725 (1839).  
*Rhododendron dauricum* var. *pallidum* Regel in Gartenfl. **11**: 377 (1862).  
*Rhododendron dauricum* a. *dauricum* Maximowicz in

- Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 44 (Rhodod. As. Or.) (1870).  
*Azalea dahurica* K. Koch, Dendr. **2**: 181 (1872).  
*Rhododendron dahuricum* a. *genuinum* Herder in Act. Hort. Petrop. **1**: 347 (1872).  
*Azalea daurica* (L.) Kuntze, Rev. Gen. Pl. **2**: 387 (1891).  
*Rhodora canadensis* sensu Beziat in Jardin, **20**: 57, fig. 31, 32 (1906), non Linnaeus (1753).
- R. dauricum** var. *sempervirens* Sims in Bot. Mag. **44**: t. 1888 (1817, Feb.) "(β.)"—Wilson in Jour. Arnold Arb. **4**: 49 (1923).  
*Rhododendron dauricum* β. *atrovirens* Ker in Bot. Reg. **3**: t. 194 (1817, May).
- R. praecox** (*R. ciliatum* × *dauricum*) Carrière in Rev. Hort. **1868**: 211, t. (1868).—Wilson in op. cit. 51 (1923).  
*Rhododendron ciliato-dahuricum* Carrière in op. cit. **1874**: 200 (1874).
- R. praecox** f. *rubrum* [Wats.] Wilson in op. cit. 52, in textu (1923).  
*Rhododendron praecox rubrum* W[atson] in Garden, **38**: 32, t. 761 (1890).
- R. mucronulatum** Turczaninov in Bull. Soc. Nat. Moscou **1837**(10), **6**: 155 (1837).—Nakai, Fl. Sylv. Kor. **8**: 35, t. 10 (1919).  
*Rhododendron dauricum* sensu Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 189 (Prim. Fl. Amur.) (1859), p. p.; non Linnaeus (1753).  
*Rhododendron dauricum* β. *mucronulatum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 44 (Rhodod. As. Or.) (1870).—Wilson in Jour. Arnold Arb. **4**: 50 (1923) "var."  
*Rhododendron Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 101 (1913).  
*Rhododendron mucronulatum* var. *Taquetii* Nakai, Rep. Veg. Quelpaert, 71 (1914), nom.
- R. mucronulatum** var. *ciliatum* Nakai, Fl. Sylv. Kor. **8**: 37 (1919).  
*Rhododendron dauricum* var. *ciliatum* Wilson in Jour. Arnold Arb. **4**: 51 (1923).
- R. mucronulatum** f. *acuminatum* (Hutchins.), grad. nov.  
*Rhododendron mucronulatum* var. *acuminatum* Hort. ex Hutchinson in Rhodod. Soc., Spec. Rhodod. 227 (1930).  
*Rhododendron acuminatum* Hort. ex Hutchinson, l. c. (1930), pro syn.; non Hooker f. (1852).
- Subgen. AZALEODENDRON [subgen. *Anthodendron* × *Eurhododendron*] Rodigas in Ill. Hort. **39**: 53 (1892).—Rehder in Wilson & Rehder, Monog. Azal. 188 (1921).  
*Rhododendro-Azalea* Herbert, Amaryllid. 360 (1837), nom. obiter citat.  
*Rhodazalea* Croux & fils in Jour. Soc. Hort. France, sér. 4, **9**: 328 (1908).
- R. azaleoides** [*R. nudiflorum* ? × *ponticum*] Hort. Lond. ex Dumont de Courset, Bot. Cult. ed. 2, **3**: 327 (1811); **7**: 165 (1814).—Rehder in Wilson & Rehder, Monog. Azal. 188 (1921).  
*Rhododendron ponticum* var. *deciduum* Andrews, Bot. Rep. **6**: t. 379 (1801).  
*Rhododendron ponticum* β. *subdeciduum* "A. R." ex Sweet, Hort. Brit. 264 (1826).

*Rhododendron ponticum* b. *azaleoides*, Loudon, Arb. Brit. 2: 1131 (1838).

*Rhododendron azaleoides inodorum* André, Pl. Terr. Bruy. 162 (1864).

#### HYBRIDAE AFFINES:

**Rhododendron Gowenianum** (*R. nudiflorum* × [*catawbiense* × *ponticum*]) Sweet, Brit. Flow. Gard. 3: t. 263 (1828).—Rehder in Wilson & Rehder, Monog. Azal. 189 (1921), cum syn.

**R. gemmiferum** [*R. catawbiense* × *roseum*] Hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 379 (1903), nom.—Bean, Trees & Shrubs Brit. Isl. 2: 358 (1914).—Rehder in Wilson & Rehder, Monog. Azal. 189 (1921), cum syn.

**R. Cartonianum** (*R. catawbiense* × *nudiflorum*) De Candolle, Prodr. 7, 2: 727 (1839).—Rehder, l. c. (1921), cum syn.

**R. hybridum** [*R. maximum* × *viscosum*] Ker in Bot. Reg. 3: t. 195 (1817).—Rehder, l. c. (1921).

*Rhododendron hybridum glaucum* Herbert ex Sims in Bot. Mag. 49: t. 2308, in textu (1822), pro syn.

*Rhododendron ponticum azaleoides* 2. *odoratum* Loudon, Arb. Brit. 2: 1131 (1838).

*Rhododendron maximum* β. *R. bigener* Hort. ex Steudel, Nomencl. Bot. ed. 2, 2: 450 (1841).

*Rhododendron fragrans* Hort. ex Steudel, l. c. (1841), pro syn.—Anon. in Jour. Hort. ser. 3, 49: 489 fig. (1904).—Non Paxton (1843).

*Rhododendron hybridum bigener* Lindley ex Steudel, l. c. (1841), pro syn.

*Rhododendron odoratum* Loddiges ex Steudel, l. c. (1841), pro syn.

*Rhododendron azaleoides odoratum* André, Pl. Terr. Bruy. 162 (1864).

*Azalea odorata* Hort. ex Goldring in Gard. Chron. ser. 3, 8: 25 (1890).

*Rhododendron azaleoides* Bean, Trees Shrubs Brit. Isl. 2: 344 (1914), non Dumont de Courset (1811).

**R. fragrans** [*R. catawbiense* × *viscosum*] Paxton in Paxton's Mag. Bot. 10: 147, t. (1843).—Rehder in Wilson & Rehder, Monog. Azal. 190 (1921).

?*Rhododendron elegantissimum* Davies ex R. D. in Gard. Chron. ser. 2, 12: 200 (1879).

**R. norbitonense** [*molle* × (*maximum* × *ponticum*)] Smith ex André, Pl. Terr. Bruy. 166 (1864); in Rev. Hort. 1893: 372 (1893).

"Norbiton hybrids" Hort. ex Masters in Gard. Chron. ser. 3, 13: 665 (1893).—Rehder in Wilson & Rehder, Monog. Azal. 193 (1921).

**R. norbitonense** var. *aureum* (Paxt.) Rehder, l. c. (1921).

*Rhododendron Smithii aureum* Paxton in Paxton's Mag. Bot. 9: 79, t. & fig. (1842).—Wilson in Wilson & Rehder, Monog. Azal. 98 (1921).

**R. norbitonense** var. *broughtonianum* (André) Rehder in Wilson & Rehder, Monog. Azal. 194 (1921).

*Rhododendron Broughtonianum* André, Pl. Terr. Bruy. 166 (1864); in Rev. Hort. 1893: 370 (1893).

*Rhododendron Broughtonii aureum* Hort. ex W. Watson, Rhodod. & Azal. 93 (1911).—Wilson in Wilson & Rehder, Monog. Azal. 99 (1921).

**R. azaleodendron** [*R. japonicum* × *Eurhododendron* "hybrids"] Vilmorin & Bois, Frutic. Vilmor. 175

(1904).—Rehder in Wilson & Rehder, Monog. Azal. 194 (1921).

Subgen. II. **AZALEASTRUM** (Planch.) Drude in Nat. Pflanzenfam. IV 1: 37[1889].

*Rhododendron* sect. *Azaleastrum* Planchon in Fl. des Serr. 9: 75 (1853), nom. subnud.—Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 229 (in Mém. Biol. 7: 337. 1870) (Diagn. Brev. Pl. Nov. As. dec. 7) (1870, June). *Azaleastrum* Rydberg in Mem. New York Bot. Gard. 1: 27 (1900); in N. Am. Fl. 29: 45 (1914).—Copeland in Am. Midland Nat. 30: 601 (1943).

SERIES cf. Rehder in Rhodod. Soc., Spec. Rhodod.: ser. *Albiflorum* (p. 1), *Semibarbatum* (p. 601) (1930); Man. Cult. Trees Shrubs, ed. 2, 712 (1940), pro syn.

**R. albiflorum** Hooker, Fl. Bor.-Am. 2: 43, t. 133 [1834].—Rehder in Rhodod. Soc., Spec. Rhodod. 3, fig. (1930).

*Azalea albiflora* Kuntze, Rev. Gen. Pl. 1: 387 (1891).

?*Cladothamnus campanulatus* Greene in Erythea, 3: 65 (1895).

**R. albiflorum** f. *plenum* Rehder in Mitt. Deutsch. Bot. Ges. 1907(16): 75 [1908].

*Rhododendron albiflorum* "with double flowers" Rehder in Bot. Gaz. 43: 281 (1907).

**R. semibarbatum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 229 (in Mém. Biol. 7: 338. 1870) (Diagn. Brev. Pl. Nov. As. dec. 7) (1870, June).—Nakai in Nakai & Koidzumi, Trees Shrubs Jap. ed. 2, 76, fig. 34 (1927).—Rehder in Rhodod. Soc., Spec. Rhodod. 609, fig. (1930).

*Azalea semibarbata* Kuntze, Rev. Gen. Pl. 2: 387 (1891).

*Azaleastrum semibarbatum* Makino in Bot. Mag. Tokyo, 28: 338 (1914).

*Mumeazalea semibarbata* Makino, l. c. (1914), pro syn.

Subgen. III. **ANTHODENDRON** (Reichenb.) Rehder in Wilson & Rehder, Monog. Azal. 22 (1921).

*Azalea* Linnaeus, Sp. Pl. 150 (1753), quoad sp. 1–4.—Desvaux in Jour. de Bot. (Desvaux) 1: 35 (1813).—Rehder in Jour. Arnold Arb. 2: 158 (1921).

*Anthodendron* Reichenbach in Moessler, Handb. Gewächsk. 1: 244, 308 (1827); Fl. Germ. Excurs. 416 (1831).

*Rhododendron* a. *Anthodendron* Endlicher, Gen. Pl. 759 [1839].—Zabel in Mitt. Deutsch. Dendr. Ges. 1902 (11): 26 (1902) "sect."

*Rhododendron* subgen. *Azalea* Planchon in Rev. Hort. 1854: 43 (1854).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 229 (in Mém. Biol. 7: 337. 1870) (1870, June) "sect."; in Mém. Acad. Sci. St. Pétersb. sér. 7, 16, 9: 24 (1870) "sect."

Sect. I. **TSUTSUTSI** G. Don, Gen. Hist. Dichlam. Pl. 3: 845 (1834), exclud. sp. no. 30, 31, 36, 39.—Wilson in Wilson & Rehder, Monog. Azal. 22 (1921).

*Azalea* Linnaeus, Sp. Pl. 150 (1753), quoad sp. no. 1.

*Tsutsutsi* Adanson, Fam. Pl. 2: 164 (1763).

*Loiseleria* Reichenbach, Fl. Germ. Excurs. 1: 416, nota (1830), non *Loiseleria* Desvaux (1813).

*Beverinckia* Salisbury ined. ex De Candolle, Prodr. 7, 2: 726 (1839), pro syn.

*Rhododendron* sect. *Toutousi* G. Don ex Duchartre in Orbigny, Dict. Univ. Hist. Nat. 11: 120 (1849), sphalm. pro *Tsutsutsi*.

*Rhododendron* sect. *Tsutsia* Planchon in Fl. des Serr. 9: 76 (1854), exclud. sp. nonnull.

Sect. I. TSUTSUTSI (*continued*)

- Rhododendron* sect. *Tsutsugi* Miquel, Fl. Ind. Bat. 2: 1059 (1857).
- Rhododendron* sect. *Tsusia* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16, 9: 32 (Rhodod. As. Or.) (1870), exclud., sp. no. 17.
- Azalea* subgen. *Tsutsutsi* K. Koch, Dendr. 2, 1: 171 (1872).
- SERIES cf. Rehder in Rhodod. Soc., Spec. Rhodod.: ser. *Azalea* subser. *Obtusum* (p. 75) (1930); Man. Cult. Trees Shrubs, ed. 2, 713 (1940), pro syn.
- R. Tschonoskii** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16, 9: 42, t. 3, fig. 8b-14 (Rhodod. As. Or.) (1870).—Wilson in Wilson & Rehder, Monog. Azal. 55 (1921).
- Azalea Tschonoskii* Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- Rhododendron trinerve* Franchet herb. ex Boissieu in Bull. Herb. Boissier, 5: 920 (1897).
- Rhododendron Tschonoskii* a. *typicum* a. *pentamerum* Makino in Bot. Mag. Tokyo, 18: 66 (1904).
- Rhododendron Tschonoskii* β. *trinerve* a. *pentamerum* Makino, l. c. (1904).
- R. Tschonoskii** f. *tetramerum* (Makino) Rehder, Man. Cult. Trees Shrubs 692 (1927).
- Rhododendron Tschonoskii* a. *typicum* b. *tetramerum* Makino in Bot. Mag. Tokyo, 18: 66 (1904).
- Rhododendron Tschonoskii* β. *trinerve* b. *tetramerum* Makino, l. c. (1904).
- Rhododendron Tschonoskii* var. *tetramerum* Komatsu in Bot. Mag. Tokyo, 32: (15) (1918).
- Rhododendron trinerve* sensus Nakai, Trees Shrubs Jap. 1: 84, fig. 48 (1922), non Boissieu (1897).
- Rhododendron Tschonoskii* Nakai, Trees Shrubs Jap. rev. ed. 1: 111, fig. 53 (1927), quoad fig. 53b.
- R. microphyton** Franchet in Bull. Soc. Bot. France, 33: 235 (1886).—Wilson in Wilson & Rehder, Monog. Azal. 57 (1921).—Rehder in Rhodod. Soc., Spec. Rhodod. 91, fig. (1930) "*microphyton*."
- Azalea microphyta* (Fr.) Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- R. indicum** (L.) Sweet, Brit. Flow. Gard. ser. 2, 2: t. 128 in textu (1833).—Wilson in Wilson & Rehder, Monog. Azal. 22 (1921).—Nakai, Trees Shrubs Jap. 94 (1922), p. p.
- Azalea indica* Linnaeus, Sp. Pl. 150 (1753).
- Azalea indica* var. b. *spatulata* et d. *angustifolia* et e. *floribunda* Blume, Bijdr. Fl. Nederl. Ind. 852-853 (1826).
- Azalea macrantha* Bunge in Mém. Sav. Étr. Acad. Sci. St. Pétersb. 2: 115 (Enum. Pl. Chin. Bor. 41. 1833) (1835).—De Candolle, Prodr. 7, 2: 718 (1839) "*A. ? m.*"
- Azalea indica* var. *lateritia* Lindley in Bot. Reg. 20: t. 1700 (1834).
- Rhododendron macranthum* G. Don, Gen. Hist. Dichlam. Pl. 3: 846 (1834).—Nakai, Trees Shrubs Jap. rev. ed. 1: 127 (1927).
- Rhododendron decumbens* D. Don ex G. Don, l. c. (1834).
- Azalea Danielsiana* Paxton in Paxton's Mag. Bot. 1: 129, t. (1834) "*A. indica Danielsiae*" in tab.
- Rhododendron indicum* δ. *lateritium* De Candolle, Prodr. 7, 2: 726 (1839).—Rehder in Mitt. Deutsch. Dendr. Ges. 1916(24): 225 [1917].
- Azalea decumbens* De Candolle, op. cit. 718 (1839).
- Rhododendron Breynii* Planchon in Fl. des Serr. 9: 77 (1854).
- Rhododendron Danielsianum* Planchon in op. cit. 79 (1854).—Nakai, Trees Shrubs Jap. rev. ed. 1: 128 (1927).
- Rhododendron lateritium* Planchon in op. cit. 80 (1854).—Nakai, op. cit. 124, fig. 59 (1927).
- Rhododendron Sieboldii* β. *serrulatum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 33 (1863).
- Azalea Breynii* André in Belg. Hort. 15: 183 (1865).
- Azalea lateritia* Hort. ex André in op. cit. 185 (1865).
- Rhododendron indicum* γ. *macranthum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16, 9: 39 (Rhodod. As. Or.) (1870).
- Rhododendron indicum* γ. *macranthum* a. *macranthum genuinum* Maximowicz l. c. (1870).
- Rhododendron indicum* γ. *macranthum* b. *lateritium* Maximowicz, l. c. (1870).
- Rhododendron lateritium* var. *brachytrichum* Nakai in Bot. Mag. Tokyo, 29: (261) (1915), nom.
- Rhododendron hannoense* Nakai, l. c. (1915), nom.; Trees Shrubs Jap. 98, fig. 54 (1922).—Wilson in Wilson & Rehder, Monog. Azal. 23 (1921). "*hannoense*," pro syn.
- Rhododendron indicum* var. *brachytrichum* Komatsu in Bot. Mag. Tokyo, 31: (18) (1918).
- R. indicum** f. *laciniatum* Makino in Bot. Mag. Tokyo, 27: 110 (1910) "γ. *macranthum* subvar. b. *lateritium* f. *l.*"—Wilson in Wilson & Rehder, Monog. Azal. 27 (1921).
- R. indicum** f. *balsaminaeflorum* (Carr.), grad. nov.
- Azalea Rollissoni* T. Moore in Florist & Pomol. 1878: 35, fig. (1878).
- Azalea rosaeiflora* R. Dean in Floral Mag. 19: t. 418 (1880).
- Azalea balsaminaeflora* Carrière in Rev. Hort. 1882: 432, t. (1882).
- Rhododendron indicum* var. *balsaminaeflorum* (Carr.) Nicholson in Kew Hand-list Trees Shrubs, 2: 53 (1896).—Wilson in Wilson & Rehder, Monog. Azal. 26 (1921).
- Azalea indica* var. *rosiflora* Rehder in Bailey, Cycl. Am. Hort. [1]: 122 (1900).—Olmsted, Coville & Kelsey, Stand. Pl. Names, 26 (1924) "*rosaeiflora*."
- Rhododendron amoenum* (f.) *balsaminaeflorum* (Carr.) Zabel in Beissner et al., Handb. Laubh.-Ben. 384 (1903).
- Rhododendron indicum* var. *rosiflorum* Rehder in Bailey, Stand. Cycl. Hort. 5: 2944 (1916).
- Rhododendron indicum* *Rollissoni* Millais, Rhodod. 193 (1917).
- Azalea indica balsaminaeflora* Kelsey & Dayton, Stand. Pl. Names, ed. 2, 32 (1942).
- R. indicum** f. *crispiflorum* (Hook.), grad. nov.
- Azalea crispiflora* Hooker in Bot. Mag. 79: t. 4726 (1853).
- Azalea indica crispiflora* Van Houtte in Fl. des Serr. 9: 79, t. (1854).
- Rhododendron crispiflorum* Planchon in op. cit. 9: 83 (1854).
- Rhododendron indicum* var. *crispiflorum* (Hook.) Schneider, Ill. Handb. Laubh. 2: 506 (1911).—Wilson in Wilson & Rehder, Monog. Azal. 27 (1921).
- R. obtusum** (Lindl.) Planchon in Fl. des Serr. 9: 80 (1854).—Wilson in Wilson & Rehder, Monog. Azal. 29 (1921).—Nakai, Trees Shrubs Jap. rev. ed. 1: 117, fig. 56 (1927).

- Azalea indica* sensu Thunberg, Fl. Jap. 84 (1784), p. p.; non Linnaeus (1753).
- Azalea obtusa* Lindley in Jour. Hort. Soc. Lond. 1: 152 (1846).
- Rhododendron Thunbergii* Planchon in Fl. des Serr. 9: 78 (1854).
- Rhododendron Sieboldii* 2° minor Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 33 (1863); 2: 164 (Prol. Fl. Jap. 96) (1866).
- Azalea Thunbergii* André in Belg. Hort. 15: 184 (1865).
- Rhododendron indicum*  $\delta$  *obtusum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 40 (Rhodod. As. Or.) (1870).
- Azalea indica* var. *obtusum* Rehder in Bailey, Cycl. Am. Hort. [1]: 122 (1900).
- Rhododendron amoenum* var. *obtusum* Zabel in Mitt. Deutsch. Dendr. Ges. 1902(11): 35 (1902); in Beissner et al., Handb. Laubh.-Ben. 383 (1903) "Hauptform."
- Rhododendron indicum* *Kirishima* Millais, Rhodod. 193 (1917).
- Rhododendron obtusum* f. *a. Honkirishima* Komatsu in Bot. Mag. Tokyo, 32: (39) (1918).
- R. obtusum** f. *album* (Mottet) Schneider, Ill. Handb. Laubh. 2: 506 (1911).—Wilson in Wilson & Rehder, Monog. Azal. 31 (1921).
- Azalea ramentacea* Lindley in Jour. Hort. Soc. Lond. 4: 291, fig. (1849).
- Rhododendron ramentaceum* Planchon in Fl. des Serr. 9: 81 (1854).
- Azalea obtusa alba* Veitch ex Mottet in Nicholson & Mottet, Dict. Prat. Hort. 1: 303 [1892].
- Rhododendron indicum* *obtusum album* Anon. in Gard. & For. 9: 394, fig. 52 (1896).
- Azalea indica* var. *obtusum alba* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 122 (1900).
- Azalea amoena alba* Anon. in Möller's Deutsch. Gärt.-Zeit. 18: 476, fig. (1903).
- R. obtusum** f. *japonicum* (Maxim.) Wilson in Wilson & Rehder, Monog. Azal. 33 (1921).
- Rhododendron indicum*  $\epsilon$ . *amoenum a. japonicum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 41 (Rhodod. As. Or.) (1870).—Makino in Bot. Mag. Tokyo, 22: 56 (1908) "*R. i.* var. *j.*"
- Rhododendron Kaempferi* var. *japonicum* Rehder in Sargent, Trees & Shrubs, 2: 30 (1907).
- Rhododendron kiusianum* Makino in Bot. Mag. Tokyo, 27: 174 (1914).—Nakai, Trees Shrubs Jap. rev. ed., 1: 115, fig. 55 (1927).
- Rhododendron amoenum* var. *japonicum* Bean, Trees Shrubs Brit. Isl. 2: 341 (1914).
- Rhododendron obtusum* sensu Miyazawa in Bot. Mag. Tokyo, 32: (318) (1918), non Planchon (1854).
- R. obtusum** f. *amoenum* (Lindl.) Komatsu in Bot. Mag. Tokyo, 32: (41) (1918) "*amoenum*."—Wilson in Wilson & Rehder, Monog. Azal. 32 (1921).
- Azalea amoena* Lindley in Paxton's Flow. Gard. 3: 81, t. 89 (1852).
- Rhododendron amoenum* Planchon in Fl. des Serr. 9: 80 (1854).
- Rhododendron indicum*  $\epsilon$ . *amoenum d. genuinum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 41 (Rhodod. As. Or.) (1870).
- Azalea amoena* (var.) *Caldwelli* Caldwell ex Van Geert, Icon. Azal. Ind. 45, t. 18 (1882).
- Azalea indica* var. *amoena* Rehder in Bailey, Cycl. Am. Hort. [1]: 122 (1900).
- Rhododendron amoenum* var. *euamoenum* Zabel in Mitt. Deutsch. Dendr. Ges. 1902(11): 35 (1902).
- Rhododendron amoenum* f. *typicum* Zabel in Beissner et al., Handb. Laubh.-Ben. 383 (1903).
- Rhododendron Kaempferi* var. *amoenum* Rehder in Sargent, Trees & Shrubs, 2: 30 (1907).
- Rhododendron obtusum* var. *amoenum* Rehder in Bailey, Stand. Cycl. Hort. 5: 2944 (1916); 6: 3574 (1917).
- R. obtusum** var. *Kaempferi* (Planch.) Wilson in Wilson & Rehder, Monog. Azal. 38 (1921).
- Azalea indica* sensu Thunberg, Fl. Jap. 84 (1784), p. p.; non Linnaeus (1753).
- Rhododendron Kaempferi* Planchon in Fl. des Serr. 9: 77 (1854).—Nakai Trees Shrubs Jap. rev. ed., 1: 133, fig. 63 (1927).
- Rhododendron Sieboldii* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 33 (1863), exclud. var.; 2: 164 (Prol. Fl. Jap. 96) (1866).
- Azalea Kaempferi* André in Belg. Hort. 15: 184 (1865).
- Rhododendron indicum* *a. Kaempferi* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 38 (Rhodod. As. Or.) (1870).—Zabel in Beissner et al., Handb. Laubh.-Ben. 383 (1903) "Hauptform."
- Azalea indica* var. *Kaempferi* Rehder in Bailey, Cycl. Am. Hort. [1]: 122 (1900).
- Rhododendron scabrum* var. *Kaempferi* Nakai in Bot. Mag. Tokyo, 33: 208 (1919).
- R. Sanderi** (*R. obtusum*  $\times$  *Simsii*) Wilson & Rehder, Monog. Azal. 43 (1921).—Rehder in Wilson & Rehder, Monog. Azal. 187 (1921).
- R. serpyllifolium** (Gray) Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 165 (Prol. Fl. Jap. 97) (1866).—Wilson in op. cit. 53 (1921).
- Azalea* ? *serpyllifolia* Gray in Perry, Narr. Exped. China Jap. 2: 315 (1857).
- R. Simsii** Planchon in Fl. des Serr. 9: 78 (1854).—Wilson in Wilson & Rehder, Monog. Azal. 45 (1921).
- Azalea indica* sensu Aiton f., Hort. Kew. ed. 2, 1: 318 (1810), non Linnaeus (1753).—Sims in Bot. Mag. 36: t. 1480 (1812).
- Azalea indica a. punicea* Sweet, Hort. Brit. 264 (1827).
- Rhododendron indicum* var. *ignescens* Sweet, Brit. Flow. Gard. ser. 2, 2: t. 128 (1832).
- Rhododendron indicum a. puniceum* Sweet, l. c. in textu (1832).
- Azalea indica ignescens* Hovey in Mag. Hort. Bot. (Hovey) 3: 72 (1837).
- Rhododendron Calleryi* Planchon in Fl. des Serr. 9: 81 (1854).
- Rhododendron indicum*  $\beta$ . *Simsii* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 38 (Rhodod. As. Or.) (1870).
- Rhododendron indicum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 25 (1889), quoad pl. chin.; non Linnaeus (1753).
- Azalea indica* var. *Simsii* Rehder in Bailey, Cycl. Am. Hort. [1]: 122 (1900).
- Rhododendron indicum* var. *Tamurai* Makino in Bot. Mag. Tokyo, 18: 102, fig. (1904); 24: 77 (1910) "*\gamma*. *macranthum* subvar. *genuinum* f. *T.*"
- Rhododendron indicum* var. *formosanum* Hayata, Icon. Pl. Formos. 3: 134 (1913).
- Rhododendron macranthum* sensu Nakai, Trees Shrubs Jap. rev. ed., 1: 127 (1927), p. p.; non G. Don (1834).
- Azalea Simsii* Copeland in Am. Midland Nat. 30: 597 (1943).

**Rhododendron** (continued)

- R. yedoense** Maximowicz in Regel in Gartenfl. **35**: 565, t. 1233a-b (1886).—Wilson in Wilson & Rehder, Monog. Azal. 64 (1921).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 141, fig. 68A (1927).  
*Azalea Yodogawa* Truffaut in Jour. Hort. Soc. France, sér. 4, **8**: 189 (1907).—Grignan in Rev. Hort. n. sér. **8**: 425, fig. 2 (1908).  
*Rhododendron Yodogawa* Kunert in Gartenwelt, **16**: 163, t. (1912).  
*Rhododendron phoeniceum* sensu Matsumura, Index Pl. Jap. **2,2**: 463 (1912), non G. Don (1834).  
*Rhododendron poukhanense* var. *yodogawa* Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 225 [1916].  
*Rhododendron poukhanense* var. *plenum* Nakai in Bot. Mag. Tokyo, **31**: 245 (1917); Fl. Sylv. Kor. **8**: 47 (1919).  
*Rhododendron Matsumurai* Komatsu in Bot. Mag. Tokyo, **32**: (13) (1918).
- R. yedoense** var. *poukhanense* Nakai in Bot. Mag. Tokyo, **34**: (274) (1920); Trees Shrubs Jap. rev. ed., **1**: 142, fig. 68b (1927).—Wilson in Wilson & Rehder, Monog. Azal. 65 (1921).  
*Rhododendron ledifolium* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 28 (1889), exclud. syn.; quoad plant. e Corea; non G. Don (1834).  
*Rhododendron indicum* var. *Simsii* sensu Palibin in Act. Hort. Petrop. **18**: 150 (Consp. Fl. Kor. **2**: 4) (1900), non Maximowicz (1870).  
*Rhododendron poukhanense* Léveillé in Repert. Sp. Nov. Reg. Veg. **5**: 100 (1908).—Nakai, Fl. Sylv. Kor. **8**: 47, t. 18 (1919).  
*Rhododendron hallaisanense* Léveillé in op. cit. **12**: 101 (1913).  
*Rhododendron coreanum* Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 259 [1914].  
*Azalea poukhanensis* Olmsted, Coville & Kelsey, Standard. Pl. Names 27 (1923).
- R. scabrum** G. Don, Gen. Hist. Dichlam. Pl. **3**: 846 (1834).—Wilson in Wilson & Rehder, Monog. Azal. 59 (1921).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 161 fig. 78 (1927).  
*Rhododendron indicum* sensu Hooker & Arnott, Bot. Beechey Voy., 266 (1841), non Sweet (1833).  
*Rhododendron Jodogawa* Hort. ex Hasskarl, Cat. Pl. Hort. Bogor. Alt. 162 (1844).  
*Rhododendron indicum* β. *sinensis* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 33 (1863).  
*Rhododendron sublaceolatum* Miquel in op. cit. **2**: 163 (Prol. Fl. Jap. 95) (1866).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 159, fig. 77 (1927).  
*Rhododendron ledifolium* β. *purpureum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 36 (Rhodod. As. Or.) (1870), p. p.  
*Azalea sublaceolata* Kuntze, Rev. Gen. Pl. **2**: 387 (1891).  
*Rhododendron indicum* var. *sublaceolatum* Makino in Bot. Mag. Tokyo, **18**: 100 (1904).  
*Rhododendron sublateralitum* Komatsu in Bot. Mag. Tokyo, **32**: (12) (1918), nom.  
*Rhododendron liukiuense* Komatsu, l. c. (1918), nom.
- R. pulchrum** [*scabrum* × ? *mucronatum*] Sweet, Brit. Flow. Gard. ser. 2, **2**: t. 117 (1832).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 153, fig. 73 (1927).  
*Rhododendron indicum* γ. *Smithii* Sweet, Hort. Brit. ed. 2, 343 (1830), nom.
- Rhododendron indicum* var. β. *pulchrum* G. Don, Gen. Hist. Dichlam. Pl. **3**: 845 (1834).  
*Azalea indica hybrida* Loudon in Garden Mag. (Loudon), n. ser., **1**: 326 (1835), "*A. phoenicea* × *ledifolia*."  
*Rhododendron phoeniceum* f. *Smithii* Wilson in Wilson & Rehder, Monog. Azal. 62 (1921).
- R. pulchrum** var. *phoeniceum* (Sweet) Rehder in Jour. Arnold Arb. **7**: 33 (1926).  
*Azalea indica* var. γ. *Sims* in Bot. Mag. **53**: t. 2667 (1826).  
*Azalea punicea* Sweet ex Poiteau in Ann. Inst. Hort. Fromont, **1**: 102, 104 (1829), non *R. indicum* a. *punicum* Sweet.  
*Rhododendron indicum* γ. *phoeniceum* Sweet, Brit. Flow. Gard., ser. 2, **2**: t. 128, p. [1] (1832).  
*Rhododendron phoeniceum* G. Don, Gen. Hist. Dichlam. Pl. **3**: 846 (1834).  
*Rhododendron indicum* ε. *speciosum* D. Don in Sweet, Brit. Flow. Gard. ser. 2, **3**: t. 284 (1835).  
*Azalea indica phoenicea* Hovey in Mag. Hort. Bot (Hovey) **1**: 224 (1835).  
*Azalea indica Rawsonii* Loudon in Gard. Mag. (Loudon), n. ser. **2**: 421 (1836).  
*Azalea Rawsonii* Paxton in Paxton's Mag. Bot. **3**: 123, t. (1837).  
*Rhododendron indicum* β. *purpureum* De Candolle, Prodr. **7,2**: 726 (1839), p. p., non *A. indica* γ. *purpurea* Sweet (1827).  
*Rhododendron ledifolium* β. *phoeniceum* De Candolle, op. cit. 727 (1839), p. p.  
*Rhododendron puniceum* Planchon in Fl. des Serr. **9**: 79 (1854), non Roxburgh (1832).  
*Azalea phoenicea* Hort. Paris ex Planchon in Fl. des Serr. **9**: 79 (1854), pro syn.  
*Rhododendron sublateralitum* Komatsu in Bot. Mag. Tokyo, **32**: (12) (1918), nom.  
*Rhododendron scabrum* var. *Rawsonii* Nakai in Bot. Mag. Tokyo, **38**: 33 (1924).
- R. pulchrum** var. *calycinum* (Lindl.) Rehder in Jour. Arnold Arb. **7**: 33 (1926).  
*Azalea indica calycina* Lindley in Paxton's Flow. Gard. **2**: 169, t. 70 (1852).  
*Rhododendron calycinum* Planchon in Fl. des Serr. **9**: 81 (1854).  
*Rhododendron ledifolium* β. *purpureum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 36 (Rhodod. As. Or.) (1870), p. p.  
*Azalea rosmarinifolia* var. *purpurea* Rehder in Bailey, Cycl. Am. Hort. [1]: 123 (1900).  
*Rhododendron rosmarinifolium* var. *purpureum* Schneider, Ill. Handb. Laubh. **2**: 504 (1911).  
*Rhododendron rosmarinifolium* var. *speciosum* Makino in Bot. Mag. Tokyo, **27**: 110 (1913).  
*Rhododendron Osakazuki* Komatsu in Cat. Sem. Spor. Hort. Bot. Univ. Tokyo, **1914**: 28 (1914); in Bot. Mag. Tokyo, **32**: (46) (1918) "*R. sublaceolatum* × *rosmarinifolium*"; in Matsumura, Icon. Pl. Koisikav. **4**: 9, t. 217 (1918).  
*Rhododendron Oomurasaki* Makino in Jour. Jap. Bot. **1**: 18 (1917).  
*Rhododendron phoeniceum* var. *calycinum* Wilson in Wilson & Rehder, Monog. Azal. 63 (1921).
- R. mucronatum** (Bl.) G. Don, Gen. Hist. Dichlam. Pl. **3**: 846 (1834).—Wilson in Wilson & Rehder, Monog. Azal. 68 (1921).  
*Azalea rosmarinifolia* Burmann, Fl. Ind. 43, t. 3, fig. 3 (1768), non *R. rosmarinifolium* Vidal (1886).

- Azalea mucronata* Blume, Cat. Een. Merkw. Gewass. Buitenz. 44 (1823).
- Azalea indica alba* Lindley in Bot. Reg. 10: t. 811 (1824).
- Azalea ledifolia* Hooker in Bot. Mag. 56: t. 2901 (1829).
- Azalea liliiflora* Poiteau in Ann. Inst. Hort. Fromont, 1829: 104 (1829).
- Azalea alba* Sweet ex Poiteau, l. c. (1829), pro syn.
- Rhododendron leucanthum* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 115 (Enum. Pl. Chin. Bor. 41. 1833) (1835).
- Rhododendron ledifolium* G. Don, Gen. Hist. Dichlam. Pl. 3: 846 (1834).
- Rhododendron macranthum* var. *albiflorum* Souchetianum Lemaire in Loiseleur, Herb. Gén. Amat. sér. 2, 3: t. 15 (1843).
- Rhododendron liliiflorum grandiflorum souchetianum* Lemaire, l. c. (1843), nom. altern.
- Azalea macrantha albiflora* Souchetiana Lemaire, l. c. (1843), in tab.
- Rhododendron ledifolium a. leucanthum* De Candolle, Prodr. 7,2: 727 (1839).
- Rhododendron rosmarinifolium* Dippel, Handb. Laubh. 1: 421 (1889), non Vidal (1886).
- Azalea rosmarinifolia* var. *alba* Rehder in Bailey, Cycl. Am. Hort. [1]: 123 (1900).
- Rhododendron rosmarinifolium* var. *album* Schneider, Ill. Handb. Laubh. 2: 504 (1911).
- Rhododendron ledifolium* var. *album* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 225 [1916].
- R. mucronatum** f. *Noordtianum* (Wittm.) Wilson in Wilson & Rehder, Monog. Azal. 71 (1921).
- Azalea japonica alba grandiflora* Van Noordt Pynaert in Rev. Hort. Belg. 30: 133, t. (1904).
- Azalea ledifolia* var. *Noordtiana* Wittmack in Gartenfl. 59: 310, fig. 32 (1910).
- Rhododendron ledifolium* var. *Noordtianum* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 225 [1916].
- Rhododendron rosmarinifolium* f. *Oriokiu* Komatsu in Bot. Mag. Tokyo, 32: (35) (1918).
- Rhododendron hortense* f. *Noordtianum* Nakai, Trees Shrubs Jap. rev. ed., 1: 150 (1927).
- R. mucronatum** f. *narcissiflorum* (Planch.) Wilson in Wilson & Rehder, Monog. Azal. 71 (1921).
- Rhododendron narcissiflorum* Planchon in Fl. des Serr. 9: 82 (1854).
- Azalea narcissiflora* Fortune ex Planchon, l. c. (1854), pro syn.—Hovey in Mag. Hort. Bot. (Hovey) 22: 9 (1856).
- Rhododendron ledifolium* γ. *narcissiflorum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 36 (Rhodod. As. Or.) (1870), p. p.
- Azalea rosmarinifolia* var. *narcissiflora* Rehder in Bailey, Cycl. Am. Hort. [1]: 123 (1900).
- Rhododendron rosmarinifolium* var. *narcissiflorum* Schneider, Ill. Handb. Laubh. 2: 504 (1911).
- Rhododendron rosmarinifolium* f. *narcissiflorum a. Shiro-manyo* Komatsu in Bot. Mag. Tokyo, 32: (36) (1918), nom.
- R. mucronatum** f. *plenum* (Sims) Wilson in Wilson & Rehder, Monog. Azal. 73 (1921).
- Azalea indica* var. β. *plena* Sims in Bot. Mag. 51: t. 2509 (1824).
- Azalea indica* γ. *purpurea* Sweet, Hort. Brit. 264 (1827).
- Azalea prolifera* Poiteau in Ann. Inst. Hort. Fromont, 1: 104 (1829).
- Rhododendron phoeniceum* var. β. *fl. pleno* G. Don, Gen. Hist. Dichlam. Pl. 3: 846 (1834).
- Azalea purpurea flore pleno* Hovey in Mag. Hort. Bot. (Hovey) 5: 115, 155 (1839), nom.
- Rhododendron indicum* ζ. *incarnatum* De Candolle, Prodr. 7,2: 726 (1839).
- Rhododendron ledifolium* γ. *narcissiflorum* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 36 (Rhodod. As. Or.) (1870), p. p.
- Rhododendron ledifolium* var. *plena purpurea* Regel in Gartenfl. 35: 565, t. 1233, fig. c-d (1886).
- Azalea indica purpurea plena* Bretschneider, Hist. Eur. Bot. Discov. China, 222 (1898).
- Rhododendron rosmarinifolium* f. *narcissiflorum* β. *Fujimanyo* Komatsu in Bot. Mag. Tokyo, 32: (36) (1918).
- R. mucronatum** f. *amethystinum* Wilson in Wilson & Rehder, Monog. Azal. 73 (1921).
- R. mucronatum** f. *Sekidera* (Komatsu) Wilson in Wilson & Rehder, Monog. Azal. 72 (1921).
- Azalea Criterion* [Ivery & Son] in Florist Fruit. 1852: 137 (1852), nom. subnud.
- Azalea indica* (var. *criterion*) Van Houtte, Fl. des Serr. 8: 129, t. 796 (1853) in t., "Azalée Criterion" in textu.
- Rhododendron rosmarinifolia* f. *Sekidera* Komatsu in Bot. Mag. Tokyo, 32: (35) (1918), nom. nud.
- Rhododendron Sekidera* (*R. indicum* × *Kaempferi*) Komatsu in op. cit. (46) (1918), nom. subnud.
- Azalea magnifica* Hort. ex Yokohama Nursery Cat. 1918-19: 19 (1918), non vis.; Descr. Cat. 1921-2: 15 (1921).
- Azalea indica roseum* et *A. japonica grandiflora superba* Andorra Nurs. ex Wilson in Wilson & Rehder, Monog. Azal. 72 (1921), pro syn.
- Rhododendron hortense* f. *criterion* Nakai, Trees Shrubs Jap. rev. ed., 1: 150 (1927).
- R. mucronatum** var. *ripense* (Mak.) Wilson in op. cit. 72 (1921).
- Rhododendron ripense* Makino in Bot. Mag. Tokyo, 22: 55 (1908).—Nakai, Trees Shrubs Jap. 1: 109, fig. 61 (1922), exclud. syn. Burmann.
- R. linearifolium** Siebold & Zuccarini in Abh. Phys.-Math. Akad. Wiss. Münch. 4,3: 131 (Fl. Jap. Fam. Nat. 2: 7) (1846).—Boissieu in Bull. Herb. Boissier, 5: 918 (1897).—Wilson in Wilson & Rehder, Monog. Azal. 74 (1921).
- Azalea linearifolia* Hooker f. in Bot. Mag. 95: t. 5769 (1869).
- Rhododendron macrosepalum* var. *linearifolium* Makino in Bot. Mag. Tokyo, 22: 55 (1908).
- Rhododendron linearifolium a. linearifolium* Makino in Bot. Mag. Tokyo, 27: 108 (1913).
- Rhododendron Burmanni* f. *linearifolium* Nakai, Trees Shrubs Jap. 1: 117 (1922).
- R. linearifolium** var. *macrosepalum* (Maxim.) Makino in Bot. Mag. Tokyo, 27: 108 (1913).—Wilson in Wilson & Rehder, Monog. Azal. 74 (1921).—Nakai, Trees Shrubs Jap. rev. ed., 1: 155, fig. 74 (1927).
- Rhododendron macrosepalum* Maximowicz in Bull. Acad. Sci. St. Pétersb. sér. 3, 15: 228 (in Mém. Biol. 7: 333. 1870) (1871); in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 31 (Rhodod. As. Or.) (1870).
- Azalea macrosepala* K. Koch, Dendr. 2,1: 180 (1872).
- Rhododendron linearifolium* β. *macrosepalum* f. *genuinum* Makino in Bot. Mag. Tokyo, 27: 108 (1913).
- Rhododendron Burmanni* var. *macrosepalum* Nakai, Trees Shrubs Jap. 1: 115 fig. 65 (1922).

**Rhododendron** (continued)

**R. lineariifolium** f. **decandrum** Wilson in Wilson & Rehder, Monog. Azal. 77 (1921) "var. *macrosepalum* f. *d.*" *Rhododendron hortense* Nakai, Trees Shrubs Jap. 1: 112, fig. 63 (1922).

**R. lineariifolium** f. **dianthiflorum** (Carr.) Wilson in op. cit. 76 (1921).—Nakai, Trees Shrubs Jap. rev. ed., 1: 156 (1927).

*Azalea dianthiflora* Carrière in Rev. Hort. 1889: 391 (1889); 1891: 60, fig. 18, t. (1891).

*Rhododendron dianthiflorum* Millais, Rhodod. 155 (1917).

*Rhododendron Burmanni* f. *dianthiflorum* Nakai in Bot. Mag. Tokyo, 37: 34 (1924).

Sect. II. **SCIADORHODION** Rehder & Wilson in Wilson & Rehder, Monog. Azal. 79 (1921).

*Rhododendron* sect. *Verticillatae* Nakai, Trees & Shrubs Jap. 1: 43 (1922).

SERIES cf. Rehder in Rhodod. Soc., Spec. Rhodod.: ser. *Azalea* subser. *Schlippenbachii* (p. 110) (1930); Man. Cult. Trees Shrubs, ed. 2, 716 (1940), pro syn.

*Azalea* subgen. *Sciadorhodion* Copeland in Am. Midland Nat. 30: 597 (1943).

**R. Weyrichii** Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 26, t. 2, fig. 1–6 (Rhodod. As. Or.) (1870).—Nakai, Fl. Sylv. Kor. 8: 44, t. 16 (1919); Trees, Shrubs Jap. rev. ed., 1: 96, fig. 43 (1922).—Wilson in Wilson & Rehder, Monog. Azal. 82 (1921).

*Azalea Weyrichii* Kuntze, Rev. Gen. Pl. 2: 387 (1891).

*Rhododendron shikokianum* Makino in Bot. Mag. Tokyo, 6:(53) (1892), nom.; 9: (111) (1895), nom.—Nakai, Trees Shrubs Jap. rev. ed., 1: 97, fig. 44 (1927).

**R. reticulatum** D. Don ex G. Don, Gen. Hist. Dichlam. Pl. 3: 846 (1834).—Wilson in Wilson & Rehder, Monog. Azal. 83 (1921).—Nakai, Trees Shrubs Jap. rev. ed., 1: 90, fig. 40 (1927).—Rehder in Rhodod. Soc., Spec. Rhodod. 116, fig. (1930).

*Rhododendron dilatatum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 34 (1863); 2: 164 (Prol. Fl. Jap. 96) (1866).

*Rhododendron rhombicum* Miquel, l. c. (1866).

*Azalea reticulata* K. Koch, Dendr. 2,1: 179 (1872).

*Azalea dilatata* Kuntze, Rev. Gen. Pl. 2: 387 (1891).

*Azalea rhombica* Kuntze, l. c. (1891).

*Rhododendron dilatatum* β. *decandrum* Makino in Bot. Mag. Tokyo, 7: 134 (1893).

*Rhododendron decandrum* Makino in Jour. Jap. Bot. 1: 21 (1917).—Nakai, Trees Shrubs Jap. rev. ed., 1: 93, fig. 41 (1927).

*Rhododendron Wadanum* Makino, l. c. (1917).—Nakai, op. cit. 1: 94, fig. 42 (1927).

*Rhododendron glandulistylum* Komatsu in Bot. Mag. Tokyo, 32: (10) (1918), nom.

*Rhododendron lagopus* Nakai in Bot. Mag. Tokyo, 40: 483 (1926); Trees Shrubs Jap. rev. ed., 1: 103, fig. 48 (1927).

*Rhododendron nudipes* Nakai in op. cit. 484 (1926); op. cit. 104, fig. 49 (1927).

**R. reticulatum** f. **pentandrum** Wilson in Wilson & Rehder, Monog. Azal. 86 (1921).

*Rhododendron dilatatum* sensu Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 27 (Rhodod. As. Or.) (1870), p. p.—Nakai, Trees Shrubs Jap. rev. ed., 1: 99, fig. 45 (1927).—Non Miquel (1863).

*Rhododendron dilatatum* α. *typicum* Makino in Bot. Mag. Tokyo, 7: 134 (1893).

*Rhododendron nagasakianum* Nakai in Bot. Mag. Tokyo, 40: 484 (1926); Trees Shrubs Jap. rev. ed., 1: 100, fig. 46 (1927).

**R. quinquefolium** Bisset & Moore in Jour. Bot. 15: 292 (1877).—Wilson in Wilson & Rehder, Monog. Azal. 87 (1921).—Nakai, Trees Shrubs Jap. rev. ed., 1: 108, fig. 51 (1927).

*Azalea quinquefolia* Olmsted, Coville & Kelsey, Stand. Pl. Names, 27 (1923).

**R. Schlippenbachii** Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 226 (in Mém. Biol. 7: 333) (1870); in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 29, t. 2, fig. 7–13 (Rhodod. As. Or.) (1870).—E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 2) 63: 27 (1915).—Nakai, Fl. Sylv. Kor. 8: 43, t. 15 (1919).

*Azalea Schlippenbachii* Kuntze, Rev. Gen. Pl. 2: 387 (1891).

Sect. III. **RHODORA** (L.) G. Don, Gen. Hist. Dichlam. Pl. 3: 848 (1834).—Rehder in Wilson & Rehder, Monog. Azal. 119 (1921).

*Chamaerhododendros* Duhamel, Semis Pl. Arb. Add. Traité Arb. 10, t., fig. 2 (1760).

*Rhodora Linnaeus*, Sp. Pl. ed. 2, 561 (1762).—Small in N. Am. Fl. 29: 44 (1914).

*Hochenwartia* Crantz, Inst. Rei Herb. 2: 468 (1766).

*Rhododendron* sect. *Azalea* ser. 2, [subser.] b. Maximowicz in Mém. Acad. Sci. St. Pétersb., sér. 7, 16,9: 28 (1870).

*Biltia* Small, Fl. Southeast. U. S. 884, 1336 (1903); in N. Am. Fl. 29: 48 (1914).

*Rhododendron* sect. *Viscidula* Matsumura & Nakai in Bot. Mag. Tokyo, 30: 289 (1916).

*Azalea* subgen. *Rhodora* Copeland in Am. Midland Nat. 30: 595 (1943).

SERIES cf. Rehder in Rhodod. Soc., Spec. Rhodod.: ser. *Azalea* subser. *Canadense* (p. 44), subser. *Nipponicum* (p. 73) (1930); Man. Cult. Trees Shrubs, ed. 2, 717 (1940), pro syn.

**R. Albrechtii** Maximowicz in Bull. Acad. Sci. St. Pétersb. 15: 227 (in Mém. Biol. 7: 335) (1870); in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 30, t. 2, fig. 14–20 (Rhodod. As. Or.) (1870).—Wilson in Wilson & Rehder, Monog. Azal. 91 (1921) "*Albrechtii*."

*Azalea Albrechtii* Kuntze, Rev. Gen. Pl. 2: 387 (1891).

**R. pentaphyllum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 65 (in Mém. Biol. 12: 491) (1887).—Wilson in Wilson & Rehder, Monog. Azal. 92 (1921).

*Rhododendron pentaphyllum* var. *nikoense* Komatsu in Matsumura, Icon. Pl. Koisikav. 3: 45, t. 168 (1916).

*Rhododendron quinquefolium* var. *roseum* Rehder in Bailey, Stand. Cycl. Hort. 5: 2947 (1916); 6: 3574 (1917).

*Rhododendron nikoense* Nakai, Trees Shrubs Jap. 1: 68, fig. 37 (1922).

*Azalea pentaphylla* Copeland in Am. Midland Nat. 30: 595 (1943).

**R. nipponicum** Matsumura in Bot. Mag. Tokyo, 13: 17 (1899).—Wilson in Wilson & Rehder, Monog. Azal. 93 (1921).

*Azalea nipponica* Copeland in Am. Midland Nat. 30: 595 (1943).



- R. Vaseyi** Gray in Proc. Am. Acad. Arts Sci. **15**: 48 (1879); in Syn. Fl. N. Am. ed. 2, **2**: 398 (1886).—Rehder in Wilson & Rehder, Monog. Azal. 122 (1921). *Azalea Vaseyi* Rehder in Möller's Deutsch. Gärtn.Zeit. **14**: 332, fig. (1899). *Biltia Vaseyi* Small, Fl. Southeast. U. S. 884, 1336 (1903).
- R. Vaseyi f. album** (Bean) Rehder in Mitt. Deutsch. Dendr. Ges. **1915**(24): 225 [1916]. *Rhododendron Vaseyi* var. *album* [Nicholson] in Kew Hand-list Trees Shrubs, **2**: 57 (1896), nom.—Bean, Trees Shrubs Brit. Isl. **2**: 384 (1914).
- R. canadense** (L.) Torrey, Cat. Pl. 151 (in Geol. Surv. New York Assembly, (no. 50) (1839).—Rehder in Wilson & Rehder, Monog. Azal. 120 (1921). *Rhodora canadensis* Linnaeus, Sp. Pl. ed. 2, 561 (1762).—Small in N. Am. Fl. **29**: 44 (1914). *Hochenwartia canadensis* Crantz, Inst. Rei Herb. **2**: 469 (1766). *Rhododendron Rhodora* G. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, **2**: 694 (1791).—Coulter & Watson in Gray, Man. Bot. N. U. S. ed. 6, 321 (1890). *Azalea canadensis* Kuntze, Rev. Gen. Pl. **2**: 386 (1891).
- R. canadense f. albiflorum** (Rand & Redfield) Rehder in Wilson & Rehder, Monog. Azal. 122 (1921). *Rhododendron Rhodora f. albiflora* Rand & Redfield, Fl. Mt. Desert Isl. 127 (1894, Aug.). *Rhododendron canadense f. album* Voss, Vilmor. Blumengärt. **1**: 587 (1894, Sept. or Oct.).
- Sect. IV. PENTANTHERA G. Don, Gen. Hist. Dichlam. Pl. **3**: 846 (1834).—Rehder in Wilson & Rehder, Monog. Azal. 124 (1921). *Azalea* Linnaeus, Sp. Pl. 150 (1753), quoad sp. 2–4.—Small, N. Am. Fl. **29**: 41 (1914). *Rhododendron a. Anthodendron* Endlicher, Gen. Pl. 759 [1839]. *Theis* Salisbury in coll. 1817 ex De Candolle, Prodr. **7**: 715 (1839), pro syn. *Rhododendron* sect. *Azalea* Regel in Act. Hort. Petrop. **1**: 162 (1872), exclud. sp. 5 et 8. *Azalea* subgen. *Pentanthera* K. Koch, Dendr. **2**: 186 (1872). *Azalea* subgen. *Euazalea* K. Koch, op. cit. 179 (1872), quoad sp. 11 et 12. *Rhododendron* sect. *Euazalea* Dippel, Handb. Laubh. **1**: 411 (1889). SERIES cf. Rehder in Rhodod. Soc., Spec. Rhodod.: ser. *Azalea* subser. *Luteum* (p. 51) (1930); Man. Cult. Trees Shrubs, ed. 2, 718 (1940), pro syn.
- R. japonicum** (Gray) Suringar in Gartenfl. **57**: 516, 517 (1908), nom. event.—Schneider, Ill. Handb. Laubh. **2**: 1046 (1912).—Wilson in Wilson & Rehder, Monog. Azal. 99 (1921). *Rhododendron molle* sensu Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4**: 131 (Fl. Jap. Fam. Nat. **2**: 7) (1846), non G. Don (1834) (= *Az. mollis* Bl.) *Azalea japonica* Gray in Mem. Am. Acad. Arts Sci. n. ser., **6**: 400 (Diag. Char. Pl. Jap.) (1859). *Azalea mollis* β. *glabrior* Regel in Gartenfl. **16**: 289, t. 556 (1867). *Rhododendron molle* β. *glabrior* Miquel ex Regel, l. c. (1867), pro syn. *Azalea sinensis* β. *glabrior* Maximowicz in Ind. Sem. Hort. Petrop. 1868 Suppl. **1869**: 11 (1870). *Rhododendron Sinense* sensu Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16**: 28 (Rhodod. As. Or.) (1870), non Sweet (1829). *Azalea mollis* André in Ill. Hort. **18**: 132, t. 68 (1871), non Blume (1823).
- R. japonicum f. aureum** Wilson in Wilson & Rehder, Monog. Azal. 102 (1921). *Rhododendron sinsense* Tanaka, Usef. Pl. Jap. 74, fig. 652 (1891).—Ito, Icon. Pl. Jap. **1** (no. 5): t. 17 (1913).—Non Sweet (1829).
- R. Kosterianum** (*R. japonicum* × *molle*) Schneider, Ill. Handb. Laubh. **2**: 499 (1911).—Wilson in Wilson & Rehder, Monog. Azal. 97 (1921). *Azalea mollis* × *sinensis* Pynaert & van Geert in Rev. Hort. Belg. **17**: 121, fig. 18 (1891). *Rhododendron sinense* sensu W. Watson, Rhodod. & Azal. 77 (1911), p. p.; non Sweet (1829). *Rhododendron sinense* × *molle* Schneider, Ill. Handb. Laubh. **2**: 499 (1911), pro syn.—Millais, Rhodod. 212 (1917). *Rhododendron molle* sensu Millais, Rhodod. 211 (1917), p. p.; non G. Don (1834), nec Siebold & Zuccarini (1846).
- R. Fraseri** (*R. canadense* × *japonicum*) W. Watson in Gard. Chron. ser. 3, **67**: 225 (1920).—Rehder in Wilson & Rehder, Monog. Azal. 185 (1921).
- R. japonicum** × *roseum* Gable in Nat. Hort. Mag. **18**: 254, fig.(p.257) (1937) "*roseum* × *japonicum*."
- R. atlanticum** × *japonicum* Gable in op. cit. 254, fig.(p. 259) (1937).
- R. molle** (Bl.) G. Don, Gen. Hist. Dichlam. Pl. **3**: 846 (1834).—Wilson in Wilson & Rehder, Monog. Azal. 95 (1921). *Azalea mollis* Blume, Cat. Een. Merkw. Gewass. Buitenz. 44 (1823); Bijdr. Fl. Nederl. Ind. 853 (1825). *Azalea sinensis* Loddiges, Bot. Cab. **9**: t. 885 (1825). *Rhododendron sinsense* β. *flavescens* Sweet, Brit. Flow. Gard. ser. 1, **3**: t. 290 (1829). *Rhododendron sinense* Sweet, l. c. 290 (1829).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 549 (1913).—Reiter in Rhodod. Immergr. Laubgeh. **1938**: 77 (1938); cf. Sleumer in Rhodod. Immergr. Laubgeh. **1939**: 95 (1939). *Rhododendron sinense a. flammeum* Sweet, l. c. 290 (1829). *Azalea pontica* var. *sinensis* Lindley in Bot. Reg. **15**: t. 1253 (1829). *Azalea sinensis a. genuina* Maximowicz in Ind. Sem. Hort. Petrop. 1868 Suppl. **1869**: 11 (1870).
- R. albicans** (*R. molle* × *occidentale*) (Waterer) Zabel in Mitt. Deutsch. Dendr. Ges. **1902**(11): 30 (1902).—Wilson in Wilson & Rehder, Monog. Azal. 97 (1921).—Rehder in Wilson & Rehder, op. cit. 180 (1921).
- R. flavum** [Hoffmanns.] G. Don, Gen. Hist. Dichlam. Pl. **3**: 847 (1834).—Kuznetzov, Fl. Cauc. Crit. **4**: 31, 488 [1901, 1906].—Rehder in Jour. Arnold Arb. **26**: 73 (1926).—Non Pallas (1776), nom. *Azalea pontica* Linnaeus, Sp. Pl. 150 (1753), non *Rhododendron ponticum* L. (1753). *Azalea arborea* Linnaeus (1753) ex Linnaeus, Sp. Pl. ed. 2, **2**: 1669 (1764), pro syn. *Azalea flava* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. **2**: 62 (1826). *Anthodendron ponticum* Reichenbach in Mössler, Handb. Gewächsk. ed. 2, **1**: 308 (1827).

**Rhododendron flavum** (continued)

- Rhododendron luteum* Sweet, Hort. Brit. ed. 2, 343 (1830).—Wilson in Wilson & Rehder, Monog. Azal. 103 (1921).—Non *Azalea lutea* L. (1753).  
*Rhododendron flavum* var. *coronarium* Sweet, Brit. Flow. Gard. ser. 2, 4: t. 331 (1836).  
*Rhododendron ponticum* Schreber ex De Candolle, Prodr. 7,2: 718 (1839), pro syn.; non Linnaeus (1762).  
*Azalea pontica* a. *flava* De Candolle, l. c. (1839).  
*Anthodendron flavum* Reichenbach ex K. Koch, Dendr. 2,2: 184 (1872), pro syn.

**R. flavum** f. *macranthum* (Bean), grad. nov.

- Rhododendron flavum* var. *macranthum* Bean, Trees Shrubs Brit. Isl. 2: 357 (1914).  
*Rhododendron luteum* var. *macranthum* Wilson in Wilson & Rehder, Monog. Azal. 105 (1921).

**R. gandavense** (*R. flavum* × *Mortieri*) (K. Koch) Rehder in Wilson & Rehder, Monog. Azal. 178 (1921).

- Azalea Mortieriana* Spae in Ann. Soc. Agric. Bot. Gand, 2: 325, t. 81 (1846), p. p.  
*Azalea pontica* et var. Witte, Flora Afbeeld. Beschr. 290, t. 73 (1868), non Linnaeus (1753).  
*Azalea gandavensis* Hort. ex K. Koch, Dendr. 2,2: 367 (1873), in indice.

**R. gandavense** f. *plenum* (Rehd.), grad. nov.

- Azalea Van Houttei flore pleno* Van Houtte in Fl. des Serr. 13: t. 1298 (1858).  
*Rhododendron gandavense* var. *plenum* Rehder in Wilson & Rehder, Monog. Azal. 179 (1921).

**R. mixtum** (*R. gandavense* × *molle*) Wilson in Wilson & Rehder, Monog. Azal. 98 (1921).—Rehder in Wilson & Rehder, Monog. Azal. 183 (1921).

- Azalea rustica flore-pleno* Hort. ex Vandervoorde in Rev. Hort. Belg. 19: 232, t. (1893), non "Azaleas rustiques de Gand" Van Houtte (1873).

**R. occidentale** (Torr. & Gray) Gray in S. Watson, Bot. Calif. 1: 458 (1876); Syn. Fl. N. Am. 2: 140 (1878).—Rehder in Wilson & Rehder, Monog. Azal. 125 (1921).

- Azalea calendulacea* sensu Hooker & Arnott, Bot. Beechey Voy. 362 (1841), non Michaux (1803).  
*Azalea nudiflora* var. *ciliata* Kellogg in Proc. Calif. Acad. Sci. 1: 60 (1855).  
*Azalea californica* Torrey & Gray ex Durand in Jour. Acad. Nat. Sci. Philad. ser. 2,3: 94 (1855).—Small in N. Am. Fl. 29: 44 (1914).  
*Azalea occidentalis* Torrey & Gray in U. S. (War Dept.) Rep. Explor. Surv. Railr. Mississippi Pacif. Oc. 4: 116 (1856).

**R. arborescens** × *occidentale* George Fraser ex Gable in Nat. Hort. Mag. 16: 253, fig. (p. 255) (1937).**R. calendulaceum** (Michx.) Torrey, Fl. U. S. 425 (1824).—Rehder in Wilson & Rehder, Monog. Azal. 127 (1921).

- Azalea lutea* Linnaeus, Sp. Pl. 150 (1753), p. p. quoad syn. Colden.—Small, N. Am. Fl. 29: 41 (1914).—Non *R. luteum* Sweet (1830).  
*Azalea nudiflora* Linnaeus, Sp. Pl., ed. 2, 214 (1762), p. p. quoad syn. Colden.  
*Azalea flammea* Bartram, Travels N. & S. Carol. 1: 327 (1791), nom.; p. p.  
*Azalea calendulacea* Michaux, Fl. Bor.-Am. 1: 151 (1803), exclud. var. *a*.  
*Azalea pontica* β. *A. calendulacea* Persoon, Syn. Pl. 1: 212 (1805).

*Azalea nudiflora* var. *h. lutea* Elliott, Sketch Bot. S.-Carol. 1: 241 [1817].

*Azalea flava* Michaux, Jour. ed. C. S. Sargent in Proc. Am. Philos. Soc. 26: 111 (1889), nom.; non Hoffmannsegg (1826).

*Rhododendron luteum* Schneider, Ill. Handb. Laubh. 2: 500, fig. 329q-r, 330a (1911), non Sweet (1830).

**R. calendulaceum** f. *croceum* (Sweet) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 225 [1916]; in Wilson & Rehder, Monog. Azal. 130 (1921).

*Azalea calendulacea* β. *crocea* Michaux, Fl. Bor.-Am. 1: 151 (1803).

*Azalea crocea* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 3: 7, 22 (1826).

*Rhododendron calendulaceum* var. *a. croceum* Sweet, Hort. Brit. ed. 2, 343 (1830).

**R. calendulaceum** f. *aurantium* (Lodd.) Rehder in Wilson & Rehder, Monog. Azal. 130 (1921).

*Azalea aurantiaca* F. G. Dietrich, Darst. Vorz. Zierpfl. 4: t. 1 (1803).

*Azalea nudiflora* var. *A. aurantiaca* Hort. ex Dumont de Courset, Bot. Cult. ed. 2, 3: 333 (1811).

*Azalea nudiflora* var. *A. coccinea major* Dumont de Courset, l. c. (1811).

*Azalea calendulacea* a. Ker in Bot. Reg. 2: t. 145 (1816).

*Azalea speciosa* γ. *aurantia* Sweet, Hort. Brit. 265 (1826), nom.—De Candolle, Prodr. 7,2: 717 (1839) "β."

*Azalea coccinea aurantia* Loddiges, Bot. Cab. 13: t. 1255 (1827).

*Rhododendron calendulaceum* var. *a. flammeum* Sweet, Hort. Brit. ed. 2, 343 (1830).

*Rhododendron speciosum* γ. *aurantium* Sweet, Hort. Brit. ed. 2, 343 (1830).

*Azalea speciosa* (f.) 2. *aurantiaca* Kirchner in Petzold & Kirchner, Arb. Muscav. 479 (1864).

*Azalea calendulacea* var. *flammea* Rehder in Bailey, Cycl. Am. Hort. [1]: 121 (1900), p. p.

*Rhododendron calendulaceum* f. *aurantiacum* Zabel in Beissner et al., Handb. Laubh.-Ben. 380 (1903).

*Rhododendron luteum* var. *flammeum* Schneider, Ill. Handb. Laubh. 2: 500 (1911), p. p.

**R. Mortieri** (*R. calendulaceum* × *nudiflorum*) Sweet, Hort. Brit. ed. 2, 343 (1830) "*R. Morterii*," nom.—Rehder in Wilson & Rehder, Monog. Azal. 176 (1921), inclus. hybr. *R. nudiflorum* × *flammeum*; cum hybridis pluribus arcte affinis et synonymis.

*Rhododendron Morterii* a. *carnea* Sweet, Hort. Brit. ed. 2, 343 (1830), nom.; Brit. Flow. Gard. ser. 2, 1: t. 10 (1831).

*Azalea calendulacea* ι. *Morterii* De Candolle, Prodr. 7,2: 718 (1839).

*Azalea Mortieriana* Spae in Ann. Soc. Agric. Bot. Gand, 3: 9, t. 106 (1847), p. p.

*Azalea Mortieri* K. Koch, Dendr. 2,1: 190 (1872), pro syn.

*Rhododendron calendulaceum* var. *Mortieri* [Nicholson in] Kew Hand-list Trees Shrubs, ed. 2, 497 (1902).

*Rhododendron Mortieri* Zabel in Mitt. Deutsch. Dendr. Ges. 1902(11): 30 (1902).

**R. Anneliesae** (*R. arborescens* × *calendulaceum*) Rehder in Wilson & Rehder, Monog. Azal. 181 (1921).

*Rhododendron arborescens* × *calendulaceum* Zabel in Beissner et al., Handb. Laubh.-Ben. 380 (1903), nom.

**R. austrinum** (Small) Rehder in Bailey, Stand. Cycl. Hort. 6: 3571, 3574 (1917, March).—Millais, Rhodod.

- 125 (1917).—Rehder in Wilson & Rehder, Monog. Azal. 146 (1921).
- Azalea austriaca* Small, Fl. Southeast. U. S. ed. 2, 1356, 1375 (1913); N. Am. Fl. 29: 42 (1914).
- Rhododendron nudiflorum* var. *luteum* Curtiss no. 1718 in herb. ex Rehder, l. c. (1921), pro syn.
- R. flammeum** (Michx.) Sargent in Rhodod. Soc. Notes, 1,3(1917): 120 [1918].—Rehder in Jour. Arnold Arb. 26: 73 (1945).
- Azalea coccinea* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 5 [1718?], nom. subnud.—C. F. Ludwig, Neu. Wilde Baumz. 7 (1783), nom. subnud.—Hort. ex Curtis, in Bot. Mag. 5: t. 180 (1792), in textu; pro syn.—Michaux, Jour. ed. C. S. Sargent in Proc. Am. Philos. Soc. 26: 9 (1889), nom. subnud.
- Azalea nudiflora* a. *coccinea* Aiton, Hort. Kew. 1: 202 (1789).—Curtis in Bot. Mag. 5: t. 180 (1792).
- Azalea flammea* Bartram, Travels N. & S. Carol. 323, 327 (1791), nom. subnud.
- Azalea fulva* Michaux in Jour. Hist. Nat. Paris, 1: 410 (1792), nom.—Rehder in Jour. Arnold Arb. 4: 6 (1923), pro syn.
- Azalea calendulacea* a. *flammea* Michaux, Fl. Bor.-Am. 1: 151 (1803).—Pursh, Fl. Am. Sept. 1: 152 (1814).
- Azalea speciosa* Willdenow, Berlin. Baumz. ed. 2, 49 (1811).—Guimpel, Otto & Hayne, Abb. Fremb. Holzart. 1: 37, t. 31 (1825).
- Azalea periclymenoides* a. *coccinea* Pursh, Fl. Am. Sept. 1: 152 (1814).
- Azalea nudiflora* sensu Loiseleur, Herb. Gén. Amat. 4: 213, t. (1820), non Linnaeus (1762).
- Azalea calendulacea* var. a. Elliott, Sketch Bot. S.-Carol. 1: 239 [1817], p. p.
- Azalea coccinea major* Loddiges, Bot. Cab. 7: t. 624 (1822), nom. subnud.
- Azalea speciosa* a. *major* Sweet, Hort. Brit. 265 (1826).
- ?*Azalea nudiflora* var. *thyrsiflora* Gowen ex Lindley in Bot. Reg. 16: t. 1367 (1830).
- Rhododendron speciosum* Sweet, Hort. Brit. ed. 2, 343 (1830), p. p., quoad a. *major*.—G. Don, Gen. Hist. Dichlam. Pl. 3: 847 (1834).—Rehder in Wilson & Rehder, Monog. Azal. 131 (1921).—Non Salisbury (1796).
- Rhododendron nudiflorum* f. *coccineum* Sweet, l. c. (1830).—G. Don, l. c. (1834).
- Azalea speciosa* a. *coccinea* De Candolle, Prodr. 7,2: 717 (1839).
- Azalea calendulacea* sensu Darby, Bot. S. Stat. 422 (1855), p. p.; non Michaux (1803).
- Rhododendron calendulaceum* sensu Chapman, Fl. S. U. S. 265 (1860), p. p.; non Torrey (1824).
- Rhododendron calendulaceum* f. *speciosum* Voss, Vilmor, Blumengärt. 1: 588 (1894).
- R. nudiflorum** (L.) Torrey, Fl. U. S. 424 (1824).—Rehder in Wilson & Rehder, Monog. Azal. 134 (1921).
- Azalea lutea* Linnaeus, Sp. Pl. 150 (1753), exclud. syn. Colden et Gronovius.—Kuntze, Rev. Gen. Pl. 2: 386 (1891).
- Azalea nudiflora* Linnaeus, Sp. Pl. ed. 2, 214 (1762), exclud. syn. Colden et Gronovius.—Small in N. Am. Fl. 29: 42 (1914), exclud. *A. bicolor* Pursh.
- ?*Azalea rubra* Weston, Bot. Univ. 1: 16 (1770).—Meerburgh, Pl. Select. Icon. p. [3], t. 8 (1798).—Rehder in Wilson & Rehder, Monog. Azal. 201 (1921), nom. dub.
- Azalea nudiflora* var. *variegata*, var. *carnea*, var. *rubra*, var. *crispa* C. F. Ludwig, Neu. Wilde Baumz. 6–7 (1783), nom. subnud.
- Rhododendron venustum* Salisbury, Prodr. Stirp. Chap. Allert. 287 (1796), p. p.
- Azalea periclymenoides* Michaux, Fl. Bor.-Am. 1: 151 (1803).
- Azalea periclymena* Persoon, Syn. Pl. 1: 212 (1805).
- Anthodendron nudiflorum* Reichenbach in Mössler, Handb. Gewächsk. ed. 2, 1: 309 (1827).
- Azalea nudiflora* f. *periclymenoides* Heynhold, Nomencl. Bot. Hort. 1: 108 (1840).
- R. nudiflorum** f. *album* (Ait.) Rehder in Wilson & Rehder, Monog. Azal. 137, in textu (1921).
- Azalea nudiflora* f. *alba* Aiton, Hort. Kew. 1: 202 (1789).—Dumont de Courset, Bot. Cult. ed. 2, 3: 332 (1811) “var. *A. alba*.”
- Azalea alba* Michaux, Jour. ed. C. S. Sargent in Proc. Am. Philos. Soc. 26: 111 (1889), nom.
- R. nudiflorum** f. *glandiferum* (Porter) Fernald in Rhodora, 43: 619 (1941).
- Azalea nudiflora glandifera* Porter in Bull. Torrey Bot. Club, 27: 508 (1900).
- Rhododendron nudiflorum* var. *glandiferum* Rehder in Wilson & Rehder, Monog. Azal. 138 (1921).
- R. roseum** (Loisel.) Rehder, l. c. (1921).
- Azalea rosea* Loiseleur in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 5: 224, t. 64 (1812).
- Azalea canescens* Pursh, Fl. Am. Sept. 1: 152 (1814), p. p. quoad pl. e Virginia; non Michaux (1803).
- Azalea nudiflora* sensu Darlington, Fl. Cestrica, 26 (1826), non Linnaeus (1762).
- Azalea nudiflora* ee. *rosea* Sweet, Hort. Brit. 265 (1826), nom.
- Rhododendron nudiflorum* ee. *roseum*, Sweet, Hort. Brit. ed. 2, 344 (1830), nom.
- Rhododendron nudiflorum* sensu Darlington, Fl. Cestrica, ed. 2, 262 (1837), non Torrey (1824).
- Rhododendron canescens* sensu Porter in Bull. Torrey Bot. Club, 16: 220 (1889), non Sweet (1830).
- Azalea nudiflora* var. *canescens* Rehder in Bailey, Cycl. Am. Hort. [1]: 121 (1900), exclud. basonym.
- Azalea prinophylla* Small in N. Am. Fl. 29: 42 (1914).
- Rhododendron prinophyllum* Millais, Rhodod. 229 (1917).
- Rhododendron nudiflorum* var. *roseum* (Lois.) Wiegand in Rhodora, 26: 4 (1924).
- R. roseum** f. *plenum* Rehder in Contrib. Gray Herb. 165: 10 (1947).
- R. roseum** f. *lutescens* Rehder, l. c. (1947).
- R. canescens** (Michx.) Sweet, Hort. Brit. ed. 2, 343 (1830).—Rehder in Wilson & Rehder, Monog. Azal. 143 (1921).
- Azalea lutea* Linnaeus, Sp. Pl. 150 (1753), p. p. quoad syn. Gronovius.
- Azalea nudiflora* Linnaeus, Sp. Pl. ed. 2, 214 (1762), p. p. quoad syn. Gronovius.
- ?*Azalea nudiflora* e. *bicolor* Aiton, Hort. Kew. 1: 203 (1789).
- Azalea canescens* Michaux, Fl. Bor.-Am. 1: 150 (1803).—Small in N. Am. Fl. 29: 42 (1914).
- Azalea bicolor* Pursh, Fl. Am. Sept. 1: 153 (1814).
- Rhododendron bicolor* Sweet, Hort. Brit. ed. 2, 344 (1830).
- Rhododendron nudiflorum* sensu Chapman, Fl. S. U. S. 265 (1865), non Torrey (1824).
- Azalea nudiflora* var. *canescens* Rehder in Bailey, Cycl. Am. Hort. [1]: 121 (1900), p. p. quoad basonym.

**Rhododendron canescens** (*continued*)

**R. canescens** var. **candidum** (Small) Rehder in Wilson & Rehder, Monog. Azal. 146 (1921).

*Azalea candida* Small in Bull. Torrey Bot. Club, **28**: 360 (1901).

*Rhododendron candidum* Rehder in Bailey, Stand. Cycl. Hort. **5**: 2945 (1916); **6**: 3574 (1917).

**R. canescens** f. **subglabrum** Rehder in Wilson & Rehder, Monog. Azal. 145 (1921).

**R. alabamense** Rehder in op. cit. 141 (1921).

*Azalea nudiflora* var. *alba* Mohr, Plant Life Alab. 653 (1901), non Aiton (1789).

*Azalea alabamensis* Ashe in Jour. Elisha Mitchell Sci. Soc. **38**: 90 (1922).

**R. atlanticum** (Ashe) Rehder in Wilson & Rehder, Monog. Azal. 147 (1921), p. p. typ. — Fernald in Rhodora, **43**: 620 (1941).

*Azalea nudiflora* sensu M. A. Curtis in Boston Jour. Nat. Hist. **1**: 100 (Enum. Pl. Wilmington) (1834), non Linnaeus (1762).

*Azalea atlantica* Ashe in Bull. Charleston Mus. **13**: 26 (1917).

**R. atlanticum** f. **neglectum** (Ashe) Rehder in Wilson & Rehder, Monog. Azal. 149 (1921). — Fernald in Rhodora, **43**: 621 (1941).

*Azalea neglecta* Ashe in Bull. Torrey Bot. Club, **47**: 581 (1920).

**R. atlanticum** f. **confusum** Fernald in op. cit. 622 (1941). *Azalea atlantica* sensu Ashe in Bull. Torrey Bot. Club, **47**: 581 (1920). — Coker in Jour. Elisha Mitchell Sci. Soc. **36**: 97 (1920). — Non Ashe (1917).

*Rhododendron atlanticum* Rehder in Wilson & Rehder, Monog. Azaleas, 147 (1921), p. p. exclud. *Azalea atlantica* Coker (1920) et Ashe (1920).

**R. atlanticum** f. **luteo-album** (Coker) Fernald in Rhodora, **43**: 622 (1941).

*Azalea atlantica* var. *luteo-alba* Coker in Jour. Elisha Mitchell Sci. Soc. **36**: 98, 1, 7 (1920).

*Rhododendron atlanticum* var. *luteo-album* Rehder in Wilson & Rehder, Monog. Azal. 150 (1921).

**R. pennsylvanicum** (*R. atlanticum* × *nudiflorum*) (Gable) Rehder in Jour. Arnold Arb. **20**: 425 (1939).

*Azalea pennsylvanica* (*A. atlantica* × *nudiflora*) Gable, Price-list Orn. Trees Shrubs, Spring, **1930**: [10] (1930), nom. subnud.

**R. viscosum** (L.) Torrey, Fl. U. S. 424 (1824). — Rehder in Wilson & Rehder, Monog. Azal. 157 (1921).

*Azalea viscosa* Linnaeus, Sp. Pl. **1**: 151 (1753). — Small in N. Am. Fl. **29**: 42 (1914), p. p. typica.

*Azalea viscosa alba* C. F. Ludwig, Neu. Wilde Baumz. **6** (1783).

*Azalea viscosa palustris* Marshall, Arbust. Am. **16** (1785).

*Rhododendron venustum* Salisbury, Prodr. Stirp. Chap. Allert. **287** (1796), p. p.

*Azalea viscosa a. virens* Michaux, Fl. Bor.-Am. **1**: 151 (1803).

*Azalea viscosa* 3. *A. virens* Dumont de Courset, Bot. Cult. **3**: 335 (1811).

*Anthodendron viscosum* Reichenbach in Mössler, Handb. Gewächsk. ed. 2, **1**: 309 (1827).

**R. viscosum** f. **rhodanthum** Rehder in Wilson & Rehder, Monog. Azal. 160 (1921).

**R. viscosum** var. **glaucum** (Ait.) Torrey, Fl. U. S. **1**: 425 (1824). — Voss, Vilmor. Blumengärt. **1**: 588 [1894] "f." — Rehder in Wilson & Rehder, Monog. Azal. 160 (1921). — Fernald in Rhodora, **43**: 623 (1941) "f."

*Azalea glauca glabra* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. **5** [1782?], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. **6** (1783), nom. subnud.

*Azalea viscosa* 8. *floribunda* Aiton, Hort. Kew. **1**: 203 (1789). — Dumont de Courset, Bot. Cult. ed. 2, **3**: 334 (1811) "A. v. var. A. fl."

*Azalea viscosa e. glauca* Aiton, l. c. (1789). — Michaux, Fl. Bor.-Am. **1**: 151 (1803) "β." — Britton & Brown, Ill. Fl. N. U. S. **2**: 560 (1897) "A. v. g."

*Azalea glauca* Lamarck, Tab. Encycl. Méth. Bot. **1**: 493, t. 110, fig. 2 (1791).

*Rhododendron glaucum* Sweet, Hort. Brit. ed. 2, 344 (1830). — G. Don, Gen. Hist. Dichlam. Pl. **3**: 848 (1834).

**R. viscosum** f. **rubescens** (Lodd.) Rehder in Wilson & Rehder, Monog. Azal. 161 (1921).

*Azalea viscosa pubescens* Loddiges, Bot. Cab. **5**: t. 441 (1820), nom. subnud.; sphalm. pro "rubescens"?

*Azalea viscosa η. rubescens* Sweet, Hort. Brit. 266 (1826), nom.

*Azalea viscosa rubescens* Loddiges, Bot. Cab. **16**: t. 1518 (1829), nom. subnud.

*Rhododendron viscosum η. rubescens* Sweet, Hort. Brit. ed. 2, 344 (1830), nom.

*Rhododendron viscosum θ. pubescens* Sweet, l. c. (1830), sphalm. pro "rubescens."

*Azalea glauca* var. *rosea* Jäger, Ziergeh. **118** (1865).

*Rhododendron viscosum f. roseum* Hollick in Bull. Torrey Bot. Club, **18**: 256 (1891).

**R. viscosum** var. **nitidum** (Pursh) Gray, Syn. Fl. N. Am. **2**, **1**: 41 (1878). — Voss, Vilmor. Blumengärt. **1**: 588 [1894] "f." — Rehder in Wilson & Rehder, Monog. Azal. 162 (1921).

?*Azalea lucida* Meerburgh, Pl. Select. Icon. p. [3] t. 7 (1798). — Rehder in Wilson & Rehder, Monog. Azal. 198 (1921), pro syn.

?*Azalea viscosa* subvar. *A. spatulata* Dumont de Courset, Bot. Cult. **3**: 335 (1811).

*Azalea nitida* Pursh, Fl. Am. Sept. **1**: 153 (1814). — Lindley in Bot. Reg. **5**: t. 414 (1819).

*Azalea viscosa* var. *nitida* Gray, Man. Bot. N. U. S. ed. 2, 257 (1856). — Britton & Brown, Ill. Fl. N. U. S. **2**: 560 (1897) "A. v. n."

**R. viscosum** var. **montanum** Rehder in Wilson & Rehder, Monog. Azal. 164 (1921).

**R. viscosum** f. **coerulescens** Rehder in op. cit. 165 (1921) "var. *montanum* f. c."

**R. viscosum** var. **hispidum** (Pursh) Schneider, Ill. Handb. Laubh. **2**: 502 (1911). — Rehder in op. cit. 163 (1921).

?*Azalea scabra* Hort. ex Michaux, Fl. Bor.-Am. **1**: 151 (1803), pro syn.

?*Azalea viscosa* var. *A. scabra* Dumont de Courset, Bot. Cult., ed. 2, **3**: 335 (1811).

*Azalea hispida* Pursh, Fl. Am. Sept. **1**: 154 (1814). — Watson, Dendr. Brit. **1**: t. 6 (1825).

*Rhododendron hispidum* Torrey, Fl. N. Middle U. S. **1**: 425 (1824). — Loudon, Arb. Brit. **2**: 1144, fig. 948 (1838).

*Azalea glauca β. hispida* Heynhold, Nomencl. Bot. Hort. **1**: 108 (1840).

- Azalea viscosa* var. *hispida* Wood, Classb. Bot. 490 (1870). — Britton in Mem. Torrey Bot. Club, 5: 248 (1894).  
*Rhododendron viscosum* f. *hispidum* Voss, Vilmor. Blumengärt. 1: 588 [1894].
- R. viscosum** var. **tomentosum** (Dum. de Cours.) Rehder in Wilson & Rehder, Monog. Azal. 162 (1921).  
*Azalea tomentosa* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 5 [1782?], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 7 (1783), nom. subnud.  
*Azalea viscosa* var. *A. tomentosa* Dumont de Courset, Bot. Cult. ed. 2, 3: 336 (1811). — Hort. Angl. ex Bosse, Vollst. Handb. Blumengärt. ed. 2, 1: 341 (1840) "*A. v. t.*", pro syn.  
 ?*Azalea tomentosa* Dur. ex Steudel, Nomencl. Bot. 1: 96 (1821), pro syn. — Du Roi ex Bosse, l. c. (1840).
- R. viscossepalum** (*R. molle* × *viscosum*) (R. A. in Gard. Chron.) Rehder in Wilson & Rehder, Monog. Azal. 182 (1921).  
*Azalea viscossepala* R. A. in Gard. Chron. 1842: 352 (1842). — Suringar in Nederl. Dendr. Vereen. Jaarb. 1931(7): 66 [1932].  
*Azalea viscoscephala* Arb. Kew in herb. ex Rehder, l. c. (1921), pro syn.
- R. viscossepalum** var. **Daviesii** (R. D. in Gard. Chron.) Rehder, l. c. (1921).  
*Azalea Daviesii* R. D. in Gard. Chron., ser. 2, 12: 200 (1879).  
*Azalea hybrida Daviesii* Hort. ex Brettschneider in Gartenfl. 42: 65, t. 1387 (1893).  
*Rhododendron Daviesii* Davies ex Zabel in Mitt. Deutsch. Dendr. Ges. 1902(11): 30 (1902), nom.: non Dean (1881).
- R. serrulatum** (Small) Millais, Rhodod. 241 (1917). — Rehder in Wilson & Rehder, Monog. Azal. 153 (1921). — [B. Y. Morrison] in Nat. Hort. Mag. 16: 260, fig. (p. 252) (1937).  
*Azalea viscosa* sensu Hooker in Comp. Bot. Mag. 1: 100 (1835), non Linnaeus (1753).  
*Rhododendron viscosum* sensu Chapman, Fl. S. U. S. 265 (1865), non Torrey (1824).  
*Azalea serrulata* Small, Fl. Southeast. U. S. 883, 1336 (1903); in N. Am. Fl. 29: 43 (1914).
- R. oblongifolium** (Small) Millais, Rhodod. 219 (1917). — Rehder in Wilson & Rehder, Monog. Azal. 150 (1921).  
*Azalea oblongifolia* Small, Fl. Southeast. U. S. 883, 1336 (1903); in N. Am. Fl. 29: 43 (1914).
- R. aborescens** (Pursh) Torrey, Fl. N. Middle U. S. 425 (1824). — Rehder in op. cit. 166 (1921).  
 ?*Azalea viscosa* sensu Marshall, Arbust. Am. 15 (1785), non Linnaeus (1753).  
*Azalea aborescens* Pursh, Fl. Am. Sept. 1: 152 (1814).  
*Azalea verticillata* Carr, Cat. Trees Shrubs Bartram's Bot. Gard. 11 (1814), nom. — Loddiges, Bot. Cab. 17: t. 1632 (1830).  
*Azalea arborea* Bartram ex Pursh, Fl. Am. Sept. 1: 152 (1814), pro syn.  
*Azalea fragrans* Rafinesque, Ann. Nat. 12 (1820).
- R. aborescens** f. **flavescens** Rehder in Jour. Arnold Arb. 7: 244 (1926).
- R. aborescens** f. **rubescens** Rehder, l. c. (1926).
- R. aborescens** var. **Richardsonii** Rehder in Wilson & Rehder, Monog. Azal. 168 (1921).
- R. prunifolium** (Small) Millais, Rhodod. 230 (1917). — Rehder, op. cit. 169 (1921).  
*Azalea prunifolia* Small, Fl. Southeast. U. S. ed. 2, 1356, 1375 (1913); in N. Am. Fl. 29: 44 (1914).
- Subgen. iv. THERORHODION (Maxim.) Drude in Nat. Pflanzenfam. IV, 1: 37 [1889].  
*Rhododendron* sect. *Chamaecistus* G. Don, Gen. Hist. Dichlam. Pl. 3: 845 (1834), p. p.  
*Rhododendron* sect. *Therorhodion* Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 47 (Rhodod. As. Or.) (1870). — Benthams & Hooker f., Gen. Pl. 2: 602 (1876) "ser."  
*Therorhodion* Small in N. Am. Fl. 29: 45 (1914). — Nakai, Trees Shrubs Jap. rev. ed., 1: 40, fig. 17 (1927).  
 SERIES cf. Tagg in Rhodod. Soc., Spec. Rhodod.: ser. *Camtschaticum* (p. 187) (1930). — Rehder, Man. Cult. Trees Shrubs, 2, 723 (1940), pro syn.
- R. camtschaticum** Pallas, Fl. Ross. 1,1: 48, t. 33 (1784); 8° ed., 1: 114 (1789). — De Candolle, Prodr. 7,2: 726 (1839) "*Kamtschaticum*." — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 47 (Rhodod. As. Or.) (1870) "*kamtschaticum*." — E. Busch in N. Busch, Fl. Sibir. Extr. Or. (pt. 2) 63: 35, fig. (1915) "*kamtschaticum*."  
*Rhododendron kamtschaticum* Lindley in Paxton's Flow. Gard. 1: 113, t. 22 (1850).  
*Chamaecistus kamtschaticus* Regel, Russk. Dendrol. 3: 196 (1873).  
*Azalea kamtschatica* Kuntze, Rev. Gen. Pl. 2: 387 (1891).  
*Therorhodion camtschaticum* Small in N. Am. Fl. 29: 45 (1914).  
*Rhododendron kamtschaticum* subsp. *typicum* Hultén, Fl. Kamtsch atka, 4: 14 (1930).
- MENZIESIA** J. E. Smith, Pl. Icon. Ined. 3: t. 56 (1791). — Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 7 (Rhodod. As. Or.) (1870). — Small in N. Am. Fl. 29: 49 (1914).  
 TYPUS: *M. ferruginea* Sm.
- M. pilosa** (Michx.) Jussieu in Ann. Mus. Hist. Nat. Paris, 1: 56 (1802). — Persoon, Syn. Pl. 1: 420 (1805). — Small in N. Am. Fl. 29: 49 (1805).  
*Azalea pilosa* Michaux in Jour. Hist. Nat. Paris, 1: 410 (1792).  
*Menziesia Smithii* Michaux, Fl. Bor.-Am. 1: 235 (1803).  
*Menziesia globularis* Salisbury in W. Hooker, Parad. Londin. 1: t. 44 (1806).  
*Menziesia ferruginea* β. [*globularis*] Sims in Bot. Mag. 38: t. 1571 (1813). — Gray, Syn. Fl. N. Am. 2,1: 39 (1878) "var. (*globularis*) Sims," pro syn. — Schneider, Ill. Handb. Laubh. 2: 511 (1911) "var. *globularis* Sims," pro syn.
- M. ferruginea** J. E. Smith, Pl. Icon. Ined. t. 56 (1791). — Gray, Syn. Fl. N. Am. 2,1: 39 (1878). — Small in N. Am. Fl. 29: 50 (1914).  
*Menziesia urceolaris* Salisbury in W. Hooker, Parad. Londin. 1: t. 44, in textu (1806).
- M. glabella** Gray, Syn. Fl. N. Am. 2,1: 39 (1878). — Small in N. Am. Fl. 29: 49 (1914).  
*Menziesia globularis* sensu Hooker, Fl. Bor.-Am. 2: 41 [1834], non Salisbury (1806).  
*Menziesia ferruginea* var. *glabella* M. E. Peck in Madroño, 6: 135 (1941).
- M. ciliicalyx** (Miq.) Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, 16,9: 10, t. 1, fig. 1-6 (Rhodod. As. Or.)

**Menziesia ciliicalyx** (*continued*)

(1870).—Nakai, *Trees Shrubs Jap. rev. ed.*, **1**: 45, fig. 19 (1927).

*Andromeda* ? *ciliicalyx* Miquel in *Ann. Mus. Bot. Lugd.-Bat.* **1**: 30 (1863).

*Menziesia ferruginea* sensu Franchet in *Bull. Soc. Bot. France*, **26**: 86 (1879), non Smith (1791).

**M. ciliicalyx** var. **multiflora** (Maxim.) Makino in *Bot. Mag. Tokyo*, **22**: 159 (1908).—Miyoshi in *Jour. Coll. Sci. Tokyo*, **27**, **11**: 9, t. 3, fig. 5–8 (1910).

*Menziesia multiflora* Maximowicz in *Mém. Acad. Sci. St. Pétersb. sér. 7*, **16**, **9**: 11, t. 1, fig. 7–12 (*Rhodod. As. Or.*) (1870).

**M. purpurea** Maximowicz in *Bull. Acad. Sci. St. Pétersb.* **11**: 432 (in *Mél. Biol.* **6**: 204) (1867); in *Mém. Acad. Sci. St. Pétersb. sér. 7*, **16**, **9**: 11, t. 1, fig. 13–19 (*Rhodod. As. Or.*) (1870).—Nakai, *Trees Shrubs Jap. rev. ed.*, **1**: 32, fig. 17 (1927).

*Menziesia ciliicalyx* β. *purpurea* Makino in *Jour. Jap. Bot.* **1**: 10 (1916).

**M. pentandra** Maximowicz in *Bull. Acad. Sci. St. Pétersb.* **11**: 432 (in *Mél. Biol.* **6**: 205) (1867); in *Mém. Acad. Sci. St. Pétersb. sér. 7*, **16**, **9**: 9 (*Rhodod. As. Or.*) (1870).—Fedtschenko, *Fl. Ross. As.* **9**: 30, fig. 10 (1916).—Nakai, *Trees Shrubs Jap. rev. ed.*, **1**: 50, fig. 22 (1927).

*Menziesia ferruginea* var. (*M. globularis*) sensu Gray in *Mem. Am. Acad. Arts Sci., n. ser.* **6**: 399 (*Diagn. Charact. New Spec. Phan. Jap.*) (1859).—Maximowicz, l. c. (1870) "*M. f.* var. *globularis* A. Gray" pro syn.—Non *M. g. Salisbury* (1806).

**TSUSIOPHYLLUM** Maximowicz in *Mém. Acad. Sci. St. Pétersb. sér. 7*, **16**, **9**: 12 (*Rhodod. As. Or.*) (1870).—Bentham & Hooker f., *Gen. Pl.* **2**: 602 (1876).

TYPE: *T. Tanakae* Maxim.

**T. Tanakae** Maximowicz in op. cit. **12**, t. 3, fig. 1–8 (1870).—Nakai, *Trees Shrubs Jap. rev. ed.*, **1**: 39, fig. 16 (1927).

**LEIOPHYLLUM** [Pers.] Hedwig, *Gen. Pl.* 313 (1806).—Bentham & Hooker f., *Gen. Pl.* **2**: 597 (1876).—Fernald in *Rhodora*, **29**: 226 (1927).—Camp in *Bull. Torrey Bot. Club*, **65**: 99 (1938).—Non *Leiophyllum* Ehrhart (1780), uninom.

TYPE: *Ledum buxifolium* Bergius = *Leiophyllum buxifolium* (Berg.) Elliott.

*Ledum* † *Leiophyllum* Persoon, *Syn. Pl.* **1**: 477 (1805). *Dendrium* Desvaux in *Jour. de Bot. (Desvaux)* **1**: 36 (1813).—Small in *N. Am. Fl.* **29**: 38 (1914).

*Ammyrsine* Pursh, *Fl. Am. Sept.* **1**: 301 (1814).

*Fischera* Swartz in *Mém. Soc. Nat. Moscou*, **5**: 14 (1817), non Sprengel (1813), nec *Fischeria* De Candolle (1813).

**L. buxifolium** (Bergius) Elliott, *Sketch Bot. S.-Carol.* **1**: 483 [1817].—Gray, *Syn. Fl. N. Am.* **2**, **1**: 43 (1878).

*Ledum buxifolium* Bergius in *Act. Acad. Sci. Petrop.* **1777**, **1**: 214, t. 3, fig. 2 (1778).

*Ledum thymifolium* Lamarck, *Encycl. Méth. Bot.* **3**: 459 [1791].

*Dendrium buxifolium* Desvaux in *Jour. de Bot. (Desvaux)* **1**: 36 (1813).

*Ammyrsine buxifolia* Pursh, *Fl. Am. Sept.* **1**: 301 (1814).

*Fischera buxifolia* Swartz in *Mém. Soc. Nat. Moscou*, **5**: 14 (1817).

*Leiophyllum thymifolium* Eaton, *Man. Bot. n. Am. ed.*

**2**, 298 (1818).—G. Don, *Gen. Hist. Dichlam. Pl.* **3**: 851 (1834).

*Leiophyllum serpyllifolium* De Candolle, *Prodr.* **7**, **2**: 730 (1839).

*Ledum serpyllifolium* L'Héritier mss. ex De Candolle, l. c. (1839), pro syn.

*Leiophyllum buxifolium* var. *typicum* Schneider, *Ill. Handb. Laubb.* **2**: 512 (1911).

**L. buxifolium** var. **Hugeri** (Small) Schneider, l. c. (1911).

*Dendrium Hugeri* Small in *Bull. Torrey Bot. Club*, **28**: 360 (1901); in *N. Am. Fl.* **29**: 39 (1914).

*Leiophyllum Hugeri* Hort. ex Bergmans, *Vaste Pl. Rotsheest*, 314 (1924).

*Dendrium buxifolium* var. *Hugeri* Copeland in *Am. Midland Nat.* **30**: 568 (1943).

**L. buxifolium** var. **prostratum** (Loud.) Gray, *Syn. Fl. N. Am.* **2**, **1**: 44 (1878).—Fox in *Nat. Hort. Mag.* **21**: 36, fig. (1942).

*Ammyrsine Lyoni* Sweet, *Hort. Brit. ed. 2*, 344 (1830), nom. subnud.

*Ammyrsine prostrata* Loudon, *Hort. Brit.* 477 (1832).

*Leiophyllum prostratum* Loudon, *Arb. Brit.* **2**: 1155 (1838).

*Leiophyllum Lyoni* Sweet, *Hort. Brit. ed. 3*, 444 (1839).

*Dendrium buxifolium prostratum* Ashe in *Bot. Gaz.* **24**: 377 (1897).

*Dendrium prostratum* Small, *Fl. Southeast. U. S.* 882, 1336 (1903).

*Dendrium Lyoni* Small in *N. Am. Fl.* **29**: 39 (1914).

**LOISELEURIA** Desvaux in *Jour. de Bot. (Desvaux)* **1**: 35 (1813).—Bentham & Hooker f., *Gen. Pl.* **2**: 595 (1876).—Rehder in *Jour. Arnold Arb.* **2**: 156 (1921).—*NOM. CONSERV.*: cf. *Règl. Intern. Nomencl. Bot.* 88, no. 6189 (1906).

*Azalea* Linnaeus, *Sp. Pl.* 150 (1753), quoad sp. typ. no. 6.—Salisbury, *Prodr. Stirp. Chap. Allert.* 286 (1796).—Lindley, *Veg. Kingd.* 455 (1846).—Rehder in op. cit. 157 (1921), pro syn.

*Chamaecistus* Oeder, *Icon. Fl. Dan.* **1**: 4, t. 9 (1761), nom. subnud.—S. F. Gray, *Nat. Arr. Brit. Pl.* **2**: 401 (1821).—Britton & Brown, *Ill. Fl. N. U. S. ed. 2*, **2**: 683 (1913).

*Chamaeledon* Link, *Enum. Pl. Hort. Berol.* **1**: 211 (1821).

TYPE: *Azalea procumbens* L. = *L. procumbens* (L.) Desv.

**L. procumbens** (L.) Desvaux in *Jour. de Bot. (Desvaux)* **1**: 35 (1813).—Gray, *Syn. Fl. N. Am.* **2**, **1**: 44 (1878).—Small in *N. Am. Fl.* **29**: 40 (1914).

*Azalea procumbens* Linnaeus, *Sp. Pl.* 151 (1753).

*Chamaecistus serpyllifolia* S. F. Gray, *Nat. Arr. Brit. Pl.* **2**: 401 (1821).

*Chamaeledon procumbens* Link, *Enum. Pl. Hort. Berol.* **1**: 211 (1821).

*Rhododendron procumbens* Wood, *Classb. Bot.* 236 (1845).

*Chamaecistus procumbens* Kuntze, *Rev. Gen. Pl.* **2**: 388 (1891).

**RHODOTHAMNUS** Reichenbach in Mössler, *Handb. Gewächsk. ed. 2*, **1**: 688 (1827).—Bentham & Hooker f., **2**: 596 (1876).—*NOM. CONSERV.* cf. *Règl. Intern. Nomencl. Bot.* 88, no. 6191 (1906).

*Rhododendron* Linnaeus, *Sp. Pl.* 392 (1753), p. p. quoad sp. 4.

- Adodendron* Necker, Elem. Bot. 1: 214 (1790).  
 Typus: *Rhododendron Chamaecistus* L. = *Rhodothamnus Chamaecistus* (L.) Reichenb.
- R. Chamaecistus** (L.) Reichenbach, l. c. (1827); Icon. Fl. Germ. Helv. 17: 18, t. 1157, fig. 4, 5 (1855).—Hegi, Ill. Fl. Mittel-Eur. 5,3: 1645, fig. 2660-2, t. 206, fig. 3 [1926].  
*Rhododendron Chamaecistus* Linnaeus, Sp. Pl. 392 (1753).  
*Adodendron Chamaecistus* Kuntze, Rev. Gen. Pl. 2: 385 (1891).
- PHYLLOTHAMNUS** (*Phyllodoce* × *Rhodothamnus*) Schneider, Ill. Handb. Laubh. 2: 515 (1911).  
 Typus: *Bryanthus erectus* Lindl. = *P. erectus* (Lindl.) Schneid.
- P. erectus** (*P. empetrifolius* × *R. Chamaecistus*) (Lindl.) Schneider, l. c. fig. 3370 (1911).  
*Bryanthus erectus* Lindley & Paxton in Paxton's Flow. Gard. 1: 97, t. 19 (1850).  
*Menziesia erecta* Lemaire in Jardin Fleur. 1: t. 58 (1851), nom. tentat.  
*Phyllodoce erecta* Drude in Nat. Pflanzenfam. IV. 1: 39 [1889].
- KALMIOPSIS** Rehder in Jour. Arnold Arb. 13: 31 (1932).  
 Typus: *Rhododendron Leachianum* Henders. = *K. Leachiana* (Henders.) Rehd.
- K. Leachiana** (Henders.) Rehder in op. cit. 32, t. 40 (1932).  
*Rhododendron Leachianum* L. F. Henderson in Rhodora, 33: 205 (1931).  
*Rhodothamnus Leachianus* Copeland in Am. Midland Nat. 30: 565, fig. 67-74, (1943).
- KALMIA** Linnaeus, Sp. Pl. 391 (1753); Gen. Pl. ed. 5, 185, no. 482 (1754).—Bentham & Hooker f., Gen. Pl. 2: 596 (1876).  
*Chamaedaphne* Catesby ex Kuntze, Rev. Gen. Pl. 2: 388 (1891), non Moench (1794).  
*Kalmiella* Small, Fl. Southeast. U. S. 886, 1336 (1903); in N. Am. Fl. 29: 54 (1914).  
 LECTOTYPUS: *K. latifolia* L.
- K. latifolia** Linnaeus, Sp. Pl. 391 (1753).—Gray, Syn. Fl. N. Am. 2,1: 38 (1878).  
*Kalmia lucida* Hort. ex K. Koch, Dendr. 2,1: 152 (1872), pro syn.  
*Kalmia nitida* Hort. ex K. Koch, l. c. (1872), pro syn.; non Forbes (1833).  
*Chamaedaphne latifolia* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- K. latifolia** f. *alba* [Bosse] Rehder in Rhodora, 12: 2 (1910).  
*Kalmia latifolia* var. *alba* Bosse, Vollst. Handb. Blumengärt. ed. 2, 2: 348 (1841).—Mouillefert, Traité Arb. Arbriss. 2: 1027 [1897].
- K. latifolia** f. *rubra* Sweet ex K. Koch, Dendr. 2,1: 152 (1872).—Rehder in Bailey, Cycl. Am. Hort. [2]: 854 (1900) "var."; in Rhodora, 12: 2 (1910) "f."  
*Kalmia latifolia Pavarii* André in Rev. Hort. 1888: 540, t. (1888).
- K. latifolia** f. *fuscata* (Rehd.) Rehder in Rhodora, 12: 2 (1910).  
*Kalmia latifolia* var. *fuscata* Rehder in Möller's Deutsch. Gärt.-Zeit. 18: 578 (1903).
- K. latifolia** f. *polypetala* (Nichols.) Rehder in Rhodora, 12: 1 (1910).  
*Kalmia latifolia* [forma] Gray in Am. Naturalist, 4: 373 (1871).—Sargent in Gard. & For. 3: 452, fig. 56 (1890).  
*Kalmia latifolia* var. *polypetala* [Nicholson in] Kew Hand-list Trees Shrubs, 2: 49 (1896).  
*Kalmia latifolia* var. *d. monstrosa* Mouillefert, Traité Arb. Arbriss. 2: 1027 [1897].—Rehder in Bailey, Cycl. Am. Hort. [2]: 854 (1900).
- K. latifolia** f. *angustata* Rehder in Jour. Arnold Arb. 26: 481 (1945).
- K. latifolia** f. *myrtifolia* [Jäger] K. Koch, Dendr. 2,1: 153 (1872).—Rehder in Rhodora, 12: 2 (1910).  
*Kalmia latifolia* var. *myrtifolia* Bosse, Vollst. Handb. Blumengärt. ed. 2, 2: 348 (1841), nom.—Jäger, Ziergeh. 280 (1864).  
*Kalmia latifolia* f. *minor* K. Koch, l. c. (1872).  
*Kalmia latifolia* var. *nana* Lavallée, Arb. Segrez. 139 (1877); nom.—Mouillefert, Traité Arb. Arbriss. 2: 1027 [1897].
- K. latifolia** f. *obtusata* (Rehd.) Rehder in Rhodora, 12: 2 (1910).  
*Kalmia latifolia* var. *obtusata* Rehder in Möller's Deutsch. Gärt.-Zeit. 18: 577 (1903).
- K. latifolia** var. *laevipes* Fernald in Rhodora, 42: 53 (1940).
- K. polifolia** Wengenheim in Schrift. Ges. Naturf. Fr. Berlin, 8,2 (Beob. 2,2): 129, t. 5 (1788).—Small in N. Am. Fl. 29: 53 (1914).  
*Kalmia polifolia* C. F. Ludwig, Neu. Wilde Baumz. 25 (1783), nom.  
*Kalmia glauca* Loddiges ex C. F. Ludwig, l. c. (1783), pro syn.—W. Young, Cat. Arb. Arbust. Am 12 (1783), nom.—Aiton, Hort. Kew. 2: 64 (1789).—Gray, Syn. Fl. N. Am. 2,1: 38 (1878).  
 ?*Kalmia lanceolata* Rafinesque, Autik. Bot. 86 (1840).  
*Chamaedaphne glauca* Kuntze, Rev. Gen. Pl. 2: 388 (1891).  
*Kalmia occidentalis* Small, l. c. (1914).
- K. polifolia** var. *rosmarinifolia* [Pursh] Rehder in Bailey, Cycl. Am. Hort. [2]: 854 (1900); in Bailey, Stand. Cycl. Hort. 3: 1734 (1915).  
*Kalmia glauca* β. *rosmarinifolia* Pursh, Fl. Am. Sept. 1: 296 (1814).
- K. polifolia** var. *microphylla* [Hook.] Rehder, l. c. (1900); l. c. (1915).  
*Kalmia glauca* γ. *microphylla* Hooker, Fl. Bor.-Am. 2: 41 [1834].  
*Kalmia microphylla* A. Heller in Bull. Torrey Bot. Club, 25: 581 (1898).—Small in N. Am. Fl. 29: 53 (1914).
- K. angustifolia** Linnaeus, Sp. Pl. 391 (1753).—Small in N. Am. Fl. 29: 52 (1914).  
 ?*Kalmia ferruginea* Rafinesque, Autik. Bot. 86 (1840).  
*Chamaedaphne angustifolia* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- K. angustifolia** f. *rubra* [Lodd.] Zabel in Beissner et al., Handb. Laubh.-Ben. 386 (1903).  
*Kalmia angustifolia rubra* Loddiges, Bot. Cab. 6: t. 502 (1821).  
*Kalmia angustifolia* f. *hirsuta* hort. ex Voss, Vilmor. Blumengärt. 1: 591 [1894].—Schneider, Ill. Handb. Laubh. 2: 516 (1911).



**Kalmia** (continued)

- K. angustifolia** f. *candida* Fernald in Rhodora, **15**: 151 (1913).
- K. angustifolia** var. *ovata* Pursh, Fl. Am. Sept. **1**: 296 (1814).
- K. carolina** Small, Fl. Southeast. U. S. 886 (1903); in N. Am. Fl. **29**: 52 (1914).  
*Kalmia Caroliniana* Small, op. cit. 1336 (1903).
- K. cuneata** Michaux, Fl. Bor.-Am. **1**: 257 (1803).—Small in N. Am. Fl. **29**: 52 (1914).  
*Chamaedaphne cuneata* Kuntze, Rev. Gen. Pl. **2**: 388 (1891).
- K. hirsuta** Walter, Fl. Carol. 138 (1788).—Gray, Syn. Fl. N. Am. **2,1**: 39 (1878).  
*Kalmia ciliata* Bartram, Trav. N. & S. Carol. v, 1, 171, 242 (1791), nom.—Dumont de Courset, Bot. Cult. ed. 2, **3**: 323 (1811), pro syn.—Merrill in Bartonias, **23**: 27 (1945).  
*Chamaedaphne hirsuta* Kuntze, Rev. Gen. Pl. 388 (1891).  
*Kalmiella hirsuta* Small, Fl. Southeast. U. S. 886, 1336 (1903).

**PHYLLODOCE** Salisbury in W. Hooker, Parad. London. **1**: t. 36 (1806).—Bentham & Hooker f., Gen. Pl. **2**: 595 (1876).

*Andromeda Linnaeus*, Sp. Pl. 393 (1753), p. p. quoad sp. 3.

*Menziesia* b. *Phyllodoce* Endlicher, Gen. Pl. 755 [1839].  
*Bryanthus* §. 1. *Parabryanthus* et §. 2. *Phyllodoce* Gray, Syn. Fl. N. Am. **2,1**: 37 (1878).

*Phyllodoce* subgen. *Eu-Phyllodoce* Gray ex Drude in Nat. Pflanzenfam. IV. **1**: 40 [1889].

TYPE: *Andromeda taxifolia* Pallas = *P. coerulea* (L.) Babington.

**P. coerulea** (L.) Babington, Man. Brit. Bot. 194 (1843) "*caerulea*."—Grenier & Godron, Fl. France, **2**: 434 (1850) "*caerulea*."—Nakai, Fl. Sylv. Kor. **8**: 24, t. 5 (1919) "*caerulea*."

*Andromeda caerulea* Linnaeus, Sp. Pl. 393 (1753).

*Andromeda taxifolia* Pallas, Fl. Ross. **1,2**: 54, t. 72, fig. 2 (1788).

*Erica coerulea* Willdenow, Sp. Pl. **2**: 393 (1799).

*Erica arctica* Waitz, Besch. Gatt. Art. Heid. 189 (1803), nom. tentat. pro *E. coerulea* Willd.

*Phyllodoce taxifolia* Salisbury, Parad. London. **1**: t. 36 (1806).

*Menziesia coerulea* Swartz in Trans. Linn. Soc. Lond. **10**: 377 (1811).

*Menziesia taxifolia* Robbins ex Wood, Classb. Bot. ed. 2, 373 (1847).

*Bryanthus taxifolius* Gray in Proc. Am. Acad. Arts Sci. **7**: 368 (1868); Syn. Fl. N. Am. **2,1**: 37 (1878).

*Phyllodoce taxifolia* a. *genuina* Herder in Act. Hort. Petrop. **1**: 336 (Pl. Radd. Monopet.) (1872).

*Bryanthus coeruleus* Dippel, Handb. Laubh. **1**: 385 (1889).

**P. glanduliflora** (Hook.) Coville in Mazama, **1**: 196 (1897).—Small in N. Am. Fl. **29**: 51 (1914).

*Menziesia Aleutica* sensu Bongard in Mém. Acad. Sci. St. Pétersb. sér. 6, **2**: 154, t. 3 (Obs. Vég. Sitcha, 36. 1832) (1833), non Sprengel (1825).

*Menziesia glanduliflora* Hooker, Fl. Bor.-Am. **2**: 40 [1834].

*Bryanthus glanduliflorus* Gray in Proc. Am. Acad. Arts Sci. **7**: 368 (1868); Syn. Fl. N. Am. **2,1**: 37 (1878).

**P. aleutica** (Spreng.) A. Heller in Muhlenbergia, **1**: 1 (1900).—Makino in Bot. Mag. Tokyo, **19**: 134 (1905).—Small in N. Am. Fl. **29**: 51 (1914).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 29, fig. 10 (1927).—Hultén, Fl. Kamtchatka, **4**: 19, t. 2 (Svenska Vetensk. Akad. Handl. ser. 3, **8,2**) (1930).

*Menziesia Aleutica* Sprengel, Syst. Veg. **2**: 202 (1825).

*Phyllodoce Pallasiana* D. Don in Edinb. New Philos. Jour. **17**: 159 (1834).

*Bryanthus Aleuticus* Gray in Proc. Am. Acad. Arts Sci. **7**: 368 (1868).

*Phyllodoce taxifolia* β. *P. aleutica* Herder in Act. Hort. Petrop. **1**: 337 (Pl. Radd. Monopet.) (1872).

**P. empetriformis** (Sm.) D. Don in Edinb. New Philos. Jour. **17**: 160 (1834).—Small in N. Am. Fl. **29**: 51 (1914).

*Menziesia empetriformis* J. E. Smith in Trans. Linn. Soc. Lond. **10**: 380 (1811).

*Menziesia Grahami* Hooker, Fl. Bor.-Am. **2**: 40 [1834].

*Bryanthus empetriformis* Gray in Proc. Am. Acad. Arts Sci. **7**: 367 (1868).

**P. intermedia** [*P. empetriformis* × *glanduliflora*] (Hook.) Rydberg in Mem. New York Bot. Gard. **1**: 298 (1900).

—Camp in New Fl. & Silva, **12**: 210, fig. 75 (1940).

*Menziesia intermedia* Hooker, Fl. Bor.-Am. **2**: 40 [1834].

*Bryanthus empetriformis* var. *intermedius* Gray, Syn. Fl. N. Am. **2,1**: 37 (1878).

*Phyllodoce intermedia* Rydberg in Mem. New York Bot. Gard. **1**: 298 (1900).

*Phyllodoce hybrida* Rydberg, l. c. (1900).

*Phyllodoce pseudoempetriformis* Stoker in New Fl. & Silva, **12**: 40, fig. 9 (1939), nom. provis.

**P. nipponica** Makino in Bot. Mag. Tokyo, **19**: 134 (1905); in Rep. Sp. Nov. Reg. Veg. **8**: 111 (1910).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 31, fig. 11 (1927).**P. nipponica** var. *amabilis* (Stapf) Stoker in Jour. Hort. Soc. Lond. **63**: 570 (1938).

*Phyllodoce amabilis* Stapf in Bot. Mag. **137**: t. 8405 (1911).

*Phyllodoce empetriformis* var. *amabilis* Rehder in Mitt. Deutsch. Dendr. Ges. **1914**(23): 263 [1915].

**P. tsugaefolia** Nakai, Trees Shrubs Jap. **1**: 24, fig. 11 (1922); ed. 2, 32, fig. 12 (1927).

*Phyllodoce nipponica* var. *tsugaefolia* Osborn in Gard. Chron. ser. 3, **119**: 266, fig. 115 (1946), nom. subnud.

**P. Breweri** (Gray) Heller in Muhlenbergia, **1**: 1 (1900).

—Small in N. Am. Fl. **29**: 51 (1914).—Stoker in New Fl. & Silva, **12**: 42, fig. 10, 11 (1939).

*Bryanthus Breweri* Gray in Proc. Am. Acad. Arts Sci. **7**: 367 (1868); Syn. Fl. N. Am. **2,1**: 37 (1878).

**BRYANTHUS** S. G. Gmelin, Fl. Sibir. **4**: 132, t. 57, fig. 3 (1769).—Steller mss. ex pallas, Fl. Ross. **1,2**: 57 (1788); 8° ed., **1**, **2**: 111 (1790); pro syn.—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 4 (Rhodod. As Or.) (1870).

*Menziesia* a. *Bryanthus* Endlicher, Gen. Pl. 755 [1839].

TYPE: *Andromeda bryantha* L. = *B. Gmelini* D. Don

**B. Gmelini** D. Don in Edinb. New Philos. Jour. **17**: 160 (1834).—Maximowicz in Mém. Acad. Sci. St. Pétersb. sér. 7, **16,9**: 4 (Rhodod. As Or.) (1870).—Hultén, Fl. Kamtchatka, **4**: 24, t. 1a-e (Svenska Vetensk. Akad. Handl. ser. 3, **8,2**) (1930).

*Andromeda bryantha* Linnaeus, Mant. Pl. 238 (1767).—

- Poiret, Encycl. Méth. Bot. Suppl. 1: 353 (1810) "*A. bryantha*"; nom. gall. "Andromède musciforme."  
*Erica bryantha* Thunberg, Diss. de Erica, 15 (1785).  
*Andromeda bryanthus* Pallas, Fl. Ross. 1,2: 57, t. [74] fig. 1 (1788); 8° ed. 1,2: 111 (1790).  
*Menziesia bryantha* Swartz in Trans. Linn. Soc. 10: 377, t. 30, fig. B (1811).  
*Andromeda musciformis* Poiret ex B. D. Jackson in Index Kew. 1: 122 (1893).  
*Bryanthus musciformis* Nakai, Trees Shrubs Jap. 1: 16, fig. 7 (1922).
- DABOECIA** D. Don in Edinb. New Philos. Jour. 17: 160 (1834) "*Dabœcia*."—K. Koch, Dendr. 2,1: 132 (1872) "*Dabeocia*."—Bentham & Hooker f., Gen. pl. 2: 596 (1876) "*Dabœcia*."—NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. Congr. 1905, 88, no. 6195 (1906).  
*Boretta* Necker, Elem. Bot. 2: 212 (1790).  
 TYPE: *Erica Daboecia* L. = *Daboecia cantabrica* (Huds.) K. Koch.
- D. cantabrica** (Huds.) K. Koch, Dendr. 2,1: 132 (1872).  
 —Dippel, Handb. Laubh. 1: 381, fig. 249 (1889).  
*Vaccinium cantabricum* Hudson, Fl. Angl. 143 (1762).  
*Erica Daboecia* Linnaeus, Sp. Pl. ed. 2, 509 (1762).  
*Andromeda daboecii* Linnaeus, Syst. Nat. ed. 12, 2: 300 (1767).  
*Andromeda montana* Salisbury, Prodr. Stirp. Chap. Allert. 290 (1796).  
*Menziesia polifolia* Jussieu in Ann. Mus. Hist. Nat. Paris, 1: 55 (1802).  
*Menziesia daboeci* De Candolle in Lamarck & De Candolle, Fl. Franç. 3: 674 (1805).  
*Daboecia polifolia* D. Don in Edinb. New Philos. Jour. 17: 160 (1834).  
*Boretta cantabrica* Kuntze, Rev. Gen. Pl. 2: 387 (1891).
- D. cantabrica f. alba** [D. Don] Dippel, Handb. Laubh. 1: 382 (1889).  
*Daboecia polifolia* β. *alba* D. Don in Sweet, Brit. Flow. Gard. ser. 2, 3: t. 276 (1835).
- D. cantabrica f. bicolor** [hort.] Dippel, Handb. Laubh. 1: 382 (1889).  
*Daboecia polifolia striata* Hort. ex Dippel, l. c. (1889), nom. altern.  
*Boretta cantabrica* var. *bicolor* Koopmann in Gartenfl. 47: 257, t. 1450, fig. c (1898).  
*Daboecia polifolia* var. *bicolor* Bean, Trees Shrubs Brit. Isl. 1: 465 (1914) "var."
- D. cantabrica f. pallida** (Bosse) Rehder in Jour. Arnold Arb. 20: 425 (1939).  
*Menziesia polifolia* var. *pallida* Hort. Angl. ex Bosse, Vollst. Handb. Blumengärt. ed. 2, 2: 521 (1841).  
*Boretta cantabrica* var. *rosea* Koopmann in Gartenfl. 47: 258 (1898).  
*Daboecia cantabrica* var. *rosea* Rehder in Bailey, Cycl. Am. Hort. [1]: 443 (1900).
- D. cantabrica f. atropurpurea** [Hort.] ex Dippel, Handb. Laubh. 1: 382 (1889).  
*Daboecia polifolia* var. *atropurpurea* Bean, Trees Shrubs Brit. Isl. 1: 465 (1914).
- D. cantabrica f. nana** (Lodd.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 226 [1916].  
 ?*Menziesia minor* Hoffmannsegg, Verz. Pflanzenkult. 79 (1824), pro syn.  
*Menziesia polifolia* β. *nana* Sweet, Hort. Brit. 263 (1827), nom.—Loddiges, Bot. Cab. 20: t. 1907 (1833) "*M. p. n.*"  
*Daboecia polifolia* β. *nana* Sweet, Hort. Brit. ed. 3, 439 (1839).  
*Menziesia polifolia* var. *minor* Jäger, Ziergeh. 312 (1865).  
*Daboecia cantabrica* var. *nana* Rehder in Bailey, Cycl. Am. Hort. [1]: 443 (1900).  
*Daboecia polifolia* var. *pygmaea* Hort. Kew. [ex Bean] in Kew Hand-list Trees Shrubs, ed. 2, 493 (1902).
- Trib. II. **ANDROMEDEAE** [Klotzsch] K. Koch, Hort. Dendr. 331 (1853).—Gray, Syn. Fl. n. am. 2,1: 15 (1878) "subord. *Ericineae*, trib. A."—Drude in Nat. Pflanzenfam. IV. 1: 40 [1889] "*E. II. Arbutoideae* 4. A." *Siphonandraceae* trib. *Andromedeae* Klotzsch in Linnaea, 24: 14, 17 (1851), exclud. *Gaultheria*.
- ENKIANTHUS** Loureiro, Fl. Cochinch. 277 (1790).—De Candolle, Prodr. 7,2: 732 (1839) "*Enkianthus*."—Bentham & Hooker f., Gen. Pl. 2: 588 (1876).—Palibin in Script. Bot. Hort. Univ. Petrop. 15: 10 (Rev. Enkianthus, 18 pp. 1897) (1900).  
 TYPE: *E. quinqueflorus* Lour.
- Sect. I. **EUENKIANTHUS** Palibin in op. cit. 17 (1900).  
*Melidora Noronha* ex Salisbury in Trans. Hort. Soc. Lond. 2: 156 (1817).
- E. perulatus** (Miq.) Schneider, Ill. Handb. Laubh. 2: 520, fig. 340g, 341b-e (1911).—Nakai, Trees Shrubs Jap. rev. ed., 1: 198, fig. 100 (1927).  
*Andromeda perulata* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 31 (1863).  
*Enkianthus japonicus* Hooker f. in Bot. Mag. 96: t. 5822 (1870).—Palibin in Scripta Bot. Hort. Univ. Petrop. 15: 10 (Rev. Enkianthus) (1897).
- E. serrulatus** (Wils.) Schneider, Ill. Handb. Laubh. 1: 518, fig. 340h (1911).  
*Enkianthus quinqueflorus* var. *serrulatus* Wilson in Gard. Chron. ser. 3, 41: 344 (1907); in Repert. Sp. Nov. Reg. Veg. 7: 235 (1909).
- E. quinqueflorus** Loureiro, Fl. Cochinch. 277 (1790).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 550 (1913).  
*Melidora pellucida* Noronha ex Salisbury in Trans. Hort. Soc. Lond. 2: 156 (1822).  
*Enkianthus reticulatus* Lindley in Bot. Reg. 11: t. 885 (1825).  
*Enkianthus uniflorus* Bentham in Hooker's Jour. Bot. 1: 489 (1842).
- Sect. II. **ANDROMEDINA** Palibin in Script. Bot. Hort. Univ. Petrop. 15: 8 (Rev. Enkianthus. 1897) (1900).  
*Meisteria* sect. *Andromedina* Nakai, Trees Shrubs Jap. 1: 183 (1922).
- E. subsessilis** (Miq.) Makino in Bot. Mag. Tokyo, 8: 215 (1894).—Rehder in Sargent, Trees & Shrubs, 1: 49, t. 25 (1902).  
*Andromeda subsessilis* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 32 (1863).  
*Andromeda nikoensis* Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 496 (in Mém. Biol. 12: 741) (1888).  
*Enkianthus nikoensis* Makino in Bot. Mag. Tokyo, 8: 215 (1894).—Palibin in Scripta Bot. Hort. Univ. Petrop. 15: 8 (Rev. Enkianthus. 1897) (1900).  
*Meisteria subsessilis* Nakai, Trees Shrubs Jap. 1: 136, fig. 78 (1922).
- Sect. III. **ENKIANTELLA** Palibin in Script. Bot. Hort. Univ. Petrop. 15: 13 (Rev. Enkianthus. 1897) (1900).

Sect. III. ENKIANTELLA (*continued*)

- Bodinierella* Lévillé in Repert. Sp. Nov. Reg. Veg. **12**: 101 (1913).  
*Meisteria* sect. *Enkiantella* Nakai, Trees Shrubs Jap. **185** (1922).
- E. campanulatus** (Miq.) Nicholson, Ill. Dict. Gard. **1**: 510 (1885).—Palibin in Scripta Bot. Hort. Univ. Petrop. **15**: 13 (Rev. Enkianthus. 1897) (1900).—Schneider, Ill. Handb. Laubh. **2**: 521, fig. 340a-b, 341f-h (1911).  
*Andromeda campanulata* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 31 (1863).  
*Enkianthus himalaicus* sensu Carrière in Rev. Hort. **1888**: 511, fig. 125 (1888), non Hook. f. & Thoms. (1855).  
*Enkianthus latifolius* Craib in Notes Bot. Gard. Edinb. **11**: 156 (1919).  
*Enkianthus pendulus* Craib in op. cit. 158 (1919).  
*Enkianthus recurvus* Craib in op. cit. 159 (1919).  
*Enkianthus tectus* Craib in op. cit. 161 (1919).  
*Meisteria campanulata* Nakai, Trees Shrubs Jap. **1**: 137, fig. 79 (1922).  
*Enkianthus campanulatus* var. *a. typicus* Makino in Jour. Jap. Bot. **5**: 26 (1928).
- E. campanulatus** f. *albiflorus* (Mak.) Makino, l. c. (1928) "var. *a. typicus* f. *a.*"  
*Enkianthus campanulatus* var. *albiflora* Makino in op. cit. **1**: 10 (1916).  
*Enkianthus pallidiflorus* Craib in Notes Bot. Gard. Edinb. **11**: 157 (1919).  
*Meisteria campanulata* var. *albiflora* Nakai, Trees Shrubs Jap. **1**: 139 (1922).
- E. campanulatus** var. *Palibinii* Bean, Trees Shrubs Brit. Isl. **1**: 512 (1914).  
*Enkianthus campanulatus* sensu Hooker f. in Bot. Mag. **115**: t. 7059 (1889), non *E. campanulatus* (Miq.) Nicholson, typus.  
*Enkianthus rubicundus* Matsumura & Nakai in Cat. Sem. Spor. Hort. Bot. Univ. Tokyo, **1916**: 24 (1916), descr. in nota.  
*Enkianthus ferrugineus* Craib in Notes Bot. Gard. Edinb. **11**: 155 (1919).  
*Enkianthus Palibinii* Craib in op. cit. 158 (1919).  
*Meisteria rubicunda* Nakai, Trees Shrubs Jap. **1**: 139, fig. 80 (1922).  
*Enkianthus campanulatus* var. *rubicundus* Makino in Jour. Jap. Bot. **5**: 26 (1928).
- E. deflexus** (Griff.) Schneider, Ill. Handb. Laubh. **2**: 521, fig. 340c-e, 341i-n (1911).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 550 (1913).  
*Rhodora deflexa* Griffith, Posthum. Papers, **2**: 187 (1848).  
*Enkianthus himalaicus* Hooker f. & Thomson in Hooker's Jour. Bot. Kew Gard. Misc. **7**: 126, t. 3 (1855).—C. B. Clarke in Hooker f., Fl. Brit. Ind. **3**: 461 (1882).
- E. chinensis** Franchet in Jour. de Bot. **9**: 371 (1895).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 551 (1913).—Rehder in Jour. Arnold Arb. **15**: 279 (1934); **18**: 230 (1937).  
*Enkianthus himalaicus* var. *chinensis* Diels in Bot. Jahrb. **29**: 508 (1900).  
*Enkianthus Rostkornii* Diels in op. cit. 509 (1900).  
*Zenobia cerasiflora* Lévillé in Bull. Acad. Intern. Géog. Bot. **12**: 253 (1903).  
*Enkianthus cerasiflora* Lévillé in Repert. Sp. Nov. Reg. Veg. **9**: 448 (1911).  
*Bodinierella Cavaleriei* Lévillé in op. cit. **12**: 101 (1913).

*Enkianthus sinohimalaicus* Craib in Notes Bot. Gard. Edinb. **11**: 160 (1919).

*Enkianthus Leveilleanus* Craib in op. cit. 167 (1919).

## Sect. IV. MEISTERIA (Sieb. &amp; Zucc.) Palibin in op. cit. 7 (1897).

- Meisteria* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4,3**: 127 (Fl. Jap. Fam. Nat. **2**: 6) (1846).  
*Tritomodon Turczaninov* in Bull. Soc. Nat. Moscou, **21,1**: 584 (1848).
- E. cernuus** (Sieb. & Zucc.) Makino in Bot. Mag. Tokyo, **8**: (214) (1894).  
*Meisteria cernua* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **4,3**: 127, t. 3A (Fl. Jap. Fam. Nat. **2**: 6) (1846).—Nakai, Trees Shrubs Jap. **1**: 142, fig. 82 (1922).  
*Tritomodon japonicus* Turczaninov in Bull. Soc. Nat. Moscou, **21,1**: 585 (1848).  
*Andromeda cernua* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 31 (1863).  
*Andromeda cernua* a. *typica* Maximowicz in Bull. Acad. Sci. St. Pétersb. **18**: 50 (in Mém. Biol. **8**: 619) (1872).  
*Enkianthus Meisteria* Maximowicz in op. cit. **33**: 497 (in op. cit. **12**: 742) (1888).  
*Enkianthus Meisteria* a. *typica* Palibin in Scripta Bot. Hort. Univ. Petrop. **15**: 12 (Rev. Enkianthus. 1897) (1900).  
*Enkianthus cernuus* a. *typica* Makino in Bot. Mag. Tokyo, **8**: (214) (1894).  
*Meisteria cernua* var. *typica* Nakai, Trees Shrubs Jap. **1**: 143, fig. 83 (1922).
- E. cernuus** var. *rubens* (Maxim.) Makino in Bot. Mag. Tokyo, **8**: (214) (1894) "β."  
*Andromeda cernua* a. *rubens* Maximowicz in Bull. Acad. Sci. St. Pétersb. **18**: 50 (in Mém. Biol. **8**: 619) (1872).  
*Enkianthus Matsudai* Komatsu in Matsumura, Icon. Pl. Koisikav. **1**: 65, t. 33 (1912).  
*Meisteria cernua* var. *rubens* Nakai, Trees Shrubs Jap. **1**: 142 (1922).  
*Meisteria Matsudai* Nakai in op. cit. 144, fig. 84 (1922).
- CASSIOPE** D. Don in Edinb. New Philos. Jour. **17**: 157 (1834).—Bentham & Hooker f., Gen. Pl. **2**: 584 (1876).  
*Andromeda* Linnaeus, Sp. Pl. 393 (1753), p. p. quoad sp. 1 et 2.  
*Harrimanella* Coville in Proc. Washington Acad. Sci. **3**: 570 (1901).—Small in N. Am. Fl. **29**: 60 (1914).  
*Cassiope* subgen. *Eucassiope* et subgen. *Harrimanella* E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 2) **69**: 54, 64 (1915).  
**Typus:** *Andromeda tetragona* L. = *C. tetragona* (L.) D. Don.
- C. tetragona** (L.) D. Don in Edinb. New Philos. Jour. **17**: 158 (1834).—Gray, Syn. Fl. N. Am. **2,1**: 36 (1878).—E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 2) **63**: 59, fig. (1915).  
*Andromeda tetragona* Linnaeus, Sp. Pl. 393 (1753).  
*Cassiopeia tetragona* Hooker f. in Trans. Linn. Soc. Lond. **23**: 296 (Outlin. Distr. Arct. Pl. 1861) (1862), nom.
- C. fastigiata** (Wall.) D. Don in Edinb. New Philos. Jour. **17**: 157 (1834).—C. B. Clarke in Hooker f., Fl. Brit. Ind. **3**: 459 (1882).  
*Andromeda fastigiata* Wallich in Asiat. Research. As. Soc. Bengal, **13**: 394 (1820).
- C. selaginoides** Hooker f. & Thomson in Hooker's Jour. Bot. Kew Gard. Misc. **7**: 126, t. 4 (1855).—C. B.

- Clarke in Hooker, f., Fl. Brit. Ind. 3: 460 (1882).—Rehder in Jour. Arnold Arb. 15: 280 (1934).  
*Cassiope Mairei* Lévillé in Repert. Sp. Nov. Reg. Veg. 13: 342 (1914).
- C. lycopodioides** (Pall.) D. Don in Edinb. New Philos. Jour. 17: 157 (1834).—Nakai, Trees Shrubs Jap. rev. ed., 1: 164, fig. 79 (1927).—Hultén, Fl. Kamtschat. 3: 27 (1929).  
*Andromeda lycopodioides* Pallas, Fl. Ross. 1,2: 55, t. [73], fig. 1 (1788); 8° ed. 1,2: 105 (1790).  
*Erica lycopodioides* Waitz, Besch. Gatt. Art. Heid. 156 (1805).
- C. Mertensiana** (Bong.) D. Don in Edinb. New Philos. Jour. 17: 157 (1834).—G. Don, Gen. Hist. Dichlam. Pl. 3: 829 (1834).—Piper in Smithsonian Inst. Misc. Coll. 50: 195 (1908).—Small in N. Am. Fl. 29: 59 (1914).  
*Andromeda Mertensiana* Bongard in Mém. Acad. Sci. St. Pétersb. sér. 6, 2: 152 (Obs. Vég. Sitcha, 34. 1832) (1833).  
*Andromeda cupressina* Hooker, Fl. Bor.-Am. 2: 38 [1834].
- C. hypnoides** (L.) D. Don in Edinb. New Philos. Jour. 17: 158 (1834).—Gray, Syn. Fl. N. Am. 2,1: 36 (1878).—E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 2) 69: 64, fig. (1915).  
*Andromeda hypnoides* Linnaeus, Sp. Pl. 393 (1753).  
*Cassiopeia hypnoides* Hooker f. in Trans. Linn. Soc. Lond. 23: 296 (Outlin. Distr. Arct. Pl. 1861) (1862).  
*Harrimanella hypnoides* Coville in Proc. Washington Acad. Sci. 3: 574, 575 (1901).
- ANDROMEDA** Linnaeus, Sp. Pl. 393 (1753), p. p. quoad sp. 5; Gen. Pl., ed. 5, 186, no. 485 (1754).—Bentham & Hooker f., Gen. Pl. 2: 587 (1876).  
*Andromeda* § 1. *Euandromeda* Gray, Syn. Fl. N. Am. 2,1: 30 (1878).  
*Polifolia* (Buxbaum) Nakai, Trees Shrubs Jap. 1: 154 (1922).  
 LECTOTYPUS: *A. Polifolia* L.
- A. Polifolia** Linnaeus, Sp. Pl. 393 (1753).—Houttuyn, Natuurl. Hist. 5: 83 (1775) "*A. Polifolia*",—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 634, fig. 844 [1908].—Hegi, Ill. Fl. Mittel-Eur. 5,3: 1651, fig. 2666–9 [1926].  
*Rhododendron Polifolium* Scopoli, Fl. Carniol. ed. 2, 1: 287 (1772).  
*Andromeda Rosmarinifolia* Gilibert, Fl. Lithuan. 1: 3 (1781); Syst. Pl. Eur. 1,[3]: 1 (Pl. Rar. Comm. Lithuan.) (1785); Exerc. Phytol. 1: 9 (1792).  
*Andromeda polifolia major*, var. *minor*, var. *minima* C. F. Ludwig, Neu. Wilde Baumz. 3 (1783), nom.  
*Andromeda Polifolia* β. *media* Aiton, Hort. Kew. 2: 68 (1789).  
*Andromeda polifolia grandiflora* Loddiges, Bot. Cab. 18: t. 1714 (1831).—Nakai, Trees Shrubs Jap. rev. ed., 1: 212, fig. 103 (1927) "var."  
*Andromeda grandiflora* Hort. ex Steudel, Nomencl. Bot. ed. 2, 1: 88 (1840), pro syn.  
*Andromeda polifolia* var. *typica* E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 2) 63: 74 (1915).  
*Polifolia montana* (Oeder) Nakai, Trees Shrubs Jap. 1: 155, fig. 89 (1922).
- A. glaucophylla** Link, Enum. Pl. Hort. Berol. 1: 394 (1821).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 635, fig. 845 (1908).  
*Andromeda Polifolia* γ. *angustifolia* Aiton, Hort. Kew. 2: 68 (1789).  
*Andromeda Polifolia* sensu Michaux, Fl. Bor.-Am. 1: 254 (1803).—Pursh, Fl. Am. Sept. 1: 291 (1814).—Non Linnaeus (1753).  
*Andromeda rosmarinifolia* Pursh, l. c. (1814), nom. event.; non Gilibert (1785).  
*Andromeda glaucifolia* Wenderoth in Index Sem. Hort. Marburg. 1827: [5] (1827).  
*Andromeda polifolia revoluta* Loddiges, Bot. Cab. 18: t. 1725 (1831).—Rouy in Rouy & Foucaud, Fl. France, 10: 104 (1908) "γ. *revoluta*," p. p.?  
*Andromeda polifolia* δ. *glaucophylla* De Candolle, Prodr. 7,2: 607 (1839).  
*Andromeda polifolia* γ. *rosmarinifolia* De Candolle, l. c. (1839).  
*Polifolia montana* var. *glaucophylla* Nakai, Trees Shrubs Jap. 1: 155 (1922).  
*Andromeda canescens* Small in N. Am. Fl. 29: 61 (1914).
- A. glaucophylla** f. *latifolia* (Ait.) Rehder in Jour. Arnold Arb. 5: 55 (1924).  
*Andromeda Polifolia* α. *latifolia* Aiton, Hort. Kew. 2: 68 (1789).—Pursh, Fl. Am. Sept. 1: 291 (1814) "β."—Loddiges, Bot. Cab. 6: t. 546 (1821).  
*Andromeda oleifolia* Hort. ex Hoffmannsegg, Verz. Pflanzenkult., 38, 126, 204 (1824) "*A. oleaeifolia*" (p. 126); pro syn. (p. 204).  
*Andromeda kalmiaeifolia* Hoffmannsegg, op. cit. 126, 204 (1824).  
*Polifolia montana* var. *latifolia* (Ait.) Nakai, Trees Shrubs Jap. 1: 156 (1922).
- ZENOBI** D. Don in Edinb. New Philos. Jour. 17: 158 (1834).—De Candolle, Prodr. 7,2: 598 (1839), exclud. sp. 2 et 3.—Bentham & Hooker f., Gen. Pl. 2: 587 (1876).—Small in N. Am. Fl. 29: 61 (1914).  
*Lyonia* subgen. *Pieris* K. Koch, Dendr. 2,1: 116 (1872), p. p.  
*Andromeda* § 2. *Zenobia* Gray, Syn. Fl. N. Am. 2,1: 31 (1878).  
 TYPUS: *Andromeda speciosa* Michx. = *Z. pulverulenta* (Bartr.) Pollard var. *nitida* (Midvx.) Fernald.
- Z. pulverulenta** (Willd.) Pollard in Bull. Torrey Bot. Club, 22: 232 (1895).—Small in N. Am. Fl. 29: 62 (1914).  
*Andromeda pulverulenta* Bartram, Travel N. & S. Carol. 2: 476, t. [7] (1791), nom. subnud.—Willdenow, Sp. Pl. 2: 610 (1799).—Sims in Bot. Mag. 18: t. 667 (1803).—Merrill in Barton, 23: 22 (1945).  
*Andromeda speciosa* var. β. *pulverulenta* Michaux, Fl. Bor.-Am. 1: 256 (1803).  
*Andromeda cassineifolia* var. *pulverulenta* Ventenat, Jard. Malmaison, 79, t. 79 (1803).  
*Andromeda speciosa* var. *glauc* Watson, Dendr. Brit. 2: t. 126 (1825).  
*Andromeda dealbata* Lindley in Bot. Reg. 12: t. 1010 (1826).  
*Zenobia speciosa* β. *pulverulenta* De Candolle, Prodr. 7,2: 598 (1839).  
*Lyonia pulverulenta* K. Koch, Dendr. 2,1: 117 (1872).  
*Andromeda candida* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 2007 (1902), pro syn.  
*Andromeda glauca* Hort. ex Rehder, l. c. (1902), pro syn.  
*Andromeda pulverulenta* var. *typica* Schneider, Ill. Handb. Laubh. 2: 526 (1911).
- Z. pulverulenta** f. *nitida* (Michx.) Fernald in Rhodora, 42: 471 (1940).  
*Andromeda cassineifolia* Ventenat, Descr. Pl. Jard. Cels, 60, t. 60 [1802].

**Zenobia pulverulenta f. nitida** (continued)

- Andromeda speciosa* var. *a. nitida* Michaux, Fl. Bor.-Am. 1: 256 (1803).  
*Andromeda cassinefolia* var. *nuda* Ventenat, Jard. Malmaison, 79 [1804].  
*Andromeda nitida* Sims in Bot. Mag. 25: t. 970 (1803), non Bartram ex Marshall (1785).  
*Zenobia speciosa* D. Don in Edinb. New Philos. Jour. 17: 158 (1834).  
*Zenobia speciosa* a. *viridis* (Duhamel) De Candolle, Prodr. 7,2: 598 (1839).  
*Zenobia cassinefolia* Pollard in Bull. Torrey Bot. Club, 22: 231 (1895).  
*Zenobia speciosa* var. *nitida* Rehder in Bailey, Cycl. Am. Hort. [4]: 2007 (1902).  
*Andromeda pulverulenta viridis* Hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 390 (1903), pro syn.  
*Andromeda pulverulenta* var. *nuda* Schneider, Ill. Handb. Laubh. 2: 526 (1911).  
*Zenobia pulverulenta* var. *nuda* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 226 [1916]. — Fernald in Rhodora, 42: 471 (1940) "f".

**PIERIS** D. Don in Edinb. New Philos. Jour. 17: 159 (1834), exclud. sp. 2 et 3. — Bentham & Hooker f., Gen. Pl. 2: 588 (1876), exclud. sect. *Eupieris* et *Maria*.

*Portuna* Nuttall in Trans. Am. Philos. Soc. n. ser., 8: 268 (1843).

*Lyonia* subgen. *Portuna* K. Koch, Dendr. 2,1: 119 (1872), p. p.

*Pieris* sect. *Portuna* et sect. *Phillyreoides* Bentham & Hooker f., Gen. Pl. 2: 588 (1876).

*Andromeda* § 3. *Portuna* Gray, Syn. Fl. N. Am. 2,1: 31 (1878).

*Lyonia* subgen. *Pieris* Drude in Nat. Pflanzenfam. IV. 1: 44 [1889].

*Arcterica* Coville in Proc. Washington Acad. Sci. 3: 573 (1901).

*Ampelothamnus* Small, Shrubs Florida, 96 (1913); in N. Am. Fl. 29: 63 (1914).

TYPE: *Andromeda formosa* Wall. = *P. formosa* (Wall.) D. Don.

**P. floribunda** (Pursh) Bentham & Hooker f., Gen. Pl. 2: 588 (1876). — Small in N. Am. Fl. 29: 63 (1914).

*Andromeda floribunda* Pursh ex Sims in Bot. Mag. 38: t. 1566 (1813). — Pursh, Fl. Am. Sept. 1: 293 (1814).

*Leucothoe floribunda* D. Don in Edinb. New Philos. Jour. 17: 159 (1834).

*Zenobia floribunda* De Candolle, Prodr. 7,2: 598 (1839).

*Portuna floribunda* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 268 (1843).

*Andromeda montana* Buckley in Am. Jour. Sci. 45: 172 (1843).

*Andromeda vacciniifolia* K. Koch, Dendr. 2,1: 116 (1872), pro syn.

**P. japonica** (Thunb.) G. Don, Gen. Hist. Dichlam. Pl. 3: 832 (1834). — Nakai, Trees Shrubs Jap. rev. ed., 1: 200, fig. 100 (1927).

*Andromeda japonica* Thunberg, Fl. Jap. 181, t. 22 (1784). — Schneider, Ill. Handb. Laubh. 2: 528, fig. 344k-m, 345q-r (1911).

**P. japonica f. variegata** (Carr.), grad. nov.

*Andromeda japonica* lus. *foliis albo-marginatis* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 49 (in Mém. Biol. 8: 617. 1872) (1873).

*Andromeda japonica variegata* Carrière in Rev. Hort. 1881: 328 (1881).

*Pieris japonica f. foliis albo-marginatis* Yatabe, Icon. Fl. Jap. 2: t. 30, fig. A (1892).

*Pieris japonica* var. *albo-marginata* Rehder in Bailey, Cycl. Am. Hort. [3]: 1336 (1901).

*Andromeda japonica* var. *albo-marginata* Schneider, Ill. Handb. Laubh. 2: 528 (1911).

*Pieris japonica* var. *variegata* Bean, Trees Shrubs Brit. Isl. 2: 168 (1914).

**P. japonica f. crispa** Rehder in Jour. Arnold Arb. 27: 173 (1946).

**P. japonica f. pygmaea** (Maxim.) Yatabe, Icon. Fl. Jap. 2: 107, t. 30, fig. B (1892).

*Andromeda japonica* lus. *pygmaea* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 49 (in Mém. Biol. 8: 617. 1872) (1873).

**P. formosa** (Wall.) D. Don in Edinb. New Philos. Jour. 17: 159 (1834). — C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 461 (1882). — Rehder in Jour. Arnold Arb. 15: 280 (1934).

*Andromeda formosa* Wallich in As. Research As. Soc. Bengal, 13: 395 (1820).

*Pieris Bodinieri* Léveillé in Bull. Acad. Intern. Géog. Bot. 12: 253 (1903).

*Lyonia formosa* Handel-Mazzetti, Symb. Sin. 7: 790 (1936).

**P. Forrestii** Harrow ex W. W. Smith in Notes Bot. Gard. Edinb. 8: 196 (1914).

*Pieris formosa* var. *Forrestii* Airy-Shaw in Bot. Mag. 157: t. 9371 (1934).

**P. taiwanensis** Hayata in Jour. Coll. Sci. Tokyo, 30,1: 169 (1911).

**P. nana** (Maxim.) Makino in Bot. Mag. Tokyo, 8: 213 (1894); 18: 18 (1904).

*Andromeda nana* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 47 (in Mém. Biol. 8: 615. 1872) (1873).

*Cassiope oxycoccoides* Gray in Proc. Am. Acad. Arts Sci. 20: 300 (1885).

*Arcterica oxycoccoides* Coville in Proc. Washington Acad. Sci. 3: 573 (1901).

*Arcterica nana* Makino in Bot. Mag. Tokyo, 20: 85 (1906). — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (fasc. 2) 63: 69, fig. (1915).

*Lyonia nana* Makino, l. c. (1906), mss.; pro syn.

**LYONIA** Nuttall, Gen. Pl. N. Am. Pl. 1: 266 (1818). — Bentham & Hooker f., Gen. Pl. 2: 588 (1876). — Drude in Nat. Pflanzenfam. IV. 1: 44 [1889], p. p. — Non Rafinesque (1808), nec Elliott (1817). — NOM. CONSERV.; cf. Intern. Rules Bot. Nomencl. ed. 3, 136, no. 6200 (1935); Kew Bull. 1940: 117 (1940).

*Andromeda* Linnaeus, Sp. Pl. 393 (1753), p. p.

*Xolisma* Rafinesque in Am. Monthly Mag. 4: 193 (1819). — Britton in Mem. Torrey Bot. Club, 4: 135 (1894). —

Rehder in Jour. Arnold Arb. 5: 49 (1924).

*Hemiclis* Rafinesque, Herb. Rafin. 57 (1833) "*Hemidís*" ?sphalm.; New Fl. N. Am. 4: 107 [1838].

*Leucothoe* sect. *Maria* De Candolle, Prodr. 7,2: 602 (1839).

*Andromeda* § *Lyonia* et § *Maria* Gray, Man. Bot. N. U. S. 265 (1848).

*Andromeda* § *Pieris* Gray, op. cit. ed. 2, 254 (1856), non *Pieris* D. Don (1834), sensu stricto.

*Lyonia* subgen. *Eulyonia* K. Koch, Dendr. 2,1: 119 (1872).

*Lyonia* subgen. *Pieris* K. Koch, op. cit. 116 (1872), p. p.

- Pieris* sect. *Eupieris* et sect. *Maria* Benth. & Hooker f., Gen. Pl. 2: 588 (1876).
- Lyonia* subgen. *Maria* Drude in Nat. Pflanzenfam. IV. 1: 44 [1889].
- Arsenococcus* Small in Small & Carter, Fl. Lancaster Co. 218 (1913); in N. Am. Fl. 29: 72 (1914).
- Desmothamnus* Small, Shrubs Florida, 96 (1913).
- Neopieris* Britton in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 690 (1913). — Small in N. Am. Fl. 29: 64 (1914).
- Xolisma* sect. *Lyonia*, sect. *Arsenococcus*, sect. *Maria* et sect. *Pieridopsis* Rehder in Jour. Arnold Arb. 5: 54–55 (1924).
- Lyonia* sect. *Pieridopsis* (Rehd.) Airy-Shaw in Bot. Mag. 160: t. 9490, p. [1] in nota (1937).
- TYPE: *Andromeda ferruginea* Walt. = *L. ferruginea* (Walt.) Nutt.
- L. ligustrina** (L.) De Candolle, Prodr. 7,2: 599 (1839). — Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 635 (1908).
- Vaccinium ligustrinum* Linnaeus, Sp. Pl. 351 (1753).
- Andromeda racemosa* Lamarck, Encycl. Méth. Bot. 1: 158 (1783), non Linnaeus (1753).
- Andromeda paniculata* C. F. Ludwig, Neu. Wilde Baumz. 3 (1783), nom. subnud. — Aiton, Hort. Kew. 2: 68 (1789).
- Andromeda parabolica* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 191 (1800).
- Andromeda paniculata* a. *nudiflora* Michaux, Fl. Bor.-Am. 1: 254 (1803).
- Lyonia paniculata* Nuttall, Gen. N. Am. Pl. 1: 266 (1818).
- Lyonia parabolica* K. Koch, Dendr. 2,1: 119 (1872).
- Xolisma ligustrina* Britton in Mem. Torrey Bot. Club, 4: 135 (1894).
- Arsenococcus ligustrinus* Small in Small & Carter, Fl. Lancaster Co., 218 (1913); in Fl. N. Am. 29: 72 (1914), cum syn. mult.
- Lyonia ligustrina* var. *typica* Fernald in Rhodora, 43: 625 (1941).
- L. ligustrina** var. *pubescens* (Gray) Bean, Trees Shrubs Brit. Isl. 2: 64 (1914). — Fernald in Rhodora, 43: 628 (1941).
- Andromeda globulifera* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 3 [1782?], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 4 (1783), nom. subnud. — De Candolle, Prodr. 7,2: 599 (1839), pro syn.
- Andromeda pilulifera* Gordon, Dermer & Edmonds, op. cit. 4 [1782?], nom. subnud. — C. F. Ludwig, l. c. (1783), nom. subnud. — De Candolle, l. c. (1839), pro syn.
- Andromeda paniculata* var. 2. *foliosiflora* b. *floribus subtomentosis* Michaux, Fl. Bor.-Am. 1: 255 (1803).
- Andromeda tomentosa* Dumont de Courset, Bot. Cult., ed. 2, 3: 495 (1811).
- Andromeda frondosa* Pursh, Fl. Am. Sept. 1: 295 (1814).
- Lyonia frondosa* Nuttall, Gen. N. Am. Pl. 1: 267 (1818).
- Andromeda ligustrina* var. *pubescens* Gray, Syn. Fl. N. Am. 2,1: 33 (1878).
- Xolisma ligustrina foliosiflora* C. Mohr in Bull. Torrey Bot. Club, 24: 24 (1897), exclud. basonym.
- Xolisma ligustrina* var. *pubescens* Millsbaugh, Liv. Fl. W. Va. 324 (1913), quoad basonym.
- Arsenococcus frondosus* Small, Shrubs Florida, 97, 133 (1913) p. p.; in N. Am. Fl. 29: 72 (1914), p. p.
- L. ligustrina** var. *foliosiflora* (Michx.) Fernald in Gray, Man. Bot. N. U. S. ed. 7, 635 (1908).
- Andromeda paniculata* var. *foliosiflora* a. *floribus glabellis* Michaux, Fl. Bor.-Am. 1: 255 (1803).
- Xolisma foliosiflora* Small, Fl. Southeast. U. S. 889, 1336 (1903).
- Andromeda ligustrina* var. *foliosiflora* Schneider, Ill. Handb. Laubh. 2: 533 (1911).
- L. lucida** (Lam.) K. Koch, Dendr. 2,1: 118 (1872). — Blake in Rhodora, 17: 132 (1915).
- Andromeda lucida* Gordon, Dermer & Edmonds, Trees Shrubs Pl. 3 [1782?], nom. subnud. — Lamarck, Encycl. Méth. Bot. 1: 157 (1783). — C. F. Ludwig, Neu. Wilde Baumz. 4 (1783), nom.
- Andromeda nitida* Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 3 (1785 vel prius), nom. — Bartram ex Marshall, Arbust. Am. 8 (1785). — Gray, Syn. Fl. N. Am. 2,1: 32 (1878).
- Andromeda coriacea* Aiton, Hort. Kew. 2: 70 (1789). — Jacquin, Icon. Pl. Rar. 3: t. 465 (1790) "*Mariana*" in tab.
- Andromeda myrtifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 3 [1782?], nom. — Salisbury, Prodr. Stirp. Chap. Allert. 290 (1796). — Meerburgh, Pl. Select. Icon. p. [8], t. 26 (1798).
- Andromeda marginata* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 188, t. 40 [1802].
- Andromeda obovata* Rafinesque, Herb. Rafin., 57 (1833), nom.
- Lyonia marginata* D. Don in Edinb. New Philos. Jour. 17: 159 (1834).
- Leucothoe coriacea* De Candolle, Prodr. 7,2: 602 (1839), exclud. syn.
- Leucothoe marginata* Spach, Hist. Nat. Vég. Phan. 9: 482 (1840).
- Andromeda lacustris* C. Wright & Sauvalle ex Sauvalle in Anal. Acad. Ci. Habana, 6: 250 (Sauvalle, Fl. Cubana, 85. 1873) (1870).
- Pieris nitida* Benth. & Hooker f., Gen. Pl. 2: 588 (1876).
- Lyonia nitida* Fernald in Rhodora, 10: 53 (1908).
- Neopieris nitida* Britton in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 690, fig. 3243 (1913).
- Desmothamnus nitidus* Small, Shrubs Florida, 96 (1913); in N. Am. Fl. 29: 64 (1914).
- Pieris lucida* Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 226 [1916], non Léveillé (1906).
- Xolisma lucida* Rehder in Jour. Arnold Arb. 5: 50 (1924).
- L. lucida** f. *rubra* (Lodd.) Rehder in Jour. Arnold Arb. 20: 425 (1939).
- Andromeda coriacea rubra* Loddiges, Bot. Cab. 7: t. 672 (1822).
- Lyonia marginata* var. *rubra* Loudon, Arb. Brit. 2: 1110, fig. 901 (1838).
- Pieris nitida* var. *rubra* Rehder in Bailey, Cycl. Am. Hort. [3]: 1336 (1901).
- Pieris lucida* var. *rubra* Rehder in Bailey, Stand. Cycl. Hort. 5: 2622 (1916).
- Xolisma lucida* var. *rubra* Rehder, Man. Cult. Trees Shrubs, 712 (1927).
- L. mariana** (L.) D. Don in Edinb. New Philos. Jour. 17: 159 (1834). — Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 635 (1908).
- Andromeda mariana* Linnaeus, Sp. Pl. 393 (1753).
- Andromeda pulchella* Salisbury, Prodr. Stirp. Chap. Allert. 289 (1796).
- Andromeda grandiflora* Meerburgh, Pl. Select. Icon. p. [8], t. 25 (1798).
- Andromeda mariana* a. *ovalis* Sims in Bot. Mag. 37: t. 1579 (1813).

**Lyonia mariana** (continued)

*Andromeda mariana* β. *oblonga* Sims, l. c. in textu (1813).  
*Leucothoe mariana* De Candolle, Prodr. 7, 2: 602 (1839).  
*Pieris mariana* Benth. & Hooker f., Gen. Pl. 2: 588 (1876).

*Neopieris mariana* Britton in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 691, fig. 3244 (1913).

*Xolisma mariana* Rehder in Jour. Arnold Arb. 5: 51 (1924).

**L. ovalifolia** (Wall.) Drude in Nat. Pflanzenfam. IV. 1: 44 [1889].

*Andromeda ovalifolia* Wallich in As. Research. As. Soc. Bengal, 13: 391, fig. (1820).

*Pieris ovalifolia* D. Don in Edinb. New Philos. Jour. 17: 159 (1834). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 552 (1913).

*Pieris pilosa* Komatsu in Matsumura, Icon. Pl. Koisikav. 3: 73, t. 182 (1916).

*Xolisma ovalifolia* Rehder in Jour. Arnold Arb. 5: 52 (1924).

**L. ovalifolia** var. **lanceolata** (Wall.) Handel-Mazzetti, Symb. Sin. 7: 788 (1936).

*Andromeda lanceolata* Wallich in As. Research. As. Soc. Bengal, 13: 390, fig. (1820).

*Andromeda squamulosa* D. Don, Prodr. Fl. Nepal. 149 (1825).

*Pieris lanceolata* D. Don in Edinb. New Philos. Jour. 17: 159 (1834).

*Pieris ovalifolia* var. *lanceolata* C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 461 (1882).

*Pieris formosana* Komatsu in Matsumura, Icon. Pl. Koisikav. 3: 71, t. 181 (1916).

*Xolisma ovalifolia* var. *lanceolata* Rehder in Jour. Arnold Arb. 5: 52 (1924).

**L. ovalifolia** var. **elliptica** (Sieb. & Zucc.) Handel-Mazzetti, Symb. Sin. 7: 788 (1936).

*Andromeda elliptica* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 3: 126 (Fl. Jap. Fam. Nat. 2: 2) (1846).

*Andromeda ovalifolia* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 30 (1863), non Wallich (1820).

*Pieris ovalifolia* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 17 (1889), p. p.; non D. Don (1834).

*Lyonia ovalifolia* sensu Pampanini in Nuov. Giorn. Bot. Ital., n. ser. 17: 683 (1910), non Drude (1889).

*Pieris ovalifolia* var. *elliptica* Rehder & Wilson in Sargent, Pl. Wilson. 1: 552 (1913).

*Pieris elliptica* Nakai in Bot. Mag. Tokyo, 33: 207 (1919); Trees Shrubs Jap. 1: 149, fig. 87 (1922).

*Xolisma ovalifolia* var. *elliptica* Rehder in Jour. Arnold Arb. 5: 52 (1924).

*Xolisma elliptica* Nakai, Trees Shrubs Jap. rev. ed., 1: 204, fig. 101 (1927).

**CHAMAEDAPHNE** Moench, Meth. Pl. 457 (1794). — Small in N. Am. Fl. 29: 55 (1914). — Non Mitchell, nom. prae-Linn. (1748, reprinted in 1769).

*Andromeda* Linnaeus, Sp. Pl. 393 (1753), p. p. quoad sp. 9.

*Exolepta* Rafinesque in Am. Monthly Mag. 4: 193 (1819), nom. tentat.

*Cassandra* D. Don in Edinb. New Philos. Jour. 17: 158 (1834). — Benth. & Hooker f., Gen. Pl. 2: 584 (1876).

— Gray, Syn. Fl. N. Am. 2, 1: 35 (1878).

*Lyonia* subgen. *Chamaedaphne* K. Koch, Dendr. 2, 1: 127 (1872). — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) 63: 78 (1915).

**TYPE:** *Andromeda calyculata* L. = *C. calyculata* (L.) Moench.

**C. calyculata** (L.) Moench, Meth. Pl. 457 (1794). — Small in N. Am. Fl. 29: 55 (1914).

*Andromeda calyculata* Linnaeus, Sp. Pl. 566 (1753).

*Andromeda calyculata* a. *venirica* Aiton, Hort. Kew. 2: 70 (1789). — Sims in Bot. Mag. 31: t. 1286 (1810).

*Lyonia calyculata* Reichenbach, Fl. Germ. Excurs. 1: 414 [1831]. — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) 63: 78, fig. (1915).

*Cassandra calyculata* D. Don in Edinb. New Philos. Jour. 17: 158 (1834). — Gray, Syn. Fl. N. Am. 2, 1: 35 (1878).

*Cassandra dahurica* Grum-Grzhimailo & Semenov, Opis. Amursk. Obl. 287 (1894), nom. — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) 63: 81 (1919), pro syn.

**C. calyculata** var. **angustifolia** [Ait.] Rehder in Bailey, Cycl. Am. Hort. [1]: 287 (1900).

*Andromeda calyculata* γ. *angustifolia* Aiton, Hort. Kew. 2: 70 (1789).

*Andromeda calyculata* ε. *linearis* Sims in Bot. Mag. 31: t. 1286, p. [1] (1810).

*Andromeda crispa* Poir. Encycl. Méth. Bot. Suppl. 1: 356 (1810). — Guimpel, Otto & Hayne, Abb. Fremd. Holzt. 63, t. 51 (1825).

*Andromeda angustifolia* Pursh, Fl. Am. Sept. 1: 291 (1814).

*Chamaedaphne crispa* Spach, Hist. Nat. Vég. Phan. 9: 477 (1840).

*Cassandra calyculata* var. *angustifolia* Gray, Syn. Fl. N. Am. 2, 1: 35 (1878).

*Lyonia calyculata* f. *crispa* Zabel in Beissner et al., Handb. Laubh.-Ben. 391 (1903).

*Chamaedaphne angustifolia* Spach ex Zabel, l. c. (1903), pro syn.; non Kuntze (1891).

**C. calyculata** var. **latifolia** (Ait.) Fernald in Rhodora, 47: 390 (1945).

*Andromeda calyculata* β. *latifolia* Aiton, Hort. Kew. 2: 70 (1789). — Loddiges, Bot. Cab. 6: t. 530 (1821).

**C. calyculata** var. **nana** (Lodd.) Rehder in Bailey, Cycl. Am. Hort. [1]: 287 (1900).

*Andromeda calyculata* nana Loddiges, Bot. Cab. 9: t. 862 (1821).

*Lyonia calyculata* f. *nana* Zabel in Beissner et al., Handb. Laubh.-Ben. 391 (1903). — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) 63: 81, fig. (1919) "var."

*Andromeda vaccinioides* Hort. ex Zabel, l. c. (1903), pro syn.

**OXYDENDRUM** De Candolle, Prodr. 7, 2: 601 (1839). — Benth. & Hooker f., Gen. Pl. 2: 585 (1876) "*Oxydendron*." — Gray, Syn. Fl. N. Am. 2, 1: 33 (1878).

**TYPE:** *Andromeda arborea* = *O. arboreum* (L.) DC.

**O. arboreum** (L.) De Candolle, l. c. (1839). — Gray, l. c. (1878). — Small in N. Am. Fl. 29: 33 (1914).

*Andromeda arborea* Linnaeus, Sp. Pl. 394 (1753).

*Lyonia arborea* D. Don in Edinb. New Philos. Jour. 17: 159 (1834).

**LEUCOTHOE** D. Don in op. cit. (1834), excl. *L. floribunda*. — Benth. & Hooker f., Gen. Pl. 2: 584 (1876).

— Gray, Syn. Fl. N. Am. 2, 1: 33 (1878). — Small in N. Am. Fl. 29: 56 (1914).

*Agarista* D. Don ex G. Don, Gen. Hist. Dichlam. Pl. 3: 837 (1834), p. p. — Benth. & Hooker f., Gen. Pl. 2: 586 (1876).



- LECTOTYPUS: *Andromeda axillaris* Lam. = *L. axillaris* (Lam.) D. Don.
- Subgen. I. EU-LEUCOTHOE [DC.] Drude in Nat. Pflanzenfam. IV. 1: 42 [1889].
- Leucothoe* sect. *Euleucothoe* De Candolle, Prodr. 7,2: 601 (1839). — Gray, Syn. Fl. N. Am. 2,1: 33 (1878) "§ 1."
- Leucothoe* sect. *Leucothoe* Gray, Man. Bot. N. U. S. ed. 2, 252 (1856).
- Lyonia* subgen. *Leucothoe* K. Koch, Dendr. 2,1: 122 (1872).
- Oreocallis* Small in N. Am. Fl. 29: 58 (1914), non R. Brown (1810).
- Leucothoe* sect. *Paraleucothoe* et sect. *Eubotryoides* Nakai, Trees Shrubs Jap. 1: 127 (1922), nom. subnud.
- L. Catesbaei** (Walt.) Gray, Man. Bot. N. U. S. ed. 2, 252 (1856); Syn. Fl. N. Am. 2,1: 34 (1878). — Small in N. Am. Fl. 29: 57 (1914).
- ?*Andromeda serratifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 4 [1782?], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 3 (1783), nom.
- ?*Andromeda lanceolata* W. Young, Cat. Arb. Arbust. Am. 2 (1783), nom. — Desfontaines, Cat. Pl. Hort. Paris, ed. 3, 398 (1829), nom. Wallich (1820).
- Andromeda Catesbaei* Walter, Fl. Carol. 137 (1788).
- Andromeda axillaris* sensu Michaux, Fl. Bor.-Am. 1: 253 (1803), p. p. max., non Lamarck (1783).
- Andromeda Walteri* Willdenow, Enum. Pl. Hort. Bot. Berol. 453 (1809).
- Andromeda spinulosa* Pursh, Fl. Am. Sept. 1: 293 (1814).
- Andromeda axillaris* β. *longifolia* Pursh, l. c. (1814).
- ?*Andromeda serrata* et *serratifolia* Hort. ex De Candolle, Prodr. 7,2: 602 (1839), pro syn.
- ?*Leucothoe spinulosa* Don ex Regel in Gartenfl. 5: 327 (1856).
- Lyonia Catesbaei* K. Koch, Dendr. 2,1: 125 (1872).
- L. Catesbaei** var. **Rollisoni** Bean, Trees Shrubs Brit. Isl. 2: 19 (1914).
- ?*Leucothoe Catesbaei* f. *angustata* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 389 (1903), nom.
- L. axillaris** (Lam.) D. Don in Edinb. New Philos. Jour. 17: 159 (1834). — Gray, Syn. Fl. N. Am. 2,1: 34 (1878). — Small in N. Am. Fl. 29: 57 (1914). — Fernald in Rhodora, 47: 171, t. 900 (1945).
- Andromeda axillaris latifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 3 [1782?], nom. subnud.
- Andromeda axillaris* Lamarck, Encycl. Méth. Bot. 1: 157 (1783).
- ?*Andromeda Hahniana* Meerburgh, Pl. Select. Icon. p. [7], t. 24 (1798). — Steudel, Nomencl. Bot. 44 (1821), sphalm. "*Halmiana*." — An *L. Catesbaei* (Walt.) Gray?
- Lyonia axillaris* K. Koch, Dendr. 2,1: 124 (1872).
- Leucothoe platyphylla* Small in Bull. Torrey Bot. Club, 28: 290 (1901). — Fl. Southeast. U. S. 886 (1903).
- L. populifolia** (Lam.) Dippel, Handb. Laubh. 1: 356 (1889).
- Andromeda populifolia* Lamarck, Encycl. Méth. Bot. 1: 159 (1783).
- Andromeda lucida* Jacquin, Coll. Bot. 1: 95 (1786); Icon. Pl. Rar. 1: 8, no. 79, t. (1786); cf. Rehder in Jour. Arnold Arb. 20: 426 (1939). — Non Lamarck (1783).
- Andromeda reticulata* Walter, Fl. Carol. 137 (1788).
- Andromeda acuminata* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 4 (1783), nom. subnud. — Aiton, Hort. Kew. 2: 70 (1789).
- Andromeda formosissima* Bartram, Travels N. & S. Carol. v, 24, 172, 303 (1791), nom.
- Andromeda laurina* Michaux, Fl. Bor.-Am. 1: 253 (1803).
- Leucothoe acuminata* G. Don, Gen. Hist. Dichlam. Pl. 3: 834 (1834). — Gray, Syn. Fl. N. Am. 2,1: 34 (1878). — Small in N. Am. Fl. 29: 57 (1914).
- Lyonia populifolia* K. Koch, Dendr. 2,1: 123 (1872).
- L. Davisiae** Torrey in Gray in Proc. Am. Acad. Arts. Sci. 7: 400 (1868). — Gray, Syn. Fl. N. Am. 2,1: 34 (1878).
- ?*Leucothoe Cusickii* M. E. Jones, Contrib. W. Bot. 11: 1 (1903).
- Andromeda Davisiae* Schneider, Ill. Handb. Laubh. 2: 530, fig. 346a-d (1911).
- Oreocallis Davisiae* Small in N. Am. Fl. 29: 58 (1914).
- L. Keiskei** Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 32 (1863). — Nakai, Trees Shrubs Jap. rev. ed., 1: 174, fig. 84 (1927).
- L. Grayana** Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 46 (in Mém. Biol. 8: 613, 1872) (1873).
- Leucothoe chlorantha* sensu Gray in Mem. Am. Acad. Arts. Sci. n. ser., 6: 399 (1859), non De Candolle (1839).
- Leucothoe Grayana* var. *Maximowicziana* Takeda in Kew Bull. 1912: 221 (1912).
- Leucothoe Grayana* var. *typica* Boissieu in Bull. Herb. Boissier, 5: 911 (1897). — Nakai, Trees Shrubs Jap. rev. ed., 1: 178, fig. 86 (1927).
- Subgen. II. EUBOTRYS (Nutt.) Rehder in Bailey, Stand. Cycl. Am. Hort. 4: 1850 (1916).
- Cassandra* Spach, Hist. Nat. Vég. Phan. 9: 477 (1840), non D. Don (1834).
- Eubotrys* Nuttall in Trans. Am. Philos. Soc. n. ser., 8: 269 (1843).
- Lyonia* subgen. *Eubotrys* K. Koch, Dendr. 2,1: 126 (1872). — Drude in Nat. Pflanzenfam. IV. 1: 44 [1889].
- Leucothoe* §. *Eubotrys* Gray, Man. Bot. N. U. S. ed. 2, 252 (1856); Syn. Fl. N. Am. 2,1: 34 (1878).
- L. racemosa** (L.) Gray, Man. Bot. ed. 2, 252 (1856); Syn. Fl. N. Am. 2,1: 35 (1878).
- Andromeda racemosa* Linnaeus, Sp. Pl. 394 (1753). — Schneider, Ill. Handb. Laubh. 2: 528, fig. 344p-r, 347l-n (1911).
- Andromeda paniculata* Linnaeus, l. c. (1753), p. p. max.
- Andromeda elegans* Meerburgh, Pl. Select. Icon. p. [8], t. 27 (1798).
- Andromeda spicata* Watson, Dendr. Brit. 1: t. 36 (1825).
- Lyonia racemosa* D. Don in Edinb. New Philos. Jour. 17: 159 (1834, July).
- Leucothoe spicata* G. Don, Gen. Hist. Dichlam. Pl. 3: 832 (1834).
- Zenobia racemosa* De Candolle, Prodr. 7,2: 598 (1839).
- Cassandra racemosa* Spach, Hist. Nat. Vég. Phan. 9: 478 (1840).
- Eubotrys racemosa* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 269 (1843). — Small in N. Am. Fl. 29: 55 (1914).
- L. racemosa** var. **projecta** Fernald in Rhodora, 41: 553, t. 578, fig. 1, 2 (1939).
- L. recurva** (Buckl.) Gray, Man. Bot. N. U. S. ed. 2, 252 (1856); Syn. Fl. N. Am. 2,1: 35 (1878).
- Andromeda recurva* Buckley in Am. Jour. Sci. 45: 172 (1843).
- Eubotrys recurva* Britton in Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 688, fig. 3239 (1913).
- EPIGAEA** Linnaeus, Sp. Pl. 395 (1753); Gen. Pl. ed. 5, 186, no. 486 (1754). — Bentham & Hooker f., Gen. Pl. 2: 585 (1876). — Gray, Syn. Fl. N. Am. 2,1: 29 (1878).

**Epigaea** (*continued*)

- Memaecylum* J. Mitchell, Diss. Princip. Bot. Zool. 35 (1769), reprint from Act. Phys.-Med. Acad. Nat. Curios. (1748), nom. prae-Linn.
- Epigaea* sect. *Euepigaea* De Candolle, Prodr. 7,2: 591 (1839).
- Parapyrola* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 191 (Prol. Fl. Jap. 335) (1867).
- TYPUS: *E. repens* L.
- E. repens** Linnaeus, Sp. Pl. 395 (1753).—Small in N. Am. Fl. 29: 73 (1914).
- E. repens** f. *rubicunda* (D. Don), grad. nov.  
*Epigaea repens* β. *rubicunda* D. Don in Sweet, Brit. Flow. Gard. ser. 2, 4: t. 384 (1837).—De Candolle, Prodr. 7,2: 591 (1839).
- Epigaea rubicunda* D. Don ex Steudel, Nomencl. Bot. 1: 559 (1841), pro syn.
- E. repens** f. *plena* Rehder in Jour. Arnold Arb. 7: 244 (1926).
- E. repens** var. *glabrifolia* Fernald in Rhodora, 41: 446, t. 562, fig. 1–3 (1913).
- E. asiatica** Maximowicz in Bull. Acad. Sci. St. Pétersb. 11: 431 (in Mém. Biol. 6: 204. 1867, Jan.) (1867).—Nakai, Trees Shrubs Jap. rev. ed., 1: 172, fig. 83 (1927).
- Parapyrola trichocarpa* Miquel in Ann. Mus. Bot. Lugd.-Bat. 3: 191 (Prol. Fl. Jap. 355) (1867).
- E. intertexta** (*E. asiatica* × *repens*) Mulligan in Jour. Hort. Soc. Lond. 64: 507, t. 116 (1939).
- ORPHANIDESIA** Boissier, Pl. Or. Nov. Dec. 1: 3 (1875); Fl. Or. 3: 967 (1875).—Bentham & Hooker f., Gen. Pl. 2: 582 (1876).
- TYPUS: *O. gaultherioides* Boiss.
- O. gaultherioides** Boissier, l. c.; op. cit. 968 (1875).—Dieck in Gartenfl. 40: 469, fig. 87 (1891).
- Trib. 3. GAULTHERIEAE Niedenzu in Bot. Jahrb. 11: 188 [1889] "*Arbutoideae* 3. G."; *Chiogenes* exclud.—Drude in Nat. Pflanzenfam. IV. 1: 45 [1889, after Aug.] "subfam. *Arbutoideae* trib. G."
- GAULTHERIA** Linnaeus, Sp. Pl. 395 (1753); Gen. Pl. ed. 5, 187, no. 487 (1754).—Bentham & Hooker f., Gen. Pl. 2: 582 (1876).—Small in N. Am. Fl. 29: 73 (1914).
- Gualteria* Scopoli, Introd. Hist. Nat. 194 (1777).
- Brossea* Lamarck, Encycl. Méth. Bot. 1: 470 [1785]; Tableau, 2: 1 (1797) "*Brossaea*"; Rec. Pl. 1: t. 111 (1797).—Kuntze, Rev. Gen. Pl. 2: 387 (1901).
- Gualtheria* G. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 697 (1791).—R. Brown, Fl. Nov. Holland. 558 (1810).
- Gaultheria* Hoffmannsegg, Verz. Pflanzenkult. 61, 172 (1824).—Reichenbach, Handb. Nat. Pflanzensyst. 206 (1837).
- Gautiera* Rafinesque, Med. Fl. 1: 202 (1828).—Kalm ex Endlicher, Gen. Pl. 756 [1839].
- Epigaea* sect. *Brossaea* De Candolle, Prodr. 7,2: 591 (1839).
- Gaultheria* Kalm ex Klotzsch in Linnaea, 24: 17 (1851).
- TYPUS: *G. procumbens* L.
- G. Shallon** Pursh, Fl. Am. Sept. 1: 284, t. 12 (1814).—Gray, Syn. Fl. N. Am. 2,1: 30 (1878).—Small, N. Am. Fl. 29: 80 (1914).
- Brossea Shallon* Kuntze, Rev. Gen. Pl. 2: 388 (1891).

- G. Veitchiana** Craib in Gard. Chron. ser. 3, 52: 188 (1912).
- Gaultheria fragrantissima* var. *hirsuta* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 10: 44 (Pl. David. 2: 82. 1888) (1887), non C. B. Clarke (1882).
- G. hispida** R. Brown, Fl. Nov. Holland. 559 (1810) "*Gualtheria*."—De Candolle, Prodr. 7,2: 594 (1839).—Hooker f., Fl. Tasman. 1: 241 (1860).—Burt & Hill in Jour. Linn. Soc. Lond. Bot. 49: 621 (1935).
- Brossea hispida* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. Hookeri** C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 458 (1882).—Anon. in Gard. Chron. ser. 3, 118: 184, fig. 93 (1945).
- G. Forrestii** Diels in Notes Bot. Gard. Edinb. 5: 210 (1912).—A. T. Johnson in Jour. Hort. Soc. London, 67: 364 (nom.), fig. 116 (1942).
- G. Wardii** Marquand & Shaw in Jour. Linn. Soc. Lond. Bot. 48: 198 (1929).—Airy-Shaw & Sealy in Bot. Mag. 161: t. 9516 (1938).
- G. tetramera** W. W. Smith in Notes Bot. Gard. Edinb. 11: 211 (1919).—Airy-Shaw in Bot. Mag. 163: t. 9618 (1942).
- G. Miqueliana** Takeda in Bot. Mag. Tokyo, 32: 195, fig. 107 (1918).—Sealy in Bot. Mag. 163: t. 9629 (1941).
- Gaultheria pyrolloides* Hooker f. & Thomson ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 30 (1863), p. p. quoad pl. jap.
- G. cuneata** (Rehd. & Wils.) Bean in Bot. Mag. 145: t. 8829 (1919).
- Gaultheria pyrolloides* var. *cuneata* Rehder & Wilson in Sargent, Pl. Wilson 1: 554 (1913).
- G. pyrolloides** Hooker f. & Thomson ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 30 (1863), exclud. pl. jap.
- Gaultheria pyrolloides* Hooker f. msc. ex C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 457 (1882).
- Brossea pyrolloides* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. rupestris** (Forst.) G. Don, Gen. Hist. Dichlam. Pl. 3: 841 (1834).—De Candolle, Prodr. 7,2: 594 (1839).—Burt & Hill in Jour. Linn. Soc. Lond. Bot. 49: 616 (1935).
- Andromeda rupestris* Forster, Fl. Ins. Austral. Prodr. 34 (1786).
- Brossea rupestris* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. procumbens** Linnaeus, Sp. Pl. 395 (1753).—Gray, Syn. Fl. N. Am. 2,1: 30 (1878).—Small in N. Am. Fl. 29: 395 (1914).
- Gautiera repens* Rafinesque, Med. Fl. 1: 202, t. (1828); non *Gaultheria repens* Blume (1826).
- Gautiera procumbens* Torrey, Fl. St. New-York, 1: 433 (1843).
- Brossea procumbens* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. nummularioides** D. Don, Prodr. Fl. Nepal. 150 (1825).—C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 457 (1882).—Rehder & Wilson in Sargent, Pl. Wilson. 1: 555 (1913).
- Gaultheria repens* Blume, Bijdr. Fl. Nederl. Ind. 857 (1826).
- Gaultheria Nummulariae* De Candolle, Prodr. 7,2: 592 (1839).
- Pernetia repens* Zollinger, Syst. Verz. Ind. Arch. Pfl. 138 (1854).

- G. trichophylla** Royle, Ill. Bot. Himal. 260 [1835, Dec.], t. 63, fig. 3 [1835, Jan.].—Rehder & Wilson in Sargent, Pl. Wilson. 1: 556 (1913).—Felbridge in Gard. Chron. ser. 3, 88: 446, fig. 183 (1930).—A. T. Johnson in Jour. Hort. Soc. Lond. 63: 201, fig. 41 (1938). *Brossea trichophylla* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. antarctica** Hooker f., Fl. Antarct. 2: t. 116 [1846] "*G. microphylla*" p. 327.—B. L. Burtt in Kew Bull. 1934: 401 (1934).  
*Arbutus serpyllifolia* Lamarck, Encycl. Méth. Bot. 1: 228 (1783); Tableau, 2: 490, t. 366, fig. 3 (1819).  
*Pernettya serpyllifolia* (Lam.) De Candolle, Prodr. 7: 587 (1839), exclud. syn. *Arbutus microphylla* Forst. f. [1846], exclud. syn. *Arbutus microphylla* Forst. f.—Rehder, Man. Cult. Trees Shrubs, ed. 2, 739 (1940).  
*Brossea antarctica* Kuntze, Rev. Gen. Pl. 2: 388 (1891).  
*Brossea microphylla* Kuntze, l. c. (1891).  
*Gaultheria serpyllifolia* (Lam.) Skottsberg in Svenska Vetensk.-akad. Handl. 56: 5: 282 (Bot. Ergebn. Patag.) (1916), non Pursh (1814).
- G. humifusa** (Graham) Rydberg in Mem. New York Bot. Gard. 1: 300 (1900).  
*Vaccinium humifusum* Graham in Edinb. New Philos. Jour. 11: 193 (1831).  
*Gaultheria Myrsinites* Hooker, Fl. Bor.-Am. 2: 35 [1834].—Gray, Syn. Fl. N. Am. 2: 1: 30 (1878).  
*Brossea myrsinites* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. ovatifolia** Gray in Proc. Am. Acad. Arts Sci. 19: 85 (1884).—Small in N. Am. Fl. 29: 75 (1914).  
*Brossea ovatifolia* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- G. adeno-thrix** (Miq.) Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 44 (in Mém. Biol. 8: 610. 1872) (1873).  
*Andromeda adeno-thrix* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 31 (1863).  
*Brossea adeno-thrix* Kuntze, Rev. Gen. Pl. 2: 388 (1891).  
*Diplycosia adeno-thrix* Nakai, Trees Shrubs Jap. 1: 164, fig. 94 (1922).
- G. minima** (Phil.) Sandwith in H. F. Comber, Field Notes Pl. Coll. Andes Expl. 69 (1928).  
*Pernettya minima* Philippi in Linnaea, 29: 11 (1857).
- GAULTHETTIA** (*Gaultheria* × *Pernettya*) Camp in Bull. Torrey Bot. Club, 66: 26 (1939, Jan.).  
*Gaulnetya* Marchant, Cat. Choice Trees, Oct. 1937: 83 (1937), nom. subnud.—Mulligan in Jour. Hort. Soc. Lond. 64: 127 (1939, March).
- G. wisleyensis** (*G. Shallon* × *P. mucronata*) (Marchant) Rehder, Man. Cult. Trees Shrubs, ed. 2, 739 (1940).  
*Gaulnetya wisleyensis* Marchant, Cat. Choice Trees, Oct. 1937: 83 (1937), nom. subnud.  
*Gaulnetya* × "*Wisley Pearl*", Mulligan in Jour. Hort. Soc. Lond. 64: 127 fig. 14-17 (1939).
- PERNETTYA** Gaudichaud in Ann. Sci. Nat. 5: 102 (1825) "*Pernettia*"; Voy. Monde Oranie (par Freycinet) Bot. 454, t. 67 (1826).—Bentham & Hooker f., Gen. Pl. 2: 582 (1876).—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 626-655 (Rev. *Pernettya*) (1935).—Non *Pernettya* Scopoli (1777) "*Pernettya*" in indice.—Nom. CONSERV. PROPOS. of Kew Bull. 1939: 327 [1939].  
*Pernettya* subgen. *Eu-Pernettya* Drude in Nat. Pflanzenfam. IV. 1: 47 [1889].—Reiche, Fl. Chile, 5: 72 (1910) "sect."
- Pernettya* sect. *Archipernettya* Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 633 (1935).  
 TYPUS: *Andromeda empetrifolia* Lam. = *P. pumila* (L. f.) Hook.
- P. mucronata** (L. f.) Sprengel, Syst. Veg. 4: 2: 158 (1827) "*Pernettia*."—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 650 (1935).  
*Arbutus mucronata* Linnaeus f., Suppl. Pl. 239 (1781).  
*Arbutus rigida* Banks & Solander msc. ex Hooker f., Fl. Antarct. 2: 326 (1847), pro syn.; non Bertero (1835).  
*Pernettya ovalifolia* Hombron & Jacquinot, Atlas Hist. Nat. Phan. t. 22bis, fig. 1 (Dumont d'Urville, Voy. Pôle Sud) (1852).—Decaisne, Pl. Vasc. in Hombron & Jacquinot, Bot. 2: 28 (Dumont d'Urville, Voy. Pôle Sud) (1853), pro syn.  
*Pernettya oblongifolia* Hombron & Jacquinot, l. c. t. 22bis, fig. m (1852).—Decaisne, l. c. (1853), pro syn.  
*Pernettya litoralis* Philippi in Anal. Univ. Chile, 27: 319 (1865).  
*Pernettya* ? *palenae* Philippi in op. cit. 90: 195, fig. 15 (1895).  
*Pernettya hybrida* Hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 393 (1903), nom.  
*Pernettya Philippi* Gandoger in Bull. Soc. Bot. France, 60: 24 (1913).  
*Pernettya floribunda* hort., *P. speciosa* hort. ex Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 653 (1935), pro syn.  
*Pernettya phillyreaefolia* hort. ex Sleumer, l. c. (1935), pro syn.; non (Pers.) De Candolle (1839).
- P. mucronata** f. *alba* [Davis] Voss, Vilmoren. Blumengärt. 1: 595 [1895], nom.  
*Pernettya mucronata alba* Davis ex "Alpha" in Garden, 23: 470, t., fig. (1883), nom.—Schneider in Gartenschönh. 19: 16, t., fig. 7 (1938) "f."
- P. mucronata** f. *rosea* [Davis] Voss, l. c. [1895], nom.  
*Pernettya mucronata rosea* Davis ex André in Rev. Hort. 1884: 160 (1884).—Schneider, l. c. fig. 8 (1938) "f."
- P. mucronata** f. *coccinea* [Davis] Voss, l. c. [1895], nom.  
*Pernettya mucronata coccinea* Davis ex Dean in Floral Mag. 1879: t. 339, fig. 1 (1879).
- P. mucronata** f. *lilacina* [Davis] Voss, l. c. [1895], nom.  
*Pernettya mucronata lilacina* Davis ex Dean, l. c. t. 339, fig. 2 (1879).  
*Pernettia lilacina* Pynaert in Rev. Hort. Belg. 12: 253, t. (1886).
- P. mucronata** f. *purpurea* (Davis), grad. nov.  
*Pernettya mucronata purpurea* Davis ex Dean, l. c. t. 339, fig. 3 (1879).
- P. mucronata** var. *angustifolia* (Lindl.) Reiche, Fl. Chile, 5: 75 (1910); 717 (1927).—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 651 (1935).  
*Pernettya angustifolia* Lindley in Bot. Reg. 26: t. 63 (1840).  
*Pernettya mucronata angustifolia* Nicholson, Ill. Dict. Gard. 3: 80 [1886].  
*Gaultheria myrtilloides* Hooker & Arnott in Hooker's Jour. Bot. 1: 281 (1834), exclud. var.  $\beta$ .
- P. mucronata** var. *rupicola* (Phil.) Reiche, Fl. Chile, 5: 74 (1910).—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 652 (1935).  
*Pernettya rupicola* Philippi in Linnaea, 29: 10 (1857).

**Pernettya** (continued)

- P. pumila** (L. f.) Hooker, Icon. Pl. 1: t. 9 (1836).—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 637 (1935).  
*Arbutus pumila* Linnaeus f., Suppl. Pl. 239 (1781).  
*Arbutus empetrifolia* Lamarck, Encycl. Méth. Bot. 1: 155 (1783).  
*Pernettya empetrifolia* Gaudichaud in Ann. Sci. Nat. 5: 102 (1825).  
*Andromeda humilis* Banks & Solander msc. ex Hooker f., Fl. Antarct. 2: 326 (1847), pro syn.  
*Pernettya pumila* var. *empetrifolia* Kuntze, Rev. Gen. Pl. 3,2: 192 (1898).  
*Pernettya trinervia* Gandoger in Bull. Soc. Bot. France, 60: 24 (1913).
- P. tasmanica** Hooker f. in Lond. Jour. Bot. 6: 268 (1847).—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 640 (1935).
- P. prostrata** (Cav.) Sleumer in op. cit. 12: 289 (1935).  
*Andromeda prostrata* Cavanilles, Icon. Descr. Pl. 6: 43, t. 562, fig. 2 (1801).  
*Pernettya Cavanillesiana* G. Don, Gen. Hist. Dichlam. Pl. 3: 837 (1834).  
*Pernettya Pentlandii*  $\beta$ . *parvifolia* Wedd. subvar. *humilis* Planchon msc. ex Weddell in Chloris And. 2: 170 (1857).  
*Pernettya humilis* Planchon msc. ex Weddell, l. c. (1857), pro syn.  
*Pernettya densa* Rusby in Phytologia, 2: 70 (1934).  
*Pernettya prostrata* var. *eu-prostrata* Sleumer in op. cit. 12: 289 (1935).
- P. prostrata** var. **Pentlandii** (DC.) Sleumer in op. cit. 12: 290, 647 (1935).  
*Gautiera myrtilloides* Poeppig & Endlicher, Nov. Gen. Sp. Pl. 1: 25, t. 41 (1835), non Chamisso & Schlechtendal (1826), nec Hooker & Arnott (1834).  
*Arbutus myrtilloides* Poeppig Pl. exs. ex Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 2: 335 (Pl. Nov. Monac. fasc. II) [1836?], nom. = *Pernettya* sp.  
*Pernettya Pentlandii* De Candolle, Prodr. 7,2: 587 (1839).  
*Gaultheria Poeppigii* De Candolle, op. cit. 593 (1839).—Reiche, Fl. Chile, 5: 84 (1910).  
*Pernettya angustata* Benth., Pl. Hartweg. 219 [1846].  
*Pernettya Poeppigii* Klotzsch in Linnaea, 24: 83 (1851).  
*Pernettya buxifolia* Philippi in Anal. Univ. Chile, 43: 508 (1873); 90: 194 (1895), non Martens & Galeotti (1842).  
*Pernettya myrtilloides* Zuccarini ex B. D. Jackson in Index Kew. 2: 472 [1894].—Skottsberg in Svenska Vetensk.-Akad. Handl. 56,5: 283 (1916).—Non Meissn. (1856).  
*Pernettya patagonica* Spegazzini in Revista Agron. La Plata, 1897: 547 (1897).  
*Pernettya Philippiana* Spegazzini in op. cit. 548 (1897).  
*Pernettya purpurea*  $\beta$ . *Pentlandii* Kuntze, Rev. Gen. Pl. 3,2: 193 (1898).  
*Pernettya phillyreifolia* var. *araucaria* Kuntze, op. cit. 192 (1898).  
*Pernettya leucocarpa* var. *buxifolia* et var. *linearis* Reiche, Fl. Chile, 5: 77, 78 (1910).  
*Pernettya schizostigma* Rusby in Phytologia, 1,2: 70 (1934).
- P. prostrata** var. **purpurea** (Don) Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 290, 644 (1935).  
*Pernettya purpurea* G. Don, Gen. Hist. Dichlam. Pl. 3: 837 (1834).  
*Pernettya parvifolia* Benth., Pl. Hartweg. 219 [1846].  
*Pernettya Halliana* Klotzsch in Linnaea, 24: 84 (1851).  
*Pernettya setigera* Klotzsch in op. cit. 85 (1851).
- Pernettya Pentlandii* var. *parvifolia* et var. *myrtilloides* Weddell, Chloris And. 2: 170 (1857).  
*Pernettya myrtilloides* Grisebach msc. ex Weddell, l. c. (1857), pro syn.  
*Pernettya Pentlandii* sensu Hooker f. in Bot. Mag. 101: t. 6204 (1875), non De Candolle (1839).  
*Pernettya myrtilloides* Griseb. ex Philippi in Anal. Univ. Chile, 90: 197 (1895), sphalm. pro *P. myrtilloides*.  
*Gaultheria sanmartensis* Rusby, Descr. 300 New Sp. S. Am. Pl. 73 (1920).  
*Pernettya albiflora* Fedtschenko & Basilewskaja in Notul. Syst. Herb. Hotr. Bot. U. S. S. R. 6: 25 (1926).
- P. lanceolata** (Hook. f.) Burt & Hill in Jour. Linn. Soc. Lond. Bot. 49: 638 (1935).—Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 12: 641 (1935).  
*Gaultheria lanceolata* Hooker f. in Lond. Jour. Bot. 6: 267 (1847); Fl. Tasman. 1: 341, t. 72 (1857).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 739 (1940).  
*Brossea lanceolata* Kuntze, Rev. Gen. Pl. 2: 388 (1891).
- Trib. 4. ARBUTEAE Reichenbach, Handb. Nat. Pflanzen-syst. 206 (1837).—De Candolle, Prodr. 7,2: 580 (1839).—Gray, Syn. Fl. N. Am. 2,1: 15 (1878) "subord. *Ericineae* trib. A."—Nieden zu in Bot. Jahrb. 11: 177 (1889) "i. *Arbutoideae* 1. A."  
*Ericaceae* b. *Ericaceae* Reichenbach, Consp. Reg. Veg. 129 (1828), p. p.; nom. subnud.  
*Ericineae* trib. *Ericaceae* Koch, Fl. Germ. Helv. 475 (1837), p. p.  
*Ericineae* trib. *Arbutae* Koch, op. cit. ed. 2, 2: 546 (1844).  
*Siphonandraceae* trib. *Arbutae* Klotzsch in Linnaea, 24: 69 (1851), exclud. *Enkyanthus*.
- ARBUTUS** Linnaeus, Sp. Pl. 395 (1753); Gen. Pl. ed. 5, 187, no. 488 (1754).—Benth. & Hooker f., Gen. Pl. 2: 581 (1876).  
LECTOTYPUS: *A. Unedo* L.
- A. Unedo** Linnaeus, Sp. Pl. 395 (1753).—Rouy in Rouy & Foucaud, Fl. France, 10: 102 (1908).  
*Arbutus serratifolia* Salisbury, Prodr. Stirp. Chap. Allert. 228 (1796).  
*Unedo edulis* Hoffmannsegg & Link, Fl. Portug. 1: 415 (1809).  
*Arbutus Unedo* a. *serratifolia* (DC.) Rouy in Rouy & Foucaud, Fl. France, 10: 102 (1908).—Hegi, Ill. Fl. Mittel-Eur. 5,3: 1665 [1926] "f."
- A. Unedo** f. **rubra** (Ait.), grad. nov.  
*Arbutus Unedo*  $\beta$ . *rubra* Aiton, Hort. Kew. 2: 71 (1789).  
*Arbutus Unedo* *Croomii* Hort. ex Gard. Chron. n. ser., 22: 492 (1884).
- A. Unedo** f. **integerrima** (Sims) Hegi, Ill. Fl. Mittel-Eur. 5,3: 1665 [1926].  
*Arbutus Unedo* var.  $\delta$ . *integerrima* Sims in Bot. Mag. 49: t. 2319 (1822).  
*Arbutus Unedo*  $\beta$ . *integrifolia* Sims ex Rouy in Rouy & Foucaud, Fl. France, 10: 102 (1898).
- A. Andrachne** Linnaeus, Sp. Pl. ed. 2, 1: 566 (1762).—Schneider, Ill. Handb. Laubh. 2: 542, fig. 355h-k (1911).  
*Arbutus integrifolia* Lamarck, Encycl. Méth. Bot. 1: 227 (1783).
- A. andrachnoides** (*A. Andrachne*  $\times$  *Unedo*) Link, Enum. Pl. Hort. Berol. 1: 395 (1821).  
*Arbutus serratifolia* Loddiges, Bot. Cab. 6: t. 580 (1821), non Salisbury (1796).  
*Arbutus hybrida* Ker in Bot. Reg. 8: t. 619 (1822).  
*Arbutus Unedo-Andrachne* Boissier, Fl. Or. 3: 966 (1875).

- A. Menziesii** Pursh, Fl. Am. Sept. 1: 282 (1814). — Gray, Syn. Fl. N. Am. 2,1: 27 (1878). — Jepson, Fl. Calif. 3: 27, fig. 289 (1939).  
*Arbutus procera* Douglas ex Lindley in Bot. Reg. 21: t. 1753 (1836).  
*Arbutus Texana* Buckley in Proc. Acad. Nat. Sci. Philad. 1861: 460 (1862).
- ARCTOSTAPHYLOS** Adanson, Fam. Pl. 2: 165 (1763). — Bentham & Hooker f., Gen. Pl. 2: 581 (1876).  
*Arbutus* Linnaeus, Sp. Pl. 395 (1753), p. p. quoad sp. 4.  
*Uva-ursi* Miller, Gard. Dict. abridg. ed. 4, 3 (1754) "*Uva Ursi*." — Moench, Meth. Pl. 470 (1794) "*Uva ursi*." — S. F. Gray, Nat. Arr. Brit. Pl. 2: 400 (1821). — Abrams in N. Am. Fl. 29: 92 (1914).  
*Mairania* Necker, Elem. Bot. 1: 219 (1790). — Desvaux in Jour. Bot. (Desvaux) 1: 37 (1813), p. p.  
*Comarostaphylis* Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 2: 331 (1837). — Small in N. Am. Fl. 29: 85 (1914).  
*Xylococcus* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 258 (1843). — Small in N. Am. Fl. 29: 92 (1914).  
*Xerobotrys* Nuttall in op. cit. 267 (1843).  
*Daphnidostaphylis* Klotzsch in Linnaea, 24: 79 (1851).  
*Arctostaphylos* §. *Uva-ursi* Gray, Syn. Fl. N. Am. 2,1: 27 (1878).  
*Arctostaphylos* §. *Xylococcus* Gray, op. cit. 28 (1878). — Drude in Nat. Pflanzenfam. IV. 1: 49 [1889] "subgen."  
*Arctostaphylos* §. *Comarostaphylis* Gray, op. cit. 29 (1878). — Drude, l. c. [1889] "subgen."  
*Arctostaphylos* subgen. *Eu-Arctostaphylos* Drude, l. c. [1889].  
*Ornithostaphylos* Small in N. Am. Fl. 29: 101 (1914).  
*Schizococcus* Eastwood in Leaf. West. Bot. 1: 98 (1934).  
 TYPE: *Arbutus Uva-ursi* L. = *Arctostaphylos Uva-ursi* (L.) Spreng.
- A. Uva-ursi** (L.) Sprengel, Syst. Veg. 2: 287 (1825). — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (fasc. 3) 63: 84, fig. (1919). — Jepson Fl. Calif. 3: 35 (1939).  
*Arbutus Uva-ursi* Linnaeus, Sp. Pl. 395 (1753).  
*Arbutus acerbus* Gilibert, Fl. Lithuan 1: 5 (1781); Exerc. Phytol. 1: 13 (1792).  
*Uva ursi procumbens* Moench, Meth. Pl. 470 (1794).  
*Mairania Uva-ursi* Desvaux in Jour. Bot. (Desvaux) 1: 37 (1813).  
*Uva-ursi buxifolia* S. F. Gray, Nat. Arr. Brit. Pl. 2: 400 (1821).  
*Arctostaphylos officinalis* Wimmer & Grabowski, Fl. Siles. 1: 391 (1827).  
*Arctostaphylos procumbens* Patze, Meyer & Elkan, Fl. Preuss. 188 (1850).  
*Daphnidostaphylis Fendleriana* Klotzsch in Linnaea, 24: 80 (1851).
- A. nevadensis** Gray, Syn. Fl. N. Am. 2,1: 27 (1878). — Jepson, Fl. Calif. 3: 37 (1939).  
*Uva-ursi nevadensis* Abrams in N. Am. Fl. 29: 94 (1914).
- A. pumila** Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 267 (1843). — Gray, Syn. Fl. N. Am. 2,1: 28 (1878). — Jepson, Fl. Calif. 3: 36 (1939).  
*Daphnidostaphylis pumila* Klotzsch in Linnaea, 24: 267 (1851).  
*Uva-ursi pumila* Abrams in N. Am. Fl. 29: 100 (1914).
- A. Manzanita** Parry in Bull. Calif. Acad. Sci. 2: 491 (1887). — Jepson, Fl. Calif. 3: 41, fig. 298 (1939).  
*Arctostaphylos elegans* Jepson in Erythraea, 1: 15 (1893).  
*Uva-ursi Manzanita* Abrams in N. Am. Fl. 29: 96 (1914).
- A. patula** Greene in Pittonia, 2: 171 (1891, Sept.). — Jepson, Fl. Calif. 3: 39 (1939).  
*Arctostaphylos glauca* sensu S. Watson, Botany (40th Parall.) 210 (in C. King, Report U. S. Geol. Expl. 40th Parall. vol. 5) (1871), non Lindley (1830).  
*Arctostaphylos pungens* Gray in Brewer & Watson, Bot. Calif. 1: 453 (1876), p. p.  
*Arctostaphylos pungens* var. *platyphylla* Gray, Syn. Fl. N. Am. 2,1: 28 (1878).  
*Arctostaphylos platyphylla* Kuntze, Rev. Gen. Pl. 2: 385 (1891, Oct. or later).  
*Arctostaphylos obtusifolia* Piper in Bull. Torrey Bot. Club, 29: 642 (1902).  
*Uva-ursi patula* Abrams in Bull. New York Bot. Gard. 6: 433 (1910); in N. Am. Fl. 29: 96 (1914).  
*Arctostaphylos patula* var. *incarnata* Jepson in Madroño, 1: 80 (1922).
- A. pungens** Humboldt, Bonpland, Kunth, Nov. Gen. Pl. 3: 278 (1819). — Gray, Syn. Fl. N. Am. 2,1: 28 (1878).  
*Arbutus myrtifolia* Willdenow ex Steudel, Nomencl. Bot. ed. 2, 1: 119 (1840), pro syn.  
*Arbutus rigida* Willdenow ex Steudel, l. c. (1840), pro syn.  
*Daphnidostaphylis pungens* Klotzsch in Linnaea, 24: 80 (1851).  
*Arctostaphylos montana* Eastwood in Proc. Calif. Acad. Sci. ser. 3, Bot. 1: 83 (1897).  
*Uva-ursi pungens* Abrams in Bull. New York Bot. Gard. 6: 432 (1910).  
*Uva-ursi montana* Abrams in N. Am. Fl. 29: 95 (1914).
- A. viscida** Parry in Bull. Calif. Acad. Sci. 2: 492 (1887). — Jepson, Fl. Calif. 3: 44 (1939).  
*Arctostaphylos pulchella* Howell, Fl. Northwest. Am. 1: 416 (1901).  
*Uva-ursi viscida* Abrams in N. Am. Fl. 29: 99 (1914).
- A. tomentosa** (Pursh) Lindley in Bot. Reg. 21: t. 1791 (1836). — Jepson, Fl. Calif. 3: 47 (1939).  
*Arbutus tomentosa* Pursh, Fl. Am. Sept. 1: 282 (1814).  
*Arctostaphylos cordifolia* Lindley in Bot. Reg. 21: t. 1791, p. [1] (1836).  
*Andromeda bracteosa* De Candolle, Prodr. 7,2: 607 (1839).  
*Xerobotrys tomentosus* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 267 (1843).  
*Xerobotrys ? cordifolius* Nuttall in op. cit. 268 (1843).  
*Xerobotrys argutus* Nuttall, l. c. (1843).  
*Daphnidostaphylis tomentosa* Klotzsch in Linnaea, 24: 79 (1851).  
*Daphnidostaphylis cordifolia* Klotzsch in op. cit. 81 (1851).  
*Arctostaphylos media* Greene in Pittonia, 2: 171 (1891).  
*Arctostaphylos glandulosa* Eastwood in Proc. Calif. Acad. Sci. ser. 3 (Bot.) 1: 82 (1897).  
*Arctostaphylos canescens* Eastwood in op. cit. 84 (1897).  
*Arctostaphylos intermedia* Greene ex J. Howell, Fl. Northwest. Am. 1: 415 (1901) sphalm. pro *media*.  
*Arctostaphylos hispidula* (p. 415), *A. oblongifolia* (p. 416), *A. parvifolia*, *A. intricata*, *A. cinerea*, *A. bracteata* (p. 417), *A. strigosa*, T. Howell, op. cit. 415–417 (1901).  
*Arctostaphylos vestita* Eastwood in Sargent, Trees & Shrubs, 1: 205, t. 97 (1905).  
*Uva-ursi tomentosa* Abrams in Bull. New York Bot. Gard. 6: 433 (1910); in N. Am. Fl. 29: 97 (1914).  
*Uva-ursi vestita* Abrams in N. Am. Fl. 29: 98 (1914).  
*Arctostaphylos tomentosa* var. *bracteosa* Jepson, Fl. Calif. 3: 48 (1939).
- A. nummularia** Gray in Proc. Am. Acad. Arts. Sci. 7: 366 (1868); Syn. Fl. N. Am. 2,1: 28 (1878). — Jepson, Fl. Calif. 3: 36, fig. 296 (1939).

**Arctostaphylos nummularia** (continued)

- Uva-ursi nummularia* Abrams in N. Am. Fl. **29**: 100 (1914).  
*Schizococcus Nummularia* Eastwood in Leaf. West. Bot. **1**: 99 (1934).
- A. myrtifolia** Parry in Pittonia, **1**: 34 (1887).—Jepson, Fl. Calif. **3**: 38 (1939).  
*Uva-ursi myrtifolia* Abrams in N. Am. Fl. **29**: 100 (1914).  
*Arctostaphylos nummularia* var. *myrtifolia* Jepson in Madroño, **1**: 85 (1922).  
*Schizococcus myrtifolius* Eastwood in Leaf. West. Bot. **1**: 99 (1934).
- A. bicolor** (Nutt.) Gray in Proc. Am. Acad. Arts. Sci. **7**: 366 (1868); Syn. Fl. N. Am. **2,1**: 29 (1878).—Jepson, Fl. Calif. **3**: 51 (1939).  
*Xylococcus bicolor* Nuttall in Trans. Am. Philos. Soc. ser. **2**, **8**: 259 (1843).—Abrams in N. Am. Fl. **29**: 92 (1914).  
*Comarostaphylis bicolor* Klotzsch in Linnaea, **24**: 78 (1851).  
*Arctostaphylos Veatchii* Kellogg in Proc. Calif. Acad. Sci. **2**: 19 (1863).  
*Arctostaphylos bicolor* Gray in Proc. Am. Acad. Arts. Sci. **7**: 366 (1868).  
*Arctostaphylos Clevelandii* Gray, Syn. Fl. N. Am. **2,1**: 29 (1878).
- A. diversifolia** Parry ex Gray, Syn. Fl. N. Am. ed. **2**, **1**: 397 (1886).  
*Arctostaphylos arguta* var. *diversifolia* Parry in Proc. Davenport Acad. Nat. Sci. **4**: 35 (1884).  
*Comarostaphylis diversifolia* Greene in Bull. Calif. Acad. Sci. **2**: 406 (1887).—Jepson, Fl. Calif. **3**: 28 (1939).
- ARCTOUS** (Gray) Niedenzu in Bot. Jahrb. **11**: 144 [1889].—Drude in Nat. Pflanzenfam. IV. **1**: 49 (1889).—Small in N. Am. Fl. **29**: 102 (1914).  
*Arbutus* Linnaeus, Sp. Pl. 395 (1753), p. p. quoad sp. **3**.  
*Mairania* Desvaux in Jour. Bot. (Desvaux) **1**: 37 (1813), p. p.—Britton in Britton & Brown, Ill. Fl. N. U. S. **2**: 573 (1897).—Vix Necker (1790).  
*Arctostaphylos* §. *Arctous* Gray, Syn. Fl. N. Am. **2,1**: 27 (1878).  
 TYPUS: *Arbutus alpina* L. = *Arctous alpinus* (L.) Niedenz.
- A. alpinus** (L.) Niedenzu in Bot. Jahrb. **11**: 141 [1889].—Schneider, Ill. Handb. Laubh. **2**: 545, fig. 3561-r, 357s-v (1911).—Small in N. Am. Fl. **29**: 102 (1914) "*alpina*".—E. Busch in N. Busch, Fl. Sibir. Or. Extr. (fasc. **3**) **63**: 89, fig. (1919).  
*Arbutus alpina* Linnaeus, Sp. Pl. 395 (1753).  
*Mairania alpina* Desvaux in Jour. de Bot. (Desvaux) **1**: 37 (1813).  
*Arctostaphylos alpina* Sprengel, Syst. Veg. **2**: 287 (1825).—Gray, Syn. Fl. N. Am. **2,1**: 27 (1878).
- A. ruber** (Rehd. & Wils.) Nakai in Bot. Mag. Tokyo, **38**: 40 (1924); Trees Shrubs Jap. rev. ed., **1**: 216, fig. 104 (1927).  
*Arctous alpinus* var. *ruber* Rehder & Wilson in Sargent, Pl. Wilson. **1**: 556 (1913).—Nakai, Fl. Sylv. Kor. **8**: 49, t. 19 (1919).  
*Arctostaphylos rubra* Fernald in Rhodora, **16**: 21 (1914, Jan.).  
*Arctous erythrocarpa* Small in N. Am. Fl. **29**: 102 (1914, Aug.).
- Trib. **5. ERICEAE** Reichenbach, Consp. Reg. Veg. **129** (1828), p. p.; nom. subnud.—D. Don in Edinb. New

Philos. Jour. **17**: 152 (1834).—Endlicher, Gen. Pl. 751 [1839] "subord. *Ericinae* trib. *E.*"—Bentham & Hooker f., Gen. Pl. **2**: 579 (1876).—Drude in Nat. Pflanzenfam. IV **1**: 32, 57 (1889) "π. *Ericoideae* 9. *E.*"  
*Ericariae* Batsch, Tab. Affin. Reg. Veg. 215 (1802), nom. subnud.  
*Ericinae* trib. *Ericaceae* Koch, Fl. Germ. Helv. 475 (1837), p. p.  
*Ericaceae* trib. *Ericaceae* subtr. *Euericeae* De Candolle, Prodr. **7,2**: 612 (1839).—K. Koch, Hort. Dendr. 328 (1853) "trib. *Euericeae*."  
*Ericinae* trib. *Ericaceae* K. Koch, op. cit. ed. **2**, **2**: 547 (1844).  
*Rhodoraceae* в *Ericariae* l. *Ericaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 110 (1847).

**CALLUNA** Salisbury in Trans. Linn. Soc. Lond. **6**: 317 (1802).—Bentham & Hooker f., Gen. Pl. **2**: 589 (1876).

*Erica* Linnaeus, Sp. Pl. 352 (1753), quoad sp. **1**; Gen. Pl. ed. **5**, 167, no. 435 (1754).

TYPUS: *Erica vulgaris* L. = *C. vulgaris* (L.) Hull.

**C. vulgaris** (L.) Hull, Brit. Fl. ed. **2**, **1**: 114 (1808).—Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. **5,3**: 1689, fig. 2692-6 [1926].—Beijerinck in Rec. Trav. Bot. Néerl. **34**: 445-470 (1937); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. **2**, **38,4**: 180 p. p., 29 tt. (Calluna) (1940).

*Erica vulgaris* Linnaeus, Sp. Pl. 352 (1753).

*Erica glabra* Gilibert, Fl. Lithuan. **1**: 3 (1781); Exerc. Phytol. **1**: 8 (1792).

*Calluna Erica* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. **3**, **3**: 680 (1805).—Rouy in Rouy & Foucaud, Fl. France, **10**: 105 (1908).

*Calluna sagittaeifolia* S. F. Gray, Nat. Arr. Brit. Pl. **1**: 399 (1821).

*Calluna vulgaris* a. *carnea* Sweet, Hort. Brit. 255 (1826).

*Calluna vulgaris* a. *genuina* Regel in Verh. Ver. Beförd. Gartenb. Preuss. **16**: 218 (Kultur Aufz. Erik. **58**. 1843) (1842).

*Calluna vulgaris* var. *glabra* Neilreich, Fl. Nieder-Oester. **596** (1859).

*Calluna atlantica* Seemann in Jour. Bot. **2**: 308 (1866).  
*Calluna genuina* Ducommun, Taschenb. Schweiz. Bot. **491** (1869).

*Erica Eremocharis* Gandoger, Fl. Lyonn. 149 (1875).

*Calluna olbiensis* A. Albert in Bull. Soc. Ét. Sci. Archéol. Draguignan, **1884**: 268, in nota (Bot. Var. Pl. Nouv. Rar. **60**) (1884).

*Calluna Erica* race π. *C. olbiensis* Albert ex Rouy in Rouy & Foucaud, Fl. France, **10**: 106 (1908).

*Calluna elegantissima* Sennen in Bol. Soc. Iber. n. ser. **28**: 177 (1930).

**C. vulgaris** f. *alba* [West.] Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. **5,3**: 1691 [1926].

*Erica vulgaris* 2. *alba* Weston, Bot. Univ. **1**: 98 (1770).—Waitz, Beschr. Gatt. Art. Heid. 92 (1805) "δ."

*Calluna vulgaris* var. e. *alba* G. Don, Gen. Hist. Dichlam. Pl. **3**: 828 (1834).

*Calluna vulgaris* f. *albiflora* Michot, Fl. Hainaut, 142 (1845).

**C. vulgaris** f. *Hammondii* (Bean), grad. nov.

*Calluna vulgaris alba Hammondii* [hort.] ex Dippel, Handb. Laubh. **1**: 373 (1889), nom. subnud.

*Calluna vulgaris* var. *Hammondii* Bean, Trees Shrubs Brit. Isl. **1**: 282 (1914).

- Calluna vulgaris* var. *genuina* f. *alba* subf. *Hammondii* Beijerinck in Rec. Trav. Bot. Néerl. **34**: 452 (1937).
- C. vulgaris** f. *Searlei* (Fraser), grad. nov.  
*Erica* (*Calluna*) *vulgaris* *Searlei* H. Fraser in Garden, **18**: 623 (1880).  
*Calluna vulgaris* var. *alba* *Searlei* Bean, Trees Shrubs Brit. Isl. **1**: 281 (1914).  
*Calluna vulgaris* var. *genuina* f. *alba* subf. *Searlei* (hort.) Beijerinck in Rec. Trav. Bot. Néerl. **34**: 452 (1937).
- C. vulgaris** f. *purpurea* (Don) Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. **5,3**: 1691 [1926].  
*Calluna vulgaris* var. *a. purpurea* G. Don, Gen. Hist. Dichlam. Pl. **3**: 828 (1834).  
*Calluna vulgaris* 15. *rubra* Kirchner in Petzold & Kirchner, Arb. Muscav. 462 (1864).
- C. vulgaris** f. *plena* (Waitz), grad. nov.  
*Erica vulgaris* e. *plena* Waitz, Besch. Gatt. Art. Heid. 92 (1805).  
*Calluna vulgaris* e. *multiplex* Sweet, Hort. Brit. 255 (1826).  
*Calluna vulgaris* var. *plena* Regel in Verh. Ver. Beförd. Gartenb. Preuss. **16**: 218 (Kult. Aufz. Erik. 58. 1843) (1842), non f. *plena* Beijerinck (1935).  
*Calluna vulgaris* var. *genuina* f. *polypetala* Beijerinck in Rec. Trav. Bot. Néerl. **34**: 458 (1937); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2, **38,4**: t. 19 (*Calluna*) (1940).
- C. vulgaris** f. *variegata* (Reg.) Beijerinck in op. cit. 453 (1937).  
*Calluna vulgaris* var. *foliis variegatis* G. Don, Gen. Hist. Dichlam. Pl. **3**: 828 (1834).  
*Calluna vulgaris* var. *β. variegata* Regel in Verh. Ver. Beförd. Gartenb. Preuss. **16**: 218 (Kult. Aufz. Erik. 58. 1843) (1842).
- C. vulgaris** f. *aurea* (Don) Beijerinck in Rec. Trav. Bot. Néerl. **34**: 454 (1937).  
*Calluna vulgaris* var. *θ. aurea* G. Don, Gen. Hist. Dichlam. Pl. **3**: 828 (1834).
- C. vulgaris** f. *cuprea* [Bean] Beijerinck in Rec. Trav. Bot. Néerl. **34**: 454 (1937).  
*Calluna vulgaris* var. *cuprea* Bean, Trees Shrubs Brit. Isl. **1**: 282 (1914).
- C. vulgaris** f. *decumbens* (Don) Beijerinck in op. cit. 449 (1937); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2, **38,4**: t. 9, 14 (*Calluna*) (1940).  
*Calluna vulgaris* γ. *decumbens* G. Don, Gen. Hist. Dichlam. Pl. **3**: 828 (1834).  
*Calluna vulgaris* 11. *prostrata* Kirchner in Petzold & Kirchner, Arb. Muscav. 463 (1864).  
*Calluna vulgaris* II. *Erikae* Ascherson in Ascherson & Graebner, Fl. Nordostdeutsch. Flachl. 547 (1899).  
*Calluna vulgaris* var. *prostrata* Kuphaldti hort. ex Beijerinck in Rec. Trav. Bot. Néerl. **34**: 449 (1937), pro syn.  
*Calluna vulgaris* f. *decumbens* subf. *pendula* Beijerinck in Rec. Trav. Bot. Néerl. **34**: 449 (1937); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2, **38,4**: t. 11, 12 (*Calluna*) (1940).
- C. vulgaris** f. *nana* (Kirchn.) Beijerinck in op. cit. 450 (1937).  
*Calluna vulgaris* 10. *nana* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 463 (1864).  
*Calluna vulgaris* var. *hypnoides* et var. *minima* et var. *pygmaea* [ex Nicholson] in Hand-list Trees Shrubs Kew, **2**: 43 (1896), nom.
- Calluna vulgaris* var. *pygmaea* Bean, Trees Shrubs Brit. Isl. **1**: 282 (1914).—Heydenreich in Gartenschönh. **21**: 45, fig. (1940).  
*Calluna vulgaris* var. *hypnoides* Bean, l. c. (1914).  
*Calluna vulgaris* var. *minima* Bean, l. c. (1914).  
*Calluna vulgaris* f. *nana* subf. *minima* Beijerinck in Rec. Trav. Bot. Néerl. **34**: 450 (1937).
- C. vulgaris** f. *Foxii* (Bean), grad. nov.  
*Calluna vulgaris* var. *Foxii* Bean, Trees Shrubs Brit. Isl. **1**: 282 (1914).  
*Calluna vulgaris* f. *nana* subf. *compacta* (Hort.) Beijerinck in Rec. Trav. Bot. Néerl. **34**: 450 (1937); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2, **38,4**: t. 9 (*Calluna*) (1940).  
*Calluna vulgaris* var. *Foxii nana* hort. ex Beijerinck, l. c. (1937), pro syn.
- C. vulgaris** var. *hirsuta* (Waitz) S. F. Gray, Nat. Arr. Brit. Pl. **2**: 399 (1821).—Beijerinck in Rec. Trav. Bot. Néerl. **34**: 46 (1940); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2, **38,4**: t. 21 (*Calluna*) (1940).  
*Erica ciliaris* sensu Hudson, Fl. Angl. 144 (1762), p. p. exclud. descr.; non Linnaeus (1753).  
*Erica vulgaris* β. *hirsuta* Waitz, Besch. Gatt. Art. Heid. 91 (1805).  
*Calluna vulgaris* var. *δ. tomentosa* G. Don, Gen. Hist. Dichlam. Pl. **3**: 828 (1834).  
*Calluna vulgaris* β. *pubescens* Koch, Syn. Fl. Germ. Helv. 476 (1837).—L. M. Neuman, Sverig. Fl. 211 (1901) "f."  
*Calluna vulgaris* β. *ciliaris* Döll, Rhein. Fl. 427 (1843).  
*Calluna vulgaris* var. *incana* Reichenbach, Icon. Fl. Germ. **17**: 71, t. 662, fig. III (1855).  
? *Calluna vulgaris* b. *pubens* Rabenhorst, Fl. Sachs. 194 (1859).  
*Calluna ciliaris* Schur herb. ex Schur, Enum. Pl. Transsilv. 447 (1866), pro syn.  
*Calluna Beleziae* Rouy in Bull. Soc. Bot. France, **38**: 263 (1891).  
*Calluna Beleziana* Rouy in op. cit. **40**: 500 (1895).  
*Calluna Erica* β. *hirsuta* Rouy in Rouy & Foucaud, Fl. France, **10**: 105 (1900).  
*Calluna vulgaris* var. *hirsuta* f. *typica* Beijerinck in Rec. Trav. Bot. Néerl. **34**: 461 (1937).
- C. vulgaris** f. *Bealeae* Beijerinck in op. cit. 462 (1937); in Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. 2, **38,4**: t. 18 (*Calluna*) (1940) "var. *hirsuta* f. *B.*"
- C. vulgaris** f. *atrorubens* (Loud.), grad. nov.  
*Calluna vulgaris* var. 11. *atro-rubens* Loudon, Arb. Brit. **2**: 1084 (1838).  
*Calluna vulgaris* 3. *Alportii* Hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. 463 (1864).—Beijerinck, Rec. Trav. Bot. Néerl. **34**: 462 (1937) "var. *hirsuta* f. *Alporti* hort."
- C. vulgaris** f. *serotina* (Loud.), grad. nov.  
*Calluna vulgaris* var. *serotina* Loudon, Arb. Brit. **2**: 1084 (1838).  
*Calluna vulgaris* var. *hirsuta* f. *albiflora* Beijerinck in Rec. Trav. Bot. Néerl. **34**: 462 (1937).  
*Calluna vulgaris* f. *albiflora* subf. (*serotina*) Beijerinck, l. c. (1937).  
*Calluna vulgaris* *alba pilosa* hort. ex Beijerinck, l. c. (1937), pro syn.
- ERICA** Linnaeus, Sp. Pl. 352 (1753), exclud. sp. 1; Gen. Pl. ed. 5, 167, no. 435 (1754).—Bentham & Hooker f., Gen. Pl. **2**: 590 (1876).



**Erica** (continued)

- Tetralix* Zinn, Cat. Pl. Gotting. 202 (1757).—E. H. F. Meyer, Preuss. Pflanzengatt. 100 (1839).—Non Grisebach (1866), NOM. CONSERV. cf. Kew Bull. 1935: 511; 1940: 115.
- Gypsocallis* Salisbury ex S. F. Gray, Nat. Arr. Brit. Pl. 2: 398 (1821).
- Eremocallis* Salisbury ex S. F. Gray, l. c. (1821).
- Ericodes* Kuntze, Rev. Gen. Pl. 2: 389 (1891).
- Syn. gen. multa alia vide Dalla Torre & Harms, Gen. Siphonog. 383–384 (1903).
- LECTOTYPUS: *E. Tetralix* L.
- E. Tetralix** Linnaeus, Sp. Pl. 353 (1753).—Rouy in Rouy & Foucaud, Fl. France, 10: 108 (1908).
- Erica botuliformis* Salisbury in Trans. Linn. Soc. Lond. 6: 369 (1802).
- Erica Tetralix* a. *rubescens* Aiton, Hort. Kew. 2: 18 (1789).
- Tetralix septentrionalis* E. H. F. Meyer, Preuss. Pflanzen-gatt. 100 (1839).
- Erica Tetralix* a. *vulgaris* Regel in Verh. Ver. Beförd. Gartenb. 16: 310 (Kult. Aufz. Erik. 150. 1843) (1842).
- Erica Tetralix* subsp. *E. eu-Tetralix* Syme, Engl. Bot. 6: 37, t. 889 (1866).
- Ericodes Tetralix* Kuntze, Rev. Gen. Pl. 2: 967 (1891).
- E. Tetralix** f. *alba* (Ait.) Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5,3: 1709 [1926].
- Erica Tetralix* β. *alba* Aiton, Hort. Kew. 2: 18 (1789).
- E. Tetralix** f. *rubra* [Sincl.] Braun-Blanquet, l. c. [1926].
- Erica Tetralix rubra* [Sinclair], Hort. Eric. Woburn. 25 (1825).—G. Don, Gen. Hist. Dichlam. Pl. 3: 792 (1834), pro syn.
- E. Tetralix** var. *Martinesii* Benth. in De Candolle, Prodr. 7,2: 665 (1839) “β.”
- Erica Martinesii* Lag. ex Benth. in De Candolle, l. c. (1839), pro syn.
- Erica Tetralix* γ. *canescens* Regel in Verh. Ver. Beförd. Gartenb. Preuss. 16: 310 (Kult. Aufz. Erik. 150. 1843) (1842).
- Erica Tetralix* f. *tomentosa* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 401 (1903), nom.
- E. Tetralix** f. *mollis* (Bean), grad. nov.
- Erica Tetralix* var. *mollis* Hort. ex Bean, Trees Shrubs Brit. Isl. 1: 524 (1914).
- E. Mackaii** (*E. ciliaris* × *Tetralix*) Hooker in Comp. Bot. Mag. 1: 159 (1835).—Schneider, Ill. Handb. Laubh. 2: 566 (1911) “*Mackayi*.”
- Erica Mackaiana* Babington in Mackay, Fl. Hibern. 181 (1836).—Uphof in Ber. Deutsch. Bot. Ges. 57: 176, fig. 1 (1939) “*Mackayana*”.
- Erica Tetralix* f. *Mackayi* Zabel in Beissner et al., Handb. Laubh.-Ben. 401 (1903).
- Ericodes Mackeyi* Kuntze, Rev. Gen. Pl. 2: 967 (1891).
- E. Mackaii** f. *plena* (Rehd.), grad. nov.
- Erica Mackayi* var. *flor. pleno* Bean, Trees Shrubs Brit. Isl. 1: 522 (1914).
- Erica Mackaii* var. *plena* Rehder, Man. Cult. Trees Shrubs, 721 (1927).
- Erica Crawfordii* hort. ex Rehder, l. c. (1927), pro syn.
- E. Mackaii** var. *Watsoni* (Benth.) Rehder in Jour. Arnold Arb. 5: 56 (1924) “*Watsonii*”.
- Erica ciliaris* \* *Watsoni* Benth. in De Candolle, Prodr. 7,2: 665 (1839).—K. Koch, Hort. Dendr. 329 (1853) “β. W.”
- Erica Tetralix* β. *Watsoni* Babington, Man. Brit. Fl. ed. 4, 214 (1856).
- Erica Tetralici-ciliaris* Syme, Engl. Bot. 6: 39, t. 888 (1866).
- Erica Watsoni* × Benth. ex B. D. Jackson in Ind. Kew. 2: 872 [1893].—Macfarlane in Trans. Roy. Soc. Edinb. 38: 237 (1895).
- E. Williamsii** (*E. Tetralix* × *vagans*) Druce in Gard. Chron. ser. 3, 50: 388 (1911).
- E. ciliaris** Linnaeus, Sp. Pl. 354 (1753).—Curtis in Bot. Mag. 13: t. 484 (1799).—Rouy in Rouy & Foucaud, Fl. France, 10: 108 (1908).
- Ericodes ciliare* Kuntze, Rev. Gen. Pl. 2: 966 (1891).
- E. ciliaris** var. *Maweana* (Backh.) Bean, Trees Shrubs Brit. Isl. 1: 520 (1914).
- Erica ciliaris* sensu N. E. Brown in Bot. Mag. 138: t. 8443 (1912), non Linnaeus (1753).
- Erica Maweana* Backhouse in Florist & Pomol. 1882: 75 (1882).
- E. cinerea** Linnaeus, Sp. Pl. 352 (1753).—Rouy & Foucaud, Fl. France, 10: 109 (1908).
- Erica viridi-purpurea* Gouan, Hort. Reg. Monspel. 195 (1762), non Linnaeus (1753).
- Erica mutabilis* Salisbury in Trans. Linn. Soc. Lond. 6: 331 (1802).
- Erica cinerea rubra* [Sinclair], Hort. Eric. Woburn. 5 (1825).
- Ericodes cinereum* Kuntze, Rev. Gen. Pl. 2: 966 (1891).
- E. cinerea** f. *atrorubens* (Sincl.), grad. nov.
- Erica cinerea atrorubens* [Sinclair], Hort. Eric. Woburn. 5 (1825).
- Erica cinerea atropurpurea* Loddiges, Bot. Cab. 15: t. 1409 (1828).—Rehder, Man. Cult. Trees Shrubs, 721 (1927) “var.”.
- E. cinerea** f. *alba* [Sincl.] Zabel in Beissner et al., Handb. Laubh.-Ben. 401 (1903).
- Erica cinerea alba* [Sinclair], Hort. Eric. Woburn. 5 (1825).—G. Don, Gen. Hist. Dichlam. Pl. 3: 795 (1834) “γ. a”.
- Erica cinerea* var. *albiflora* Lange in Vidensk. Meddel. Naturh. For. Kjøbenh. ser. 2, 5: 57 (1864).
- E. cinerea** f. *pallida* (Lodd.), grad. nov.
- Erica cinerea pallida* Loddiges, Bot. Cab. 16: t. 1505 (1829).
- E. cinerea** f. *fulgida* (Reg.), grad. nov.
- Erica cinerea* β. *fulgida* Regel in Verh. Ver. Beförd. Gartenb. Preuss. 16: 311 (Kult. Aufz. Erik. 151. 1843) (1842).
- Erica cinerea* var. *coccinea* Bean, Trees Shrubs Brit. Isl. 1: 521 (1914).
- E. terminalis** Salisbury, Prodr. Stirp. Chap. Allert. 296 (1796).—Skan in Bot. Mag. 132: t. 8063 (1906).
- Erica stricta* Donn, Hort. Cantab. 45 (1796), nom.—Willdenow, Sp. Pl. 2: 366 (1799).—Andrews, Heathery Monog. Erica, 1: t. 92 (1805).
- Erica pendula* Wendland, Bot. Beobacht. 48 (1798); Eric. Icon. 1,10: 13 t. [60] (1800), patria excepta.
- Erica multicaulis* Salisbury in Trans. Linn. Soc. Lond. 6: 369 (1802).—Schneider, Ill. Handb. Laubh. 2: 566, fig. 3690 (1911).
- Erica ramulosa* Viviani in Ann. di Bot. (Viviani) 1,2: 169 (1804); Fl. Ital. Fragm. 4, t. 7 (1808).

- Erica corsica* De Candolle in Lamarck & De Candolle, Fl. Franç., ed. 3, 3: 677 (1805).  
*Ericodes pendulum* Kuntze, Rev. Gen. Pl. 2: 965 (1891).
- E. arborea** Linnaeus, Sp. Pl. 353 (1753).—Rouy in Rouy & Foucaud, Fl. France, 10: 110 (1908).  
*Erica acrophya* Fresenius in Flora, 21,2: 604 (1838).  
*Ericodes arboreum* Kuntze, Rev. Gen. Pl. 2: 966 (1891).
- E. arborea** var. *alpina* [Dieck, Moor- & Alpenpfl. Zöschén, 24 (1899), nom.—] Bean in Kew. Bull. 1910: 395 (1910).  
*Erica alpina* Osborn in Garden, 75: 384, fig. (1911).
- E. Veitchii** (*E. arborea* × *lusitanica*) Bean in Gard. Chron. ser. 3, 37: 138, 228, fig. 97–100 (1905).
- E. scoparia** Linnaeus, Sp. Pl. 353 (1753).—Rouy in Rouy & Foucaud, Fl. France, 10: 108 (1908).  
*Ericodes scoparium* a. normale Kuntze, Rev. Gen. Pl. 2: 390 (1891).  
*Ericodes scoparium* Kuntze, op. cit. 987 (1891).
- E. scoparia** f. *minima* [Sinclair], grad. nov.  
*Erica scoparia minima* [Sinclair], Hort. Eric. Woburn. 22 (1825).—G. Don, Gen. Hist. Dichlam. Pl. 3: 798 (1834) “β.”  
*Erica scoparia nana* Hort. ex Dippel, Handb. Laubh. 1: 379 (1889).—Zabel in Beissner et al., Handb. Laubh.-Ben. 402 (1903) “f.”—Bean, Trees Shrubs Brit. Isl. 1: 523 (1914) “var.”, pro syn.  
*Erica scoparia* var. *pumila* Bean, l. c. (1914), pro syn.
- E. vagans** Linnaeus, Diss. Bot. Erica, 10 (resp. J. A. Dahlgren) (1770); Mant. Pl. 2: 230 (1771); Amoen. Acad. 8: 56 (1785).—Dippel, Handb. Laubh. 1: 378 (1889).  
*Erica multiflora* sensu Hudson, Fl. Angl. 145 (1762), non Linnaeus (1753).  
*Erica didyma* Stokes ex Withering, Bot. Arr. Veg. Gt. Brit., ed. 2, 400 (1787).  
*Erica vaga* Salisbury, Prodr. Stirp. Chap. Allert. 294 (1796).  
*Erica decipiens* Saint-Amans, Fl. Agen. 159 (1821).  
*Gypsocallis vagans* S. F. Gray, Nat. Arr. Brit. Pl. 2: 398 (1821).  
*Ericodes vagans* Kuntze, Rev. Gen. Pl. 2: 968 (1891).  
*Calluna vagans* K. Foerster in Gartenschönh. 5: 213, fig. (1924).
- E. vagans** f. *grandiflora* (Bean), grad. nov.  
*Erica vagans grandiflora* [Hort.] ex Dippel, Handb. Laubh. 1: 378 (1889), nom.—Bean, Trees Shrubs Brit. Isl. 1: 524 (1914) “var.”
- E. vagans** f. *rubra* [Dipp.] Zabel in Beissner et al., Handb. Laubh.-Ben. 401 (1903).  
*Erica vagans rubra* Hort. ex Dippel, Handb. Laubh. 1: 378 (1889).—Bean, Trees Shrubs Brit. Isl. 1: 524 (1914) “var.”
- E. vagans** f. *alba* [Sinclair] Zabel in Beissner et al., Handb. Laubh.-Ben. 401 (1903).  
*Erica vagans alba* [Sinclair], Hort. Eric. Woburn. 26 (1825).—Sweet, Hort. Brit. 263 (1827) “β.”  
*Gypsocallis vagans* β. *alba* G. Don, Gen. Hist. Dichlam. Pl. 3: 801 (1834).
- E. verticillata** Forskål, Fl. Aegypt-Arab. xxv, 210 (1775).—Boissier, Fl. Or. 3: 970 (1875).  
*Erica manipuliflora* Salisbury in Trans. Linn. Soc. Lond. 6: 344 (1802).—Sibthorp & Smith, Fl. Graec. 4: 46, t. 352 (1823).
- Erica Cretica* Tausch in Flora, 17,2: 604 (1834).  
*Erica vagans* sensu Koch, Syn. Fl. Germ. Helv. ed. 2, 2: 548 (1844), non Linnaeus (1770).
- E. multiflora** Linnaeus, Sp. Pl. 353 (1753).—Rouy in Rouy & Foucaud, Fl. France, 10: 112 (1908).  
*Erica dianthera* Moench, Meth. Pl. 50 (1794).  
*Erica umbellifera* Loiseleur, Notice Pl. Ajout. Fl. France, 63 (1810); Fl. Gall. ed. 2, 1: 276 (1828).  
*Erica vagans* sensu De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 679 (1805), non Linnaeus (1770).  
*Erica peduncularis* sensu Presl, Delic. Prag. t. 89 (1822), non Salisbury (1802).  
*Gypsocallis multiflora* D. Don in Edinb. New Philos. Jour. 17: 153 (1834).  
*Ericodes multiflora* Kuntze, Rev. Gen. Pl. 2: 967 (1891).
- E. carnea** Linnaeus, Sp. Pl. 355 (1753).—Rouy in Rouy & Foucaud, Fl. France, 10: 113 (1908).  
*Erica herbacea* Linnaeus, Sp. Pl. 352 (1753), pl. autumnalis.  
*Erica saxatilis* Salisbury, Prodr. Stirp. Chap. Allert. 295 (1796).  
*Gypsocallis carnea* D. Don in Edinb. New Philos. Jour. 17: 153 (1834).  
*Ericodes herbaceum* Kuntze, Rev. Gen. Pl. 2: 963 (1891).
- E. carnea** f. *purpurascens* (Regel), grad. nov.  
*Erica carnea* a. *purpurascens* Regel in Verh. Ver. Beförd. Gartenb. Preuss. 16: 220 (Kult. Aufz. Erik. 60. 1843) (1842), non *E. p.* Linnaeus (1762).
- E. carnea** f. *alba* [Dipp.] Schelle in Mitt. Deutsch. Dendr. Ges. 1915(24): 185 [1916].  
*Erica carnea alba* hort. ex Dippel, Handb. Laubh. 1: 377 (1889).—Bean, Trees Shrubs Brit. Isl. 1: 519 (1914) “var.”
- E. darleyensis** (*E. carnea* × *mediterranea*) Bean, Trees Shrubs Brit. Isl. 1: 521 (1914).—Stokes in Jour. Hort. Soc. Lond. 66: 194, fig. 66 (1941).  
*Erica mediterranea hybrida* Bean in Gard. Chron. ser. 3, 24: 454 (1898).  
*Erica hybrida* Hort. ex Bean, Trees Shrubs Brit. Isl. 1: 521 (1914), pro syn.; non Benthams (1839).  
*Erica carnea hybrida* Hempelmann in Möller's Deutsch. Gärt.-Zeit. 41: 82, fig. (1926).
- E. mediterranea** Linnaeus, Diss. (resp. J. A. Dahlgren) Bot. Erica, 10 (1770); Amoen. Acad. 8: 56 (1785); Mant. Pl. 2: 229 (1771).  
*Erica pallido-purpurea* Linnaeus, Sp. Pl. 354 (1753).  
*Erica purpurascens* Linnaeus, Sp. Pl. ed. 2, 1: 503 (1762).—Tausch in Flora, 22,1: 79 (1839).  
*Erica lugubris* Salisbury, Prodr. Stirp. Chap. Allert. 295 (1796).  
*Gypsocallis mediterranea* D. Don in Edinb. New Philos. Jour. 17: 153 (1834).  
*Erica carnea* β. *occidentalis* Benthams in De Candolle, Prodr. 7,2: 614 (1839).—Zabel in Beissner et al., Handb. Laubh.-Ben. 400 (1903) “f.”  
*Ericodes herbaceum* β. *pallidopurpureum* Kuntze, Rev. Gen. Pl. 2: 963 (1891), nom. event.  
*Ericodes pallidopurpureum* (L.) Kuntze, l. c. (1891), nom. event.
- E. mediterranea** f. *alba* (Bean), grad. nov.  
*Erica carnea* f. *occidentalis alba* hort. ex Zabel, l. c. (1903), nom.  
*Erica mediterranea* var. *alba* Bean, Trees Shrubs Brit. Isl. 1: 522 (1914).

**Erica** (*continued*)

**E. mediterranea** var. **hibernica** D. Moore in Phytologist, **4**: 597 (1852).—Hooker & Arnott, Brit. Fl. ed. 8, 272 (1860) "β."

*Erica hibernica* Syme, Engl. Bot. **6**: t. 892 (1866).

*Erica carnea* f. *occidentalis glauca* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 400 (1903), nom.

**BRUCKENTHALIA** Reichenbach, Fl. Germ. Excurs. 413 [1831].—Bentham & Hooker f., Gen. Pl. **2**: 591 (1876).

TYPE: *Erica spiculifolia* Salisb. = *B. spiculifolia* Reichb.

**B. spiculifolia** (Salisb.) Reichenbach, Fl. Germ. Excurs. 414 [1831].—Reichenbach f., Icon. Fl. Germ. **17**: 72, t. 1162, fig. 1–6 (1855) "*spiculiflora*".

*Erica spiculifolia* Salisbury in Trans. Linn. Soc. Lond. **6**: 324 (1802).

*Menziesia Bruckenthalii* Baumgarten, Enum. Stirp. Transsilv. **1**: 333 (1816).

*Erica Bruckenthalii* Sprengel, Neue Entdeck. Pflanzenk. **1**: 271 (1820).

Subfam. II. VACCINIOIDEAE Niedenzu in Bot. Jahrb. **11**: 193 (1889).—Drude in Nat. Pflanzenfam. IV. **1**: 32 (1889, after Aug.)

*Myrtilleae* Batsch, Tab. Affin. Reg. Veg. 215 (1802), nom. subnud.

*Vaccinieae* Duby in De Candolle, Bot. Gall. ed. 2, 315 [1828].—A. Richard, Elém. Hist. Nat. Méd. **2**: 175 (1831) "fam. *Vaccinia*".—Dunal in De Candolle, Prodr. **7**, 2: 552 (1839).

*Ericaceae* trib. *Vaccinieae* D. Don in Edinb. New Philos. Jour. **17**: 152 (1834).—Gray, Bot. Text-book, 304 (1842) "subord."

*Vacciniaceae* Horaninov, Prim. Lin. Syst. Nat. 66 (1834).—Lindley, Nat. Syst. Bot. ed. 2, 221 (1836).

*Siphonandraceae* trib. *Vaccinieae* Klotzsch in Linnaea, **24**: 18 (1851).

*Ericaceae* 1. *Vaccininae* Drude in A. Schenk, Handb. Bot. **3**, 2: 378 (1887).

**CHIOGENES** Salisbury in Trans. Hort. Soc. Lond. **2**: 94 (1817).—Bentham & Hooker f., Gen. Pl. **2**: 577 (1876).

*Vaccinium* Linnaeus, Sp. Pl. 349 (1753), p. p. quoad sp. no. 12.

*Glycyphylla* Rafinesque in Am. Monthly Mag. **4**: 192 (1818).

*Oxycoca* subgen. *Glycyphylla* Rafinesque, Med. Fl. **2**: 49 (1830).

*Pollomia* Rafinesque 1820 ex Rafinesque, l. c. (1830), pro syn.

*Phalerocarpus* G. Don, Gen. Hist. Dichlam. Pl. **3**: 841 (1834).

*Lasierpa* Torrey in Ann. Rep. Geol. Survey New York, **1839**: 152 (1840).

TYPE: *Vaccinium hispidulum* L. = *C. hispidula* (L.) Torr.

**C. hispidula** (L.) Torrey & Gray ined. ex Torrey, Fl. N. York, **1**: 450 t. 68 (1843).—Gray, Syn. Fl. N. Am. **2**, 1: 26 (1873).—Britton & Brown, Ill. Fl. N. U. S. **2**: 704, fig. 3274 (1913).

*Vaccinium hispidulum* Linnaeus, Sp. Pl. 352 (1753), exclud. syn.—Michaux, Fl. Bor.-Am. **1**: 228, t. 23 (1803).

*Arbutus filiformis* Lamarck, Encycl. Méth. Bot. **1**: 228 (1783).

*Arbutus thymifolia* Aiton, Hort. Kew. **2**: 72 (1789).

*Oxycoccus hispidulus* Persoon, Syn. Pl. **1**: 419 (1805).

*Gaultheria serpyllifolia* Pursh, Fl. Am. Sept. **1**: 283, t. 13 (1814).

*Chiogenes serpyllifolia* Salisbury in Trans. Hort. Soc. Lond. **2**: 94 (1817).

*Gaultheria hispidula* Muhlenberg, Cat. Pl. Am. Sept. 44 (1818), nom.—Eaton, Man. Bot. N. Am. ed. 2, 255 (1818).—Hooker, Fl. Bor.-Am. **2**: 36 [1834].

*Schollera hispidula* L. ex Steudel, Nomencl. Bot. 746 (1821).

*Oxycoca hispidula* Rafinesque, Med. Fl. **2**: 49 (1830).

*Phalerocarpus serpyllifolius* G. Don, Gen. Hist. Dichlam. Pl. **3**: 841 (1834).

*Lasierpa hispidula* Torrey in Ann. Rep. Geol. Survey New York, **1839**: 152 (1840).

*Glycyphylla hispidula* Rafinesque ex B. D. Jackson in Index Kew. **1**: 1039 [1893], pro syn.

**GAYLUSSACIA** Humboldt, Bonpland, Kunth, Nov. Gen.

Sp. **3**: 275 (fol. ed. 216), t. 257 (1818).—Bentham & Hooker f., Gen. Pl. **2**: 572 (1876).—NOM. CONSERV. cf. Régl. Intern. Nomencl. Bot. 88, no. 6215 (1906).

*Vaccinium* Linnaeus, Sp. Pl. 349 (1753), p. p. quoad sp. 7. *Adnaria* Kuntze, Rev. Gen. Pl. **2**: 382 (1891), non Rafinesque (1817).

*Lussacia* Sprengel, Syst. Veg. **2**: 275, 294 (1825).

*Decachaena* Torrey & Gray in Am. Jour. Sci. **42**: 43 (1841).

*Decamerium* Nuttall in Trans. Am. Philos. Soc. n. ser., **8**: 259 (1843).

*Lasiococcus* Small, Man. Southeast. Fl. 1008, 1506 (1933).

*Buxella* Small, op. cit. 1009, 1506 (1933).

TYPE: *G. buxifolia* Humb. Bonpl. Kunth.

**G. brachycera** (Michx.) Gray, Man. Bot. N. U. S. 259 (1848); Syn. Fl. N. Am. **2**, 1: 19 (1878).

*Vaccinium brachycerum* Michaux, Fl. Bor.-Am. **1**: 234 (1803).

*Vaccinium buxifolium* Salisbury, Parad. Londin. t. 4 [1805].

*Adnaria brachycera* Kuntze, Rev. Gen. Pl. **2**: 383 (1891).

*Decamerium brachycerum* Ashe in Rhodora, **33**: 197 (1931).

*Buxella brachycera* Small, Man. Southeast. Fl. 1009, fig. 1506 (1933).

**G. dumosa** (Andrews) Torrey & Gray ex Gray, Man. Bot. N. U. S. 259 (1848); Gray, Syn. Fl. N. Am. **2**, 1: 19 (1878).

*Vaccinium dumosum* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 53 (1783), nom.—Andrews, Bot. Repos. **3**: t. 112 (1799).

*Vaccinium frondosum* sensu Michaux, Fl. Bor.-Am. **1**: 234 (1803), non Linnaeus (1753).

*Adnaria dumosa* Kuntze, Rev. Gen. Pl. **2**: 382 (1891).

**G. dumosa** var. **Bigeloviana** Fernald in Rhodora, **13**: 99 (1911).

*Vaccinium hirtellum* sensu Bigelow, Fl. Boston. ed. 2, 152 (1824), non Aiton (1789).

*Gaylussacia hirtella* sensu Torrey, Fl. New York, **1**: 448 (1843), non Klotzsch (1840).

**G. ursina** (M. A. Curtis) Torrey & Gray ex Gray in Mem. Am. Acad. Arts Sci. n. ser., **3**: 49, t. 10 (Chloris Bor.-Am. 1846) [1846]; Gray, Syn. Fl. N. Am. **2**, 1: 20 (1878).

*Vaccinium ursinum* M. A. Curtis in Am. Jour. Sci. **44**: 82 (1843).

*Adnaria ursina* Kuntze, Rev. Gen. Pl. **2**: 383 (1891).

- G. frondosa** (L.) Torrey & Gray ex Torrey, Fl. N. York, 1: 449 (1843). — Gray, Syn. Fl. N. Am. 2,1: 19 (1878).  
*Vaccinium frondosum* Linnaeus, Sp. Pl. 351 (1753).  
*Vaccinium venustum* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 54 (1783), nom. — Aiton, Hort. Kew. 2: 11 (1789).  
*Vaccinium glaucum* W. Young, Cat. Arb. Arbust. Am. 25 (1783), nom. — Michaux, Fl. Bor.-Am. 1: 234 (1803).  
*Vaccinium decamerocarpum* Dunal in De Candolle, Prodr. 7,2: 566 (1839), exclud. syn. Wangenheim.  
*Decamerium frondosum* Nuttall in Trans. Am. Philos. Soc. n. ser., 8: 260 (1843).  
*Adnaria frondosa* Kuntze, Rev. Gen. Pl. 2: 382 (1891).
- G. baccata** (Wangenh.) K. Koch, Dendr. 2: 93 (1872). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 696, fig. 3253 (1913).  
*Andromeda baccata* Wangenheim, Beytr. Deutsch. Holzger. Forstw. Nordam. Holzart. 111, t. 30, fig. 69 (1787).  
*Vaccinium resinolum* Aiton, Hort. Kew. 2: 12 (1789).  
*Vaccinium parviflorum* Andrews, Bot. Repos. 2: t. 125 (1800).  
*Decamerium resinolum* Nuttall in Trans. Am. Philos. Soc. n. ser., 8: 260 (1843).  
*Gaylussacia resinosa* Torrey & Gray ex Torrey, Fl. N. York, 1: 449 (1843).  
*Adnaria resinosa* Kuntze, Rev. Gen. Pl. 2: 383 (1891).
- G. baccata f. glaucocarpa** (Robins.) Mackenzie in Torrey, 7: 60 (1907).  
*Gaylussacia resinosa* var. *glaucocarpa* Robinson in Rhodora, 2: 81 (1900).
- G. baccata f. leucocarpa** (Porter) Fernald in Rhodora, 10: 53 (1908).  
*Gaylussacia resinosa* var. *leucocarpa* Porter in Bull. Torrey Bot. Club, 16: 21 (1889). — Britton in Bull. Torrey Bot. Club, 17: 125 (1890) "f."
- VACCINIUM** Linnaeus, Sp. Pl. 349 (1753) exclud. spec. nonnull; Gen. Pl. ed. 5, 166, no. 434 (1754). — Bentham & Hooker f., Gen. Pl. 2: 573 (1876).  
*Myrtillus* Bubani, Fl. Pyren. 2: 16 (1900).  
 LECTOTYPUS: *V. Myrtillus* L.
- Subgen. i. **BATODENDRON** (Nutt.) Klotzsch in Linnaea, 24: 54, 55 (1851). — Drude in Nat. Pflanzenfam. IV. 1: 51 (1889), exclud. *V. stamineum* L.  
*Batodendron* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 261 (1843).  
*Vaccinium* §. 1. *Batodendron* Gray in Mem. Am. Acad. Arts. Sci. n. ser., 3: 53 (Chloris Bor.-Am. 1846) [1848], exclud. *V. stamineum* L. — Sleumer in Bot. Jahrb. 71: 415 (1941) "sect."
- V. arboreum** Marshall, Arbust. Am. 157 (1785). — Gray, Syn. Fl. N. Am. 2,1: 20 (1878). — Sargent, Silva N. Am. 5: 119, t. 230 (1893).  
*Vaccinium mucronatum* sensu Walter, Fl. Carol. 139 (1788), non Linnaeus (1753).  
*Vaccinium diffusum* Aiton, Hort. Kew. 2: 11 (1789).  
*Arbutus obtusifolius* Rafinesque, Fl. Ludovic. 55 (1817). — Camp in Castanea, 6: 82 (1941), pro syn.  
*Batodendron arboreum* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 261 (1843).  
*Batodendron andrachneforme* Small, Fl. Southeast. U. S. 893, 1336 (1903).
- B. arboreum** var. *glaucescens* (Greene) Sargent in Jour. Arnold Arb. 2: 167 (1921).
- Batodendron glaucescens* Greene in Pittonia, 3: 326 (1898).
- Subgen. ii. **POLYCODIUM** (Raf.) Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 13: 113 (1936).  
*Polycodium* Rafinesque in Am. Monthly Mag. 2: 266 (1818).  
*Picrococcus* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 262 (1843).  
*Vaccinium* sect. *Polycodium* Rehder, Man. Cult. Trees Shrubs, 725 (1927).
- V. stamineum** Linnaeus, Sp. Pl. 350 (1753). — Gray, Syn. Fl. N. Am. 2,1: 21 (1878).  
*Vaccinium album* sensu Pursh, Fl. Am. Sept. 1: 28 (1814), non Linnaeus (1753).  
*Vaccinium elevatum* Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 54 (1783), nom. — Banks & Solander ex Wikström in Svenska Vetensk.-akad. Handl. 1823: 281 (1823). — Dunal in De Candolle, Prodr. 7,2: 567 (1839), exclud. "β."  
*Picrococcus stamineus* Nuttall in Trans. Am. Philos. Soc. ser. 2, 8: 261 (1843).  
*Picrococcus elevatus* Nuttall, l. c. (1843).  
*Picrococcus floridanus* Nuttall, l. c. (1843).  
*Polycodium stamineum* Greene in Pittonia, 3: 324 (1898). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 697, fig. 3257 (1913).  
*Polycodium floridanum* Greene in op. cit. 325 (1898).  
*Polycodium candicans* Small, Fl. Southeast. U. S. 894, 1336 (1903).  
*Vaccinium candicans* Mohr ex [Bean], Kew Hand-list Trees Shrubs, ed. 4, 343 (1934). — Sleumer in Bot. Jahrb. 71: 426 (1941).
- V. neglectum** (Small) Fernald in Rhodora, 10: 53 (1908).  
*Polycodium neglectum* Small, Fl. Southeast. U. S. 893, 1336 (1903).
- V. melanocarpum** (Mohr) Mohr in Bull. Torrey Bot. Club, 24: 570 (1897).  
*Vaccinium stamineum* var. *melanocarpum* Mohr in Bull. Torrey Bot. Club, 24: 25 (1897).  
*Polycodium melanocarpum* Small, Fl. Southeast. U. S. 894, 1336 (1903).
- Subgen. iii. **CYANOCOCCUS** (Gray) Klotzsch in Linnaea, 24: 54 (1851). — Drude in Nat. Pflanzenfam. IV. 1: 51 (1889).  
*Vaccinium* §. 2. *Cyanococcus* Gray in Mem. Am. Acad. Arts. Sci. n. ser., 3: 53 (Chloris Bor.-Am. 1846) [1848]. — Sleumer in Bot. Jahrb. 71: 415 (1941).  
*Cyanococcus* Rydberg, Fl. Rocky Mts. 645 (1917).  
*Vaccinium* sect. *Cyanococcus* subsect. *Phyllopodae* Nakai, Fl. Sylv. Kor. 8: 56 (1919).  
*Vaccinium* sect. *Erythrococcus* Nakai, op. cit. 57 (1919).  
*Vaccinium* sect. *Ciliata* et sect. *Praestantia* Nakai, Trees Shrubs Jap. rev. ed., 1: 241, 265 (1927). — Sleumer in Bot. Jahrb. 71: 414, 422 (1941).
- V. Oldhami** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 161 (Prol. Fl. Jap. 93) (1865). — Nakai, Trees Shrubs Jap. rev. ed., 1: 236, fig. 111 (1927).  
*Vaccinium ciliatum* sensu G. Don, Gen. Hist. Dichlam. Pl. 3: 854 (1834), non Thunberg (1784), nec Gilibert (1792).  
*Vaccinium Buergeri* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 29 (1863), p. p.
- V. hirsutum** Buckley in Am. Jour. Sci. 45: 175 (1843). — Gray, Syn. Fl. N. Am. 2,1: 23 (1878).

**Vaccinium hirsutum** (continued)

- Cyanococcus hirsutus* Small, Man. Southeast. Fl. 1016, 1507 (1933).
- V. virgatum** Aiton, Hort. Kew. 2: 12 (1789). — Gray, Syn. Fl. N. Am. 2, 1: 21 (1878).  
*Vaccinium amoenum* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 34 [1782?] "*amaenum*"; nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 53 (1783), nom. subnud.  
*Vaccinium virgatum* Loddiges ex C. F. Ludwig, l. c. (1783), nom. subnud.  
*Vaccinium ligustrinum* sensu Pursh, Fl. Am. Sept. 1: 288 (1814), non Linnaeus (1753), nec Willdenow (1799).  
*Vaccinium fuscatum* sensu Ker in Bot. Reg. 4: t. 302 (1818), non Aiton (1789).  
*Cyanococcus virgatus* Small, Man. Southeast. Fl. 1014, 1506 (1933).
- V. virgatum** var. **tenellum** (Ait.) Gray, Syn. Fl. N. Am. 2, 1: 22 (1878).  
*Vaccinium tenellum* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 34 [1782?], nom. subnud. — C. F. Ludwig, Neu. Wilde Baumz. 53 (1783), nom. subnud. — Aiton, Hort. Kew. 2: 12 (1789).  
*Vaccinium galezans* Michaux, Fl. Bor.-Am. 1: 232 (1803).  
*Vaccinium galiformis* Smith in Rees, Cycl. 36: V. no. 16 [1817].  
*Vaccinium galeiformis* Smith ex K. Koch, Dendr. 2, 1: 99 (1872), sphalm.; pro syn.  
*Cyanococcus tenellus* Small, Man. Southeast. Fl. 1014, 1506 (1933).
- V. atrococcum** (Gray) Heller in Bull. Torrey Bot. Club, 21: 24 (1894).  
*Vaccinium fuscatum* sensu Gray, Man. Bot. N. U. S. 262 (1848), non Aiton (1789).  
*Vaccinium corymbosum* var. *atrococcum* Gray, op. cit. ed. 5, 292 (1867); Syn. Fl. N. Am. 2, 1: 23 (1878).  
*Vaccinium discarpum* Bigelow ex Gray, Syn. Fl. N. Am. 2, 1: 23 (1878), pro syn.; sphalm. pro *disomorphum*.  
*Cyanococcus atrococcus* Small, Man. Southeast. Fl. 1014, 1507 (1933).
- V. atrococcum** f. **leucococcus** Deane in Rhodora, 24: 228 (1922).
- V. corymbosum** Linnaeus, Sp. Pl. 350 (1753). — Gray, Syn. Fl. N. Am. 2, 1: 22 (1878). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 700, fig. 3264 (1913).  
*Vaccinium gilvum* Meerburgh, Pl. Select. Icon. p. [5], t. 18 (1798).  
*Vaccinium disomorphum* Michaux, Fl. Bor.-Am. 1: 231 (1803).  
*Cyanococcus corymbosus* Rydberg in Brittonia, 1: 94 (1931).
- V. corymbosum** f. **typicum** Camp in Am. Midland Nat. 23: 177 (1940).
- V. corymbosum** f. **albiflorum** (Hook.) Camp, l. c. (1940).  
*Vaccinium albiflorum* Hooker in Bot. Mag. 62: t. 3428 (1835).  
*Vaccinium corymbosum* var. *amoenum* Gray, Man. Bot. N. U. S. ed. 5, 292 (1867), non *V. a.* Aiton (1789).
- V. corymbosum** f. **caesariense** (Mack.) Camp in Am. Midland Nat. 23: 177 (1940).  
*Vaccinium Caesariense* Mackenzie in Torreyia, 10: 230 (1910).
- V. corymbosum** f. **glabrum** (Gray) Camp, l. c. (1940).  
*Vaccinium corymbosum* var. *pallidum* Gray, Man. Bot. N. U. S. ed. 5, 292 (1867), non *V. pallidum* Aiton (1789).
- V. atlanticum** (*V. angustifolium* × *corymbosum*) Bicknell in Bull. Torrey Bot. Club, 61: 422 (1914). — Camp in Am. Midland Nat. 23: 177 (1940), emend. — Rehder, Man. Cult. Trees Shrubs, ed. 2, 902 (1940).
- V. pallidum** Aiton, Hort. Kew. 2: 10 (1789). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 700, fig. 3263 (1913).  
*Vaccinium virgatum* sensu Muhlenberg, Cat. Pl. Am. Sept. 40 (1813), exclud. syn.; nom. subnud. — Bigelow, Fl. Boston. ed. 2, 152 (1824). — Emerson, Rep. Trees Shrubs Mass. 402 (1846); ed. 4, 2: 455, t. (1875). — Non Aiton (1789).  
*Vaccinium Constablaei* Gray in Am. Jour. Sci. 42: 42 (1841). — Ammons & Core in Castanea, 10: 107, fig. (p. 108) (1945).  
*Cyanococcus pallidus* Small, Man. Southeast. Fl. 1016, 1507 (1933).
- V. vacillans** Torrey, Fl. New York, 1: 445 (1843) exclud. Kalm mss. — Gray, Syn. Fl. N. Am. 2, 1: 22 (1878).  
*Cyanococcus vacillans* Rydberg in Brittonia, 1: 94 (1931).  
*Vaccinium Torreyanum* Camp in Am. Midland Nat. 23: 177 (1940). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 751 (1940).
- V. canadense** Richardson in Franklin, Narr. Jour. Polar Sea (App. VII), 736 (1823). — Hooker, Fl. Bor.-Am. 2: 32 [1834]. — Gray, Syn. Fl. N. Am. 2, 1: 22 (1878).  
*Vaccinium album* Lamarck, Encycl. Méth. Bot. 1: 72 (1783), non Linnaeus (1753).
- V. angustifolium** Aiton, Hort. Kew. 2: 11 (1789). — House in New York State Mus. Bull. 243-244: 61 (1923); 254: 555 (Annot. List Pl. N. York St.) (1924).  
*Vaccinium Pennsylvanicum* var. *angustifolium* Gray, Man. Bot. N. U. S. 261 (1848); Syn. Fl. N. Am. 2, 1: 22 (1878).  
*Vaccinium salicinum* Ascherson in Flora, 43: 370 (1860), nom.; non Chamisso & Schlechtendal (1826).  
*Cyanococcus angustifolius* Rydberg in Brittonia, 1: 94 (1931).
- V. angustifolium** var. **laevifolium** House in New York State Mus. Bull. 243-244: 61 (1923); 254: 555 (Annot. List Pl. New York St.) (1924).  
*Vaccinium Pensilvanicum* Lamarck, Encycl. Méth. Bot. 1: 74 (1783). — Gray, Syn. Fl. N. Am. 2, 1: 22 (1878) "*Pennsylvanicum*". — Non Miller (1768) = *Royena glabra* L.  
*Vaccinium tenellum* sensu Pursh, Fl. Am. Sept. 1: 288 (1914), non Aiton (1789).  
*?Vaccinium ramulosum* Willdenow, Enum. Pl. Hort. Berol. Suppl. 20 (1821).  
*Vaccinium humile* Willdenow, op. cit. 21 (1821).  
*Vaccinium multiflorum* [?W. Young, Cat. Arb. Arbust. Am. 25 (1783), nom. —] Watson, Dendr. Brit. 2: t. 125c (1825).  
*Vaccinium Lamarckii* Camp in Bull. Torrey Bot. Club, 71: 180 (1944); in Brittonia, 5: 233, fig. 8 (1945).
- V. angustifolium** f. **leucocarpum** (Deane) Rehder in Jour. Arnold Arb. 20: 426 (1939) "*var. laevifolium* f. l." *Vaccinium pennsylvanicum* f. *leucocarpum* Deane in Rhodora, 3: 264 (1901).

- V. angustifolium** var. **nigrum** (Wood) Dole, Fl. Vermont, ed. 3, 210 (1937).—Rehder in Jour. Arnold Arb. 20: 426 (1939).  
*Vaccinium pennsylvanicum* β. *nigrum* Wood, Class-Book Bot. ed. 1861, 483 (1861).  
*Vaccinium nigrum* Britton in Mem. Torrey Bot. Club, 5: 252 (1894).
- V. angustifolium** var. **myrtilloides** (Michx.) House in New York State Mus. Bull. 243-244: 61 (1923; 254: 555 (Annot. List. Pl. N. York St.) (1924).  
*Vaccinium myrtilloides* Michaux, Fl. Bor.-Am. 1: 234 (1803).  
*Vaccinium pennsylvanicum* Fernald in Rhodora, 10: 148 (1908), non Lamarck (1783).
- V. Smallii** Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 398 (1859).—Nakai, Trees Shrubs Jap. rev. ed., 1: 247, fig. 116 (1927).  
*Vaccinium Buergeri* Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 29 (1863), p. p.  
*Vaccinium hirtum* var. *Smallii* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 41 (in Mém. Biol. 8: 606) (1872).
- V. koreanum** Nakai, Trees Shrubs Jap. 1: 191, fig. 113 (1922).  
*Vaccinium hirtum* β. *Smallii* Palibin in Act. Hort. Petrop. 18: 149 (Consp. Fl. Kor. 2: 3) (1900), non Maximowicz (1873).  
*Vaccinium Buergeri* sensu Nakai, Fl. Sylv. Kor. 8: 63, t. 26 (1919), non Miquel (1863).  
 ?*Vaccinium Usunoki* Nakai, Trees Shrubs Jap. rev. ed., 1: 25, fig. 118 (1927).
- V. hirtum** Thunberg, Fl. Jap. 155 (1784).—Schneider, Ill. Handb. Laubh. 2: 555, fig. 366g-h, 3671-m (1911).—Nakai, Trees Shrubs Jap. rev. ed., 1: 254, fig. 121 (1927).  
*Vaccinium hirtum* α. *typicum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 18: 41 (in Mém. Biol. 8: 606) (1872).  
*Vaccinium pterocarpum* Nakai in Bot. Mag. Tokyo, 31: 103 (1917).
- V. praestans** Lambert in Trans. Linn. Soc. Lond. 10: 268, t. 9 (1806).—Nakai, Trees Shrubs Jap. rev. ed., 1: 266, fig. 128 (1927).
- Subgen. iv. EUVACCINIUM Klotzsch in Linnaea, 24: 54, 58 (1851), p. p.—Drude in Nat. Pflanzenfam. IV. 1: 51 (1889).  
*Vaccinium* §. 3. *Euvaccinium* Gray, Syn. Fl. N. Am. 2,1: 23 (1878).
- Sect. i. MYRTILLUS Koch, Syn. Fl. Germ. Helv. 474 (1837).—Koehne, Deutsche Dendr. 477 (1893) "subgen."—Sleumer in Bot. Jahrb. 71: 421 (1941) "sect."  
*Myrtillus* Gilibert, Fl. Lithuan. 1: 4 (1781).  
*Vaccinium* §. 4. *Euvaccinium* seu *Myrtillus* Gray in Mem. Am. Acad. Arts Sci. n. ser., 3: 53 (Chloris Bor.-Am. 1846) (1848).  
*Myrtillus* sect. *Eumyrtillus* Bubani, Fl. Pyren. 2: 17 (1900).  
*Vaccinium* L. sensu Rydberg, Fl. Rocky Mts. 644 (1917), non sensu ampl. Linn. (1753).  
*Vaccinium* sect. *Uliginosa* Nakai, Trees Shrubs Jap. rev. ed., 1: 264 (1927).—Sleumer in Bot. Jahrb. 71: 414 (1941).
- V. uliginosum** Linnaeus, Sp. Pl. 350 (1753).—Gray, Syn. Fl. N. Am. 2,1: 23 (1878).—E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) 63: 106 (1919).  
*Vaccinium rubrum* Gilibert, Fl. Lithuan. 1: 4 (1781).  
*Vaccinium ciliatum* Gilibert, Exerc. Phytol. 1: 11 (1792), non Thunberg (1784).  
*Vaccinium gaultherioides* Bigelow in New Engl. Jour. Med. 5: 535 (1816).—Rafinesque in Am. Monthly Mag. 1: 442 (1817) "*gaultherioides*."  
*Vaccinium pubescens* Wormsk. ex Hornemann in Oeder, Icon. Pl. Dan. 9,26: 4, t. 1516 (1818).  
*Myrtillus uliginosus* Drejer, Fl. Excurs. Hafn. 147 (1838).—Lindström in Bot. Notiser, 1893: 17 (1893), nom.  
*Vaccinium uliginosum* var. *genuinum* Herder in Act. Hort. Petrop. 1: 319 (1871).  
*Myrtillus grandis* Bubani, Fl. Pyren. 2: 17 (1900).
- V. occidentale** Gray, Bot. Calif. 1: 451 (1876); Syn. Fl. N. Am. 2,1: 23 (1878).—Jepson, Fl. Calif. 3: 52, fig. 300 (1939).
- V. cespitosum** Michaux, Fl. Bor.-Am. 1: 234 (1803).—Gray, Syn. Fl. N. Am. 2,1: 24 (1878) "*caespitosum*."—Jepson, Fl. Calif. 3: 53, fig. 302 (1939) "*caespitosum*."
- V. deliciosum** Piper in Piper & Beattie, Fl. N. W. Coast, 277 (1915).—Camp in Brittonia, 4: 220 (1942).
- V. Myrtillus** Linnaeus, Sp. Pl. 349 (1753).—Gray, Syn. Fl. N. Am. 2,1: 24 (1878).—Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5,3: 1674, fig. 2682-5, t. 207, fig. 3 [1926].—Camp in Brittonia, 4: 207 (1942).  
*Myrtillus niger* Gilibert, Fl. Lithuan. 1: 24 (1781); Exerc. Phytol. 1: 10 (1792).  
*Vitis idaea myrtillus* Moench, Meth. Pl. 47 (1794).  
*Vaccinium montanum* Salisbury, Prodr. Stirp. Chap. Alpert. 291 (1796).  
*Myrtillus sylvaticus* Drejer, Fl. Excurs. Hafn. 147 (1838).—Bubani Fl. Pyren. 2: 17 (1900) "*sylvatica*."  
*Vaccinium angulosum* Dulac, Fl. Hautes-Pyrén. 460 (1867).  
*Vaccinium myrtilloides* sensu S. Watson, Bot. [40th Parall.], 209 (in U. S. Geol. Expl. 40th Parall. vol. 5) (1871), non Hooker [1834].  
*Vaccinium oreophilum* Rydberg in Bull. Torrey Bot. Club, 33: 148 (1906), p. p.
- V. Myrtillus** f. **leucocarpum** (Dumort.) E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) 63: 119 (1919).  
*Vaccinium Myrtillus* var. *leucocarpum* Dumortier, Florula Belg. 53 (1827).
- V. membranaceum** Douglas ex Torrey in Wilkes, U. S. Expl. Exped. 1838-42, 17(Bot.): 377 (Phanerog. Pacif. N. Am.) (1874).—Jepson, Fl. Calif. 3: 53, fig. 302 (1939).—Camp in Brittonia, 4: 241 (1942).  
*Vaccinium myrtilloides* sensu Hooker, Fl. Bor.-Am. 2: 32 [1834], non Michaux (1803).  
*Vaccinium myrtilloides* β. *macrophylla* Hooker, l. c. [1834].  
*Vaccinium membranaceum* Douglas mss. ex Bongard in Mém. Acad. Sci. St. Pétersb., sér. 6, 2: 119 (Obs. Vég. Sitcha, 33 [1832]) (1833), pro syn.—Hooker, l. c. [1834], pro syn.  
 ?*Vaccinium macrophyllum* Piper in Contrib. U. S. Nat. Herb. 11: 443 (1906).
- V. scoparium** Leiberg in Mazama, 1: 196 (1897).  
*Vaccinium Myrtillus* β. *microphyllum* Hooker, Fl. Bor.-Am. 2: 33 [1834].  
*Vaccinium microphyllum* Rydberg in Bull. Torrey Bot. Club, 24: 251 (1897), non Blume (1825), nec King & Gamble (1906).  
*Vaccinium erythrococcum* Rydberg in Mem. New York Bot. Gard. 1: 301 (1900).

**Vaccinium scoparium** (continued)

- Vaccinium Myrtillus* sensu Jepson, Fl. Calif. **3**: 55, fig. 305 (1939), non Linnaeus (1753).
- V. ovalifolium** Smith in Rees, Cyclop. **36**: V. no. 2 (1817). — Gray, Syn. Fl. N. Am. **2**, 1: 24 (1878).
- V. parvifolium** Smith in Rees, Cyclop. **36**: V. no. 3 (1817). — Gray, l. c. (1878). — Jepson, Fl. Calif. **3**: 54, fig. 304 (1939).
- Vaccinium Chamissonis* Bongard in Mém. Acad. Sci. St. Pétersb. sér. 6, **2**: 119 (Obs. Vég. Sitcha, 33 [1832]) (1833).
- Sect. II. HEMIMYRTILLUS Sleumer in Notizbl. Bot. Gart. Mus. Berlin, **13**: 113 (1936).
- V. Arctostaphylos** Linnaeus, Sp. Pl. 351 (1753). — Boissier, Fl. Or. **3**: 964 (1875). — Schneider, Ill. Handb. Laubh. **2**: 560, fig. 366a-d, 367a (1911).
- Sect. III. VITIS-IDAEA (Moench) Koch, Syn. Fl. Germ. Helv. 474 (1837). — Klotzsch in Linnaea, **24**: 55, 62 (1851) "subgen." — Sleumer in Bot. Jahrb. **71**: 413 (1941).
- Vitis idaea* Moench, Meth. Pl. 47 (1794), p. p.
- Vitidaea* Dumortier, Anal. Fam. Pl. 29 (1829).
- Metagonia* Nuttall in Trans. Am. Philos. Soc. ser. 2, **8**: 263 (1843).
- Pyxothamnus* Nuttall in op. cit. 264 (1843), nom.
- Myrtillus* sect. *Vitis idaea* Bubani, Fl. Pyren. **2**: 16 (1900).
- Herpothamnus* Small, Man. Southeast. Fl. 1017, 1507 (1933).
- Vaccinium* sect. *Pseudocyanococcus* Sleumer in Bot. Jahrb. **71**: 414 (1941).
- Vaccinium* subgen. *Herpothamnus* Uphof in Mitt. Deutsch. Dendr. Ges. **48**(1936): 24 [1937]. — Sleumer in Bot. Jahrb. **71**: 414 (1941) "sect."
- Vaccinium* sect. *Pyxothamnus* Sleumer in op. cit. 417 (1941).
- V. Myrsinites** Lamarck, Encycl. Méth. Bot. **1**: 73 (1783). — Gray, Syn. Fl. N. Am. **2**, 1: 21 (1878).
- Vaccinium nitidum*  $\beta$ . *decumbens* Sims in Bot. Mag. **38**: t. 1550 (1813).
- V. crassifolium** Andrews, Bot. Repos. **2**: t. 105 (1800). — Gray, Syn. Fl. N. Am. **2**, 1: 25 (1878).
- Vaccinium myrtifolium* Michaux, Fl. Bor.-Am. **1**: 229 (1803).
- Vaccinium carnosum* Persoon, Syn. Pl. **1**: 479 (1805).
- Metagonia myrtifolia* Nuttall in Trans. Am. Philos. Soc. ser. 2, **8**: 265 (1843).
- Herpothamnus crassifolius* Small, Man. Southeast. Fl. 1017, 1507 (1933).
- V. ovatum** Pursh, Fl. Am. Sept. **1**: 290 (1814). — Gray, Syn. Fl. N. Am. **2**, 1: 25 (1878). — Jepson, Fl. Calif. **3**: 55 (1939).
- Vaccinium lanceolatum* Dunal in De Candolle, Prodr. **7**, 2: 570 (1839).
- Metagonia (Pyxothamnus) ovata* Nuttall in Trans. Am. Philos. Soc. ser. 2, **8**: 264 (1843).
- V. Vitis-idaea** Linnaeus, Sp. Pl. 351 (1753) "*V. Vitis idaea*." — Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. **5**, 3: 1669, fig. 2677-81 [1926].
- Vaccinium punctatum* Lamarck, Fl. Franç. **3**: 396 (1778).
- Vitis idaea punctata* Moench, Meth. Pl. 47 (1794).
- Vaccinium buxifolia* Gilibert, Fl. Lithuan. **1**: 4 (1781); Exerc. Phytol. **1**: 11 (1792). — B. D. Jackson in Index Kew. **2**: 1162 (1895) "*buxifolium*," pro syn.
- Vaccinium nemorosum* Salisbury, Prodr. Stirp. Chap. Allert. 291 (1796).
- Vitis-idaea punctifolia* S. F. Gray, Nat. Arr. Brit. Pl. **2**: 406 (1821).
- Oxycoccus Vitis-idaea* E. Fries in Bot. Notiser, **1840**: 37 (1840).
- Vaccinium rubrum* Dulac, Fl. Hautes-Pyrén. 460 (1867), non Gilibert (1781).
- Vaccinium Vitis-idaea a. genuinum* Herder in Act. Hort. Petrop. **1**: 31 (1872).
- Myrtillus exigua* Bubani, Fl. Pyren. **2**: 16 (1900).
- Vitis-idaea* Britton, Man. Fl. N. U. S. **708** (1901).
- V. Vitis-idaea f. majus** (Lodd.), grad. nov.
- Vaccinium Vitis-idaea major* Loddiges, Bot. Cab. **7**: t. 616 (1822). — Bean, Trees Shrubs Brit. Isl. **2**: 631 (1914) "var."
- V. Vitis-idaea var. minus** (Lodd.) Schneider, Ill. Handb. Laubh. **2**: 559 (1911).
- Vaccinium Vitis-idaea var. pumilum* Hornemann, Forsørg Dansk Økon. Plantel. ed. 3, **2**: 177 (1821-37). — E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 3) **63**: 129, fig. (1919).
- Vaccinium Vitis-idaea minor* Loddiges, Bot. Cab. **11**: t. 1023 (1825). — Nakai in Jour. Jap. Bot. **17**: 11 (1941) "f. minus."
- Vaccinium jesoense* Miquel in Ann. Mus. Bot. Lugd.-Bat. **1**: 28 (1863).
- Vaccinium Vitis-idaea  $\beta$ . microphyllum* Herder in Act. Hort. Petrop. **1**: 313 (1871).
- Vaccinium pulchellum* Fischer herb. ex Herder, l. c. (1871), pro syn.
- V. intermedium** (*V. Myrtillus*  $\times$  *Vitis-idaea*) Ruthe, Fl. Brandenb. ed. 2, 377, t. 1 (1834).
- Vaccinium Myrtillo-Vitis idaea* H. Zimmermann in Jahresb. Schles. Ges. Vaterl. Kult. **46**: 149 (1868).
- V. floribundum** Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. **3**: 266 (fol. ed. 208), t. 208 (1818). — Sleumer in Notizbl. Bot. Gart. Mus. Berlin, **13**: 129 (1936).
- Vaccinium crenulatum* Dunal in De Candolle, Prodr. **7**, 2: 570 (1839).
- Metagonia crenulata* Nuttall in Trans. Am. Philos. Soc. n. ser., **8**: 266 (1843).
- Vaccinium Mortinia* Benthams, Pl. Hartweg. 221 [1846]. — Hooker f. in Bot. Mag. **112**: t. 6872 (1886).
- Vaccinium Moritzianum* var. *oblongum* Klotzsch in Linnaea, **24**: 63 (1851).
- Vaccinium dasygynum* Blake in Jour. Washington Acad. Sci. **14**: 289 (1924).
- V. floribundum var. ramosissimum** (Dunal) Sleumer in Notizbl. Bot. Gart. Mus. Berlin, **13**: 131 (1936).
- Vaccinium ramosissimum* Dunal in De Candolle, Prodr. **7**, 2: 571 (1839).
- Vaccinium polystachyum* Benthams, Pl. Hartweg. 140 [1844].
- Vaccinium thymifolium* Klotzsch in Linnaea, **24**: 62 (1851).
- Vaccinium callosum* Grisebach ex Weddell, Chlor. And. **2**: 177 (1857).
- Vaccinium leiandrum* Blake in Contrib. U. S. Nat. Herb. **20**: 528 (1924).
- V. Nummularia** Hooker f. & Thomson ex C. B. Clarke in Hooker f., Fl. Brit. Ind. **3**: 451 (1882). — Sleumer in Bot. Jahrb. **71**: 431 (1941).



- V. Delavayi** Franchet in Jour. de Bot. **9**: 367 (1895).—Sleumer in Bot. Jahrb. **71**: 436 (1941).
- V. moupinense** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **10**: 43 (Pl. David. **2**: 81. 1888) (1887).
- Subgen. v. **EPIGYNIUM** (Klotzsch) Drude in Nat. Pflanzenfam. IV. **1**: 52 (1889).
- Acosta* Loureiro, Fl. Cochinch. 276 (1790).
- Epigynium* Klotzsch in Linnaea, **24**: 49 (1851).
- Vaccinium* sect. *Epigynium* Benth. & Hooker f., Gen. Pl. **2**: 574 (1876).—Sleumer in Bot. Jahrb. **71**: 420 (1941).
- Vaccinium* sect. *Galeopetalum* J. J. Smith in Icon. Bogor. **4**: 101 (1912).—Sleumer in Bot. Jahrb. **71**: 418 (1941).
- Vaccinium* sect. *Cyanococcus* subsect. *Aphyllorhizae* Nakai, Fl. Sylv. Kor. **8**: 56 (1919).
- Vaccinium* sect. *Bracteata* Nakai, Trees Shrubs Jap. rev. ed., **1**: 241 (1927).—Sleumer in Bot. Jahrb. **71**: 420 (1941).
- Vaccinium* sect. *Eococcus* Sleumer in Bot. Jahrb. **71**: 420 (1941).
- V. bracteatum** Thunberg, Fl. Jap. 156 (1784).—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 558 (1913).—Nakai, Fl. Sylv. Kor. **8**: 58, t. 22 (1919).—Rehder in Jour. Arnold Arb. **15**: 282 (1934).
- Acosta* spicata Loureiro, Fl. Cochinch. 276 (1790).
- Andromeda chinensis* Loddiges, Bot. Cab. **17**: t. 1648 (1830).
- Vaccinium chinense* Champion in Hooker's Jour. Bot. Kew Gard. Misc. **4**: 297 (1852).
- Vaccinium Donianum* var. *elliptica* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 161 (Prol. Fl. Jap. 93) (1866).
- Pieris divaricata* Léveillé in Bull. Acad. Intern. Géog. Bot. **12**: 252 (1903).
- Pieris coreana* Léveillé in Repert. Sp. Nov. Reg. Veg. **5**: 281 (1908).
- Pieris Fauriei* Léveillé, l. c. (1908).
- Vaccinium Taquetii* Léveillé in op. cit. **12**: 182 (1913).
- V. Sprengelii** (G. Don) Sleumer in Bot. Jahrb. **71**: 460 (1941); non Wallich, Num. List, no. 6296 [1830], nom.; nec Gard. Chron. n. ser., **19**: 473 (1883), pro syn.; nec Nicholson, Ill. Dict. Gard. **4**: 130 [1887], pro syn.
- Thibaudia Sprengelii* Wallich, Num. List, no. 6298 [1832], nom.
- Agapetes Sprengelii* G. Don, Gen. Hist. Dichlam. Pl. **3**: 862 (1834).
- Vaccinium affine* Wight in Calcutta Jour. Nat. Hist. **8**: 173 [1848]; Icon. Pl. Ind. Or. **4**: 5, t. 1190 [1848].
- Vaccinium Donianum* Wight in op. cit. **8**: 174 [1848]; Icon. Pl. **4**: 5, t. 1191 [1848].—Rehder & Wilson in Sargent, Pl. Wilson. **1**: 557 (1913) "*Donianum*."
- Epigynium affine* Klotzsch in Linnaea, **24**: 50 (1851).
- Epigynium Donianum* Klotzsch in op. cit. **51** (1851).
- Epigynium Sprengelii* Klotzsch, l. c. (1851).
- Vaccinium exaristatum* Kurz in Jour. As. Soc. Bengal, **42**, **2**: 86 (1873).
- Vaccinium exaristatum* a. *semipubescens* et *β. pubescens* Kurz in op. cit. **46**, **2**: 215 (1877).
- Vaccinium Donianum* a. *genuinum* et *β. exaristatum* Kurz, Forest Fl. Brit. Burma, **2**: 91 (1877).
- Vaccinium bancanum* Miquel ex Clarke in Hooker f., Fl. Brit. Ind. **3**: 454 (1882), p. p.
- Vaccinium malaccense* var. *Lobbii* Clarke, l. c. (1882).
- Vaccinium Donianum* var. *brachybotrys* Franchet in Jour. de Bot. **9**: 369 (1895).
- Vaccinium mandarinorum* Diels in Bot. Jahrb. **29**: 516 (1901).—Metcalf in Jour. Arnold Arb. **12**: 272 (1931).—Rehder in Jour. Arnold Arb. **15**: 284 (1934).
- Vaccinium laetum* Diels, l. c. (1901).
- Maesa depauperata* Diels in op. cit. 519 (1901).
- Pieris Duclouxii* Léveillé in Bull. Acad. Intern. Géog. Bot. **12**: 253 (1903).
- Vaccinium longicornu* Léveillé & Vaniot in Bull. Soc. Bot. France, **51**: 291 (1904); **53**: 206 (1906).
- Pieris Esquirolii* Léveillé & Vaniot in op. cit. **53**: 206 (1906).
- Pieris Esquirolii* var. *discolor* Léveillé & Vaniot, l. c. (1906).
- Vaccinium Donianum* var. *hangchouense* Matsuda in Bot. Mag. Tokyo, **25**: 319 (1912).
- Vaccinium Forrestii* Diels in Notes Bot. Gard. Edinb. **5**: 294 (1912).
- Vaccinium parvibracteatum* Hayata, Icon. Pl. Formos. **3**: 128 (1913).
- Pieris bracteata* W. W. Smith in Notes Bot. Gard. Edinb. **9**: 116 (1916).
- Vaccinium Garrettii* Craib in Kew Bull. **1916**: 265 (1916).
- Vaccinium longitubulosum* J. J. Smith in Meded. Herb. Leiden, **30**: 5, fig. 3 (1916).
- Vaccinium hangchouense* Komatsu in Matsumura, Icon. Pl. Koisikav. **3**: 95, t. 193 (1917).
- Vaccinium Donianum* var. *austro-sinense* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, **58**: 177 (Pl. Nov. Sin. Forts. **13**: 1) (1921).
- Vaccinium Duclouxii* (Lévl.) Handel-Mazzetti in op. cit. **62**: 146 (**34**: 4) (1925).—Sealy in Bot. Mag. **164**: t. 9658 (1944).
- Vaccinium brachybotrys* (Franch.) Handel-Mazzetti, l. c. (1925).
- Vaccinium Harmandianum* Dop in Lecomte, Fl. Gén. Indo-Chine, **3**: 709 (1930).
- Vaccinium thysanocalyx* Dop in Lecomte, op. cit. 710 (1930).
- Vaccinium mandarinorum* var. *austro-sinense* Metcalf in Jour. Arnold Arb. **12**: 274 (1931).
- Vaccinium glabrum* Fletcher in Kew Bull. **1936**: 36 (1936).
- Vaccinium apricum* Fletcher, l. c. (1936).
- Vaccinium pedicellatum* Fletcher in op. cit. 37 (1936).
- Vaccinium Winitii* Fletcher in op. cit. 39 (1936).
- Vaccinium Eberhardtii* Dop var. *pubescens* Fletcher, l. c. (1936).
- Vaccinium Griffithianum* var. *glabratum* Hooker f. & Thomson sensu Handel-Mazzetti, Symb. Sin. **7**: 794 (1936), non Hook. & f. Thoms. ex C. B. Clarke (1882).
- V. fragile** Franchet in Jour. de Bot. **9**: 366 (1895).—Rehder in Jour. Arnold Arb. **15**: 286 (1934).—Sleumer in Bot. Jahrb. **71**: 455 (1941).
- Vaccinium fragile* a. *crinita* Franchet, op. cit. 367 (1895).
- Vaccinium setosum* Wright in Kew Bull. **1896**: 24 (1896).—Anthony in Notes Bot. Gard. Edinb. **15**: 246 (1927).
- Pieris Gagnepainiana* Léveillé in Bull. Acad. Intern. Bot. Géog. **12**: 251 (1903).
- Pieris repens* Léveillé, l. c. (1903).
- Vaccinium Wardii* Adamson in Jour. Bot. **51**: 130 (1913).
- Vaccinium repens* Rehder in Jour. Arnold Arb. **15**: 283 (1934).
- Vaccinium Anthonyi* Merrill in Sunyatsenia, **3**: 256 (1937).
- V. Merrillianum** Hayata in Jour. Coll. Sci. Tokyo, **25**, **19**: 149, t. 24 (1908).—Sleumer in Bot. Jahrb. **71**: 436 (1941).
- Agapetes Merrilliana* Nakai in Jour. Jap. Bot. **12**: 377 (1936).

**Vaccinium** (continued)

- V. urceolatum** Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 16 (1889).

Subgen. vi. OXYCOCCOIDES (Benth. & Hook. f.) Sleumer in Notizbl. Bot. Gart. Mus. Berlin, 13: 111 (1936).  
*Oxycoccus* Persoon, Syn. Pl. 1: 419 (1805), p. p. — Dunal in De Candolle, Prodr. 7,2: 576 (1839).  
*Oxycoca* Rafinesque, Med. Fl. 2: 49 (1830).  
*Vaccinium* sect. *Oxycoccoides* Benth. & Hooker f., Gen. Pl. 2: 574 (1876). — Sleumer in Bot. Jahrb. 71: 422 (1941).  
*Vaccinium* sect. *Oxycoccus* Gray, Syn. Fl. N. Am. 2,1: 25 (1878), p. p. — Drude in Nat. Pflanzenfam. IV. 1: 51 [1889] "subgen.", p. p.  
*Hugeria* Small, Fl. Southeast. U. S. 896, 1336 (1903).  
*Oxycoccoides* Nakai in Bot. Mag. Tokyo, 31: 246 (1917).

- V. erythrocarpum** Michaux, Fl. Bor.-Am. 1: 227 (1803). — Gray, Syn. Fl. N. Am. 2,1: 25 (1878) "*erythrocarpum*."  
*Oxycoccus erythrocarpus* Persoon, Syn. Pl. 1: 419 (1805). — Elliott, Sketch Bot. S.-Carol. 1: 447 [1817].  
*Oxycoccus erectus* Pursh, Fl. Am. Sept. 1: 264 (1814).  
*Schollera erythrocarpa* Steudel, Nomencl. Bot. 746 (1821). — Britton in Mem. Torrey Bot. Club, 5: 253 (1894).  
*Schollera erecta* Steudel, l. c. (1821), pro syn.  
*Oxycoca erythrocarpa* Rafinesque, Med. Fl. 2: 49 (1830).  
*Hugeria erythrocarpa* Small, Fl. Southeast. U. S. 897, 1336 (1903).

- V. japonicum** Miquel in Ann. Mus. Bot. Lugd.-Bat. 1: 28 (1863). — Rehder in Jour. Arnold Arb. 15: 288 (1934).  
*Oxycoccus japonicus* Makino in Bot. Mag. Tokyo, 18: 18 (1904).  
*Vaccinium Fauriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 182 (1913).  
*Oxycoccoides japonicum* Nakai, Fl. Sylv. Kor. 8: 50, t. 20 (1919).  
*Vaccinium japonicum* var. *Fauriei* Sleumer in Bot. Jahrb. 71: 490 (1941).

- V. japonicum** var. *sinicum* (Nakai) Rehder in Jour. Arnold Arb. 5: 56 (1924); 15: 288 (1934).  
*Agapetes vaccinioides* Léveillé in Bull. Acad. Intern. Géog. Bot. 12: 251 (1903).  
*Vaccinium siccum* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 447 (1911).  
*Oxycoccoides japonica* var. *sinica* Nakai, Trees Shrubs Jap. 1: 168 (1922), descr. in lingua jap. tantum.  
*Hugeria sinica* Maekawa in Bot. Mag. Tokyo, 47: 615 (1933).  
*Hugeria japonica* var. *sinica* Handel-Mazzetti, Symb. Sin. 7: 799 (1936).

- Subgen. vii. OXYCOCCUS [Hill] Drude in Nat. Pflanzenfam. IV. 1: 51 [1889].  
*Oxycoccus* Hill, Brit. Herb. 324 (1756). — Adanson, Fam. Pl. 2: 164 (1763). — Necker, Elem. Bot. 1: 217 (1790). — Persoon, Syn. Pl. 1: 419 (1805).  
*Schollera* Roth, Tent. Fl. Germ. 1: 170 (1788).  
*Oxycoca* Rafinesque, Med. Fl. 2: 48 (1830), sp. 4 et 5 exclud.  
*Vaccinium* sect. *Oxycoccus* Koch, Syn. Fl. Germ. Helv. 1: 474 (1837). — Sleumer in Bot. Jahrb. 71: 413 (1941).  
*Vaccinium* subgen. *Schollera* Dippel, Handb. Laubh. 1: 338 (1889).

- V. Oxycoccus** Linnaeus, Sp. Pl. 351 (1753). — Gray, Syn. Fl. N. Am. 2,1: 25 (1878). — Hallier & Wohlfahrt, Koch's Syn. Deutsch. Schweiz. Fl. ed. 3, 2: 1934 (1902).  
*Schollera Oxycoccus* Roth, Tent. Fl. Germ. 1: 170 (1788). — Britton in Jour. Bot. 25: 233 (1887) "*Oxycoccus*."  
*Oxycoccus quadripetala* Gilibert, Fl. Lithuan. 1: 5 (1781); Exerc. Phytol. 1: 12 (1792). — Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5,3: 1686, fig. 2689-91 [1926] "*Oxycoccus quadripetalus*."  
*Oxycoccus palustris* Persoon, Syn. Pl. 1: 419 (1805).  
*Oxycoccus vulgaris* Pursh, Fl. Am. Sept. 1: 263 (1814). — Hill ex Nakai, Trees Shrubs Jap. rev. ed., 1: 231 (1927).  
*Schollera paludosa* Baumgarten, Enum. Stirp. Transsilv. 1: 331 (1816).  
*Oxycoccus europaeus* Nuttall, Gen. N. Am. Pl. 1: 251, in obs. (1818).  
*Schollera europaea* Steudel, Nomencl. Bot. 746 (1821), pro syn.  
*Oxycoca vulgaris* Rafinesque, Med. Fl. 2: 49 (1830).  
*Oxycoccus palustris* a. *vulgaris* Blytt, Norges Fl. 2: 837 (1874).  
*Oxycoccus Oxycoccus* MacMillan in Bull. Torrey Bot. Club, 19: 15 (1892).  
*Vaccinium Oxycoccus* subsp. *vulgare* Blytt, Haandb. Norges Fl. 561 (1906).  
*Oxycoccus quadripetalus* subsp. *vulgaris* (Blytt) Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5,3: 1687 [1926].
- V. Oxycoccus** var. *microcarpum* [Turcz.] Ascherson & Graebner, Fl. Nordostdeutsch. Flachl. 545 (1899) "b. m." — Neumayer in Janchen & Neumayer in Oester. Bot. Zeitschr. 91: 267 (1942) "subsp."  
*Oxycoccus microcarpum* Turczaninov in Ruprecht, Hist. Stirp. Fl. Petrop. 56 (1848).  
*Oxycoccus quadripetalus* subsp. *microcarpum* (Turcz.) Braun-Blanquet in Hegi, Ill. Fl. Mittel-Eur. 5,3: 1687, fig. 2690, 2690f-h [1926].
- V. Oxycoccus** var. *ovalifolium* Michaux, Fl. Bor.-Am. 1: 228 (1803) "a." — Robinson & Fernald in Rhodora, 11: 54 (1909).  
*Vaccinium Oxycoccus* var. *intermedium* Gray, Syn. Fl. N. Am. ed. 2, 2,1: 396 (1886).  
*Oxycoccus palustris* var. *intermedium* Howell, Fl. N. W. Am. 1: 413 (1901).  
*Oxycoccus oxycoccus intermedius* Piper in Contrib. U. S. Herb. 11: 444 (1906). — Farwell in Papers Michigan Acad. Sci. 2: 35 (1923) "*Oxycoccus oxycoccus* var. *i*."  
*Oxycoccus intermedius* Rydberg, Fl. Rocky Mts. 646, 1065 (1917).  
*Oxycoccus ovalifolius* (Michx.) Porsild in Canad. Field Nat. 52: 116 (1938).
- V. macrocarpon** Aiton, Hort. Kew. 2: 13, t. 7 (1789). — Gray, Syn. Fl. N. Am. 2,1: 26 (1878).  
*Vaccinium hispidulum* sensu Wangenheim, Beytr. Deutsch. Forstger. Forstw. Nordam. Holzt. 108 (1787), non Linnaeus (1753).  
*Vaccinium Oxycoccus* β. *oblongifolius* Michaux, Fl. Bor.-Am. 1: 228 (1803).  
*Oxycoccus palustris* β. ? *macrocarpum* Persoon, Syn. Pl. 1: 419 (1805).  
*Oxycoccus macrocarpum* Pursh, Fl. Am. Sept. 1: 264 (1814).  
*Schollera macrocarpa* Steudel, Nomencl. Bot. 746 (1821). — Britton in Mem. Torrey Bot. Club, 5: 253 (1894).  
*Oxycoca macrocarpa* Rafinesque, Med. Fl. 2: 48 (1830).  
*?Oxycoca Berberidea* Rafinesque, op. cit. 49 (1830).

Fam. **DIAPENSIACEAE**

**DIAPENSIACEAE** Lindley, Nat. Syst. Bot. ed. 2, 233 (1836). — Drude in Nat. Pflanzenfam. IV 1: 80 [1889]. — Nakai, Fl. Sylv. Kor. 13: 3 (1923).

*Convolvulaceae* trib. *Diapensiaceae* Link, Handb. Erkenn. Gew. 1: 595 (1827).

*Galacinae* D. Don in Edinb. New Philos. Jour. 1828-9[6]: 53 (1828).

*Ericaceae* a. *Pyroleae* Reichenbach, Consp. Reg. Veg. (Uebers. Gew.) 129 (1828), p. p. quoad *Galax*; nom.

*Hydroleaceae* Lindley, Introd. Nat. Syst. Bot. 220 (1830), p. p. quoad *Diapensia*.

*Ericaceae* Horaninov, Prim. Lin. Syst. Nat. 72 (1834), p. p. quoad *Diapensia*.

*Ericaceae* 1. *Ericariae* c. *Pyroleae* Reichenbach, Handb. Nat. Pflanzensyst. 206 (1837), p. p.

*Corniculatae* 1. *Saxifragariae* a. *Saxifrageae* β. *Galacineae* Reichenbach, op. cit. 230 (1837), exclud. *Frankoa*.

*Polemoniaceae* G. Don, Gen. Hist. Dichlam. Pl. 4: 239 (1837), p. p. quoad *Diapensia*.

*Pyroleaceae* trib. *Galaceae* De Candolle, Prodr. 7,2: 776 (1839).

*Pyroleae* trib. *Diapenseae* Reichenbach, Repert. Herb.; Nomencl. Gen. Pl. (Deutsch. Bot. I.) 125 (1841).

*Rhodoraceae* a. *Epacrideae* 1. *Epacraeae* Horaninov, Char. Ess. Fam. Reg. Veg. 110 (1847), p. p. quoad *Diapensia*.

*Polemoniaceae* trib. *Diapensiae* A. de Candolle, Prodr. 13,1: 691 (1852).

**DIAPENSIA** Linnaeus, Sp. Pl. 141 (1753); Gen. Pl. ed. 5, 69, no. 177 (1754). — Bentham & Hooker f., Gen. Pl. 2: 620 (1876). — Evans in Notes Bot. Gard. Edinb. 15: 209 (1927).

Typus: *D. lapponica* L.

**D. lapponica** Linnaeus, Sp. Pl. 141 (1753). — Gray, Syn. Fl. N. Am. 2,1: 53 (1878). — Diels in Bot. Jahrb. 50(Suppl.): 304 (1914).

*Diapensia lapponica* var. *genuina* E. Busch in N. Busch, Fl. Sibir. Or. Extr. (pt. 4) 64: 3 (1926).

**PYXIDANTHERA** Michaux, Fl. Bor.-Am. 1: 152, t. 17 (1803). — Bentham & Hooker f., Gen. Pl. 2: 619 (1876). Typus: *P. barbulata* Michx.

**P. barbulata** Michaux, l. c. (1803). — Gray, Syn. Fl. N. Am. 2,1: 52 (1878). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 706, fig. 3279 (1913).

*Diapensia cuneifolia* Salisbury, Parad. Londin. 2: t. 104, in textu [1808].

*Diapensia barbulata* Elliott, Sketch Bot. S. Carol. 1: 229 [1817].

Fam. **MYRSINACEAE**

**MYRSINACEAE** Lindley, Nat. Syst. Bot. ed. 2, 224 (1836). — Mez in Engler, Pflanzenreich, IV 236(Heft 9): 1-437, ill. (1902). — NOM. CONSERV. cf. Sixth Intern. Bot. Congr. Syn. Propos. Nomencl. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Ardisiaceae* [Jussieu in Ann. Mus. Hist. Nat. Paris, 15: 349 (1810) "Ardisiacées." —] Roemer & Schultes, Syst. Veg. 4: xlviii (1819), in nota; pro syn. — [A. Richard in Dict. Class. Hist. Nat. 1: 530 (1822) "Myrsinées ou Ardisiacées." —] Juss. ex Dumortier, Anal. Fam. Pl. 27 (1829). — Bartling, Ord. Nat. Pl. 163 (1830), gen. nonnull. exclud. — Nakai, Fl. Sylv. Kor. 13: 11 (1923); in Nakai & Honda, Nova Fl. Jap. (Ardis.) 1 (1943).

*Myrsineae* R. Brown, Prodr. Fl. Nov. Holl. 533 (1810). — Bentham & Hooker f., Gen. Pl. 2: 639 (1876).

*Ophiospermeae* Dumortier, Comment. Bot. 59 (1822).

*Myrsineaceae* G. Don, Gen. Hist. Dichlam. Pl. 4: 7 (1838).

*Primulaceae* . . . *Myrsineae* Horaninov, Tetractys Nat. 27 (1843), nom. subnud.

*Lysimachiaceae* c. *Ardisiaceae*, Horaninov, Char. Ess. Fam. Reg. Veg. 108 (1847).

**ARDISIA** Swartz, Nov. Gen. Pl. Prodr. Veg. Ind. Occ. 48 (1788). — Bentham & Hooker f., Gen. Pl. 2: 645 (1876).

— Mez in Engler, Pflanzenreich, IV. 236(Heft 9): 151 (1902). — NOM. CONSERV. cf. Règl. Intern. Nomencl. Bot. 88, no. 6285 (1906).

*Katoutheka* Adanson, Fam. Pl. 2: 159 (1763).

*Icacorea* Aublet, Hist. Pl. Guian. 2: [Suppl.] 1, t. 368 (1775). — A. de Candolle in Ann. Sci. Nat. Bot. sér. 2, 16: 79, 94 (1841); Prodr. 8: 119 (1844).

*Bladhia* Hornstedt, Diss. Nov. Gen. Pl. 7 (1781). — Thunberg, Fl. Jap. 1: 95, t. 18 (1794). — Nakai, Fl. Sylv. Kor. 13: 12 (1923); in Nakai & Honda, Nova Fl. Jap. (Ardis.) 28 (1943).

*Pyrgus* Loureiro, Fl. Cochinch. 1: 120 (1790).

*Anguillaria* Lamarck, Tabl. Encycl. Méth. Bot. 2: 108 [1797]; Rec. Pl. t. 136 (Icacorea) [1797]. — Poiret, Encycl. Méth. Bot. 7: 684 (1806). — Non Gaertner (1788).

*Niara* Dennstaedt, Schlüss. Hort. Ind. Malab. 31 (1818), nom.

*Stigmatococca* Willdenow ex Roemer & Schultes, Syst. Veg. Mant. 3: 3, 55 (1827).

*Pickeringia* Nuttall in Jour. Acad. Sci. Nat. Philad. 7: 95 (1834). — De Candolle, Prodr. 7,2: 733 (1839).

*Barthesia* Comm. in herb. ex A. de Candolle in Trans. Linn. Soc. Lond. 17: 112 [1834], pro syn.

*Galiziola* Rafinesque, Sylva Tellur. 167 (1838).

*Milnea* Rafinesque, l. c. (1838), non Roxburgh (1832).

*Pimelandra* A. de Candolle in Ann. Sci. Nat. Bot. sér. 2, 16: 79, 88 (1841).

*Climacandra* Miquel, Pl. Junghuhn. 1: 199 (1853).

*Tinus* Burmann ex Kuntze, Rev. Gen. Pl. 2: 404 (1891), non Miller (1754).

Typus: *A. tinifolia* Swartz.

**A. japonica** (Thunb.) Blume, Bijdr. Fl. Nederl. Ind. 690 (1825). — Mez in Engler, Pflanzenreich, IV. 236(Heft 9): 151 (1902). — Rehder in Sargent, Pl. Wilson. 2: 582 (1916).

*Bladhia japonica* Thunberg, (Diss.; resp.: C. F. Hornstedt) Nov. Gen. Pl. 1: 6 (1781); Diss. Acad. Upsal. 1: 7 (1799); Fl. Jap. 1: 96, t. 18 (1784). — Nakai, Trees Shrubs Jap. rev. ed. 1: 277, fig. 130 (1927); in Nakai & Honda, Nova Fl. Jap. (Ardis.) 31 (1943).

*Bladhia glabra* Thunberg in Trans. Linn. Soc. Lond. 2: 331 (1794).

*Ardisia glabra* A. de Candolle in Trans. Linn. Soc. Lond. 17: 123 [1834].

*Ardisia odontophylla* sensu Lindley in Bot. Reg. 22: t. 1892 (1836), non Wallich ex A. de Candolle (1834).

*Ardisia japonica* β. *montana* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 263 (Prol. Fl. Jap. 151) (1866).

*Ardisia montana* Siebold ex Miquel, l. c. (1866), pro syn.

*Tinus japonica* Kuntze, Rev. Gen. Pl. 2: 405 (1891).

*Tinus montana* Kuntze, op. cit. 974 (1891).

*Bladhia montana* Nakai, Trees Shrubs Jap. 1: 203, fig. 117 (1922).

*Bladhia japonica* var. *typica* Nakai in Nakai & Honda, Nov. Fl. Jap. (Ardis.), 32 (1943).

Fam. **PRIMULACEAE**

**PRIMULACEAE** Ventenat, Tabl. Règ. Vég. 2: 285 (1799).  
— Benth. & Hooker f., Gen. Pl. 2: 628 (1870).  
*Lysimachiaceae* a. *Primuleae* Horaninov, Char. Ess. Fam. Reg. Vég. 107 (1847).

**DIONYSIA** Fenzl in Flora, 26, 1: 389 (1843). — Bunge in Bull. Acad. Sci. St. Pétersb. 16: 548 (1871). — Benth. & Hooker f., Gen. Pl. 2: 632 (1876). — Pax & Knuth in Engler, Pflanzenreich, IV. 237 (Heft 22): 160–168, fig. (1905).

*Macrosiphonia* Duby in Mém. Soc. Phys. Genève, 10: 426 (1844). — Pax & Knuth in op. cit. 160 (1905).  
“*Macrosiphonia*,” pro syn.; non Mueller Arg. (1860).  
*Gregoria* Duby in De Candolle, Prodr. 8: 44 (1844), exclud. spec. 1.

Typus: *D. odora* Fenzl.

About 15 suffruticose species in the mountains of Persia and Afghanistan, apparently not yet introduced.

Fam. **PLUMBAGINACEAE**

**PLUMBAGINACEAE** Lindley, Nat. Syst. Bot. ed. 2, 269 (1836). — Boissier in De Candolle, Prodr. 12: 617 (1848). — Pax in Nat. Pflanzenfam. IV. 1: 116 (1890); Nachtr. 271 (1897). — NOM. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Plumbagineae* Ventenat, Tabl. Règ. Vég. 276 [1799]. — Endlicher, Gen. Pl. 348 [1837].

*Armeriaceae* Horaninov, Prim. Lin. Syst. Nat. 68 (1834).

*Allionaceae* b. *Staticeae* et c. *Plumbaginaceae* Horaninov, Char. Ess. Fam. Reg. Vég. 106 (1847).

**CERATOSTIGMA** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 129 (Enum. Pl. Chin. Bor. 55.1833) (1835). — Benth. & Hooker f., Gen. Pl. 2: 628 (1876).

*Valoradia* Hochstetter in Flora, 25, 1: 239 (1842). — Boissier in De Candolle, Prodr. 12: 694 (1848).

Typus: *C. plumbaginoides* Bge.

**C. Willmottianum** Stapf in Bot. Mag. 140: t. 8591 (1914). — Meunissier in Rev. Hort. n. sér., 21: 120, t. (1928).

**C. minus** Stapf ex Prain in Jour. Bot. 44: 7 (1906). — Wilson in Sargent, Pl. Wilson. 2: 586 (1916).

*Ceratostigma Griffithii* sensu Pritzl in Bot. Jahrb. 29: 525 (1900), non Clarke (1882).

*Ceratostigma Polhillii* Bulley in Gard. Chron. ser. 3, 30: 6 (1901), nom. subnud.

**C. plumbaginoides** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 129 (Enum. Pl. Chin. Bor. 55.1833) (1835). — Schneider, Ill. Handb. Laubh. 2: 572, fig. 371g-i, 372g-h (1911).

*Plumbago Larpentae* Lindley in Gard. Chron. 1847: 732 (1847).

*Valoradia plumbaginoides* Boissier in De Candolle, Prodr. 12: 695 (1848).

**ACANTHOLIMON** Boissier, Diagn. Pl. Or. Nov. 7: 69 (1846); Fl. Or. 4: 823 (1879). — Bunge in Mém. Acad. Sci. St. Pétersb. sér. 7, 18, 2: 1–77, 2 t. (1872). — Benth. & Hooker f., Gen. Pl. 2: 625 (1876).

*Statice* subgen. *Armeriastrum* Jaubert & Spach in Ann. Sci. Nat. Bot. sér. 2, 20: 248 (1843).

LECTOTYPUS: *Statice Echinus* L. = *Acantholimon Echinus* (L.) Bunge.

**A. Oliverii** (Jaub. & Spach) Boissier, Diagn. Pl. Or. ser. 1, 7: 80 (1846) “*Olivieri*.” — Bunge in Mém. Acad. Sci. St.

Pétersb. sér. 7, 18, 2: 27 (Gatt. *Acantholimon*) (1872) “*Olivieri*.”

*Statice dianthifolia* Jaubert & Spach in Ann. Sci. Nat. Bot. sér. 2, 20: 253 (1843); Ill. Pl. Or. 1: 162 (1844); p. p. exclud. syn.

*Statice Oliverii* Jaubert & Spach, l. c. (1843); op. cit. 168, t. 93 (1844).

*Statice venusta* Fenzl in Kotschy, Pl. Exsicc. ex Boissier, Diagn. Pl. Or. Nov. 7: 80 (1846), pro syn.

*Acantholimon venustum* Boissier, l. c. (1846); in De Candolle, Prodr. 12: 631 (1848); Fl. Or. 4: 831 (1879). — Hooker f. in Bot. Mag. 122: t. 7506 (1892).

*Acantholimon venustum* β. *Olivieri* Boissier, Fl. Or. 4: 832 (1879). — Hooker f. in op. cit. t. 7506, p. [2] (1892).

Fam. **SAPOTACEAE**

**SAPOTACEAE** Dumortier, Anal. Fam. Pl. 21 (1829). — A. de Candolle in De Candolle, Prodr. 8: 154 (1844). — Engler in Nat. Pflanzenfam. IV. 1: 126 [1890].

*Sapoteae* [Jussieu in Ann. Mus. Hist. Nat. Paris, 5: 263 (1804). “*Sapotées*.”] — R. Brown, Prodr. Fl. Nov. Holl. 528 (1810).

*Styracaceae* c. *Sapoteae* Horaninov, Prim. Lin. Syst. Nat. 71 (1834).

*Sapotaceae* 3. *Sapoteae* a. *Chrysophylleae* Reichenbach, Handb. Nat. Pflanzensyst. 214 (1837), p. p. quoad *Bumelia*.

*Sapotaceae* d. *Sapoteae* Horaninov, Char. Ess. Fam. Reg. Vég. 117 (1847).

**BUMELIA** Swartz, Nov. Gen. Sp. Pl. Prodr. Veg. Ind. Occ. 49 (1788). — Benth. & Hooker f., Gen. Pl. 2: 660 (1876). — Gray, Syn. Fl. N. Am. 2, 1: 67 (1878). — Small in Bull. New York Bot. Gard. 1: 437 (1900).

*Rorbertia* Scopoli, Introd. Hist. Nat. 154 (1777).

*Rostellaria* Gaertner f., Fruct. Sem. 3: 135, t. 207 (1805).

*Sclerocladus* Rafinesque, Sylva Tellur. 35 (1838).

*Decateles* Rafinesque, l. c. (1838), p. p.

*Sclerozus* Rafinesque, Autik. Bot. 73 (1840).

*Sarcophyna* K. Presl in Abh. Böhm. Ges. Wiss. ser. 5, 3: 533 (Bot. Bemerk. 103) (1844).

*Lycioides* Kuntze, Rev. Gen. Pl. 2: 406 (1891).

LECTOTYPUS: ?*B. nigra* Swartz.

**B. lanuginosa** (Michx.) Persoon, Syn. Pl. 1: 237 (1805). — Sargent, Silva N. Am. 5: 171, t. 247 (1893). — Cronquist in Jour. Arnold Arb. 26: 452 (1945).

?*Sideroxylon tenax* sensu Walter, Fl. Carol. 100 (1788), non Linnaeus (1767).

*Sideroxylon lanuginosum* Michaux, Fl. Bor.-Am. 1: 122 (1803).

*Chrysophyllum ludovicianum* Rafinesque, Fl. Ludovic. 53 (1817).

*Bumelia oblongifolia* Nuttall, Gen. N. Am. Pl. 1: 135 (1818).

*Bumelia arachnoides* Rafinesque, New Fl. N. Am. 3: 28 [1838].

*Bumelia tomentosa* A. de Candolle in De Candolle, Prodr. 8: 190 (1844).

*Bumelia ferruginea* Nuttall, N. Am. Sylva, 3: 34 (1849).

*Bumelia arborea* Buckley in Proc. Acad. Nat. Sci. Philad. 1861: 461 (1862).

*Bumelia Texana* Buckley in Bull. Torrey Bot. Club, 10: 90 (1883).

*Lycioides lanuginosum* Kuntze, Rev. Gen. Pl. 2: 406 (1891).

*Bumelia lanuginosa* var. *oblongifolia* R. B. Clarke in Ann. Missouri Bot. Gard. 29: 163 (1942).

**B. lycioides** (L.) Persoon, Syn. Pl. 1: 237 (1805). — Gaertner f., Fruct. Sem. 3: 157, t. 202 (1805). — Sargent, Silva N. Am. 5: 173, t. 248 (1893). — Cronquist in Jour. Arnold Arb. 26: 454 (1945).

*Sideroxylon lycioides* Linnaeus, Sp. Pl. ed. 2, 279 (1762).  
*Sideroxylon decandrum* Linnaeus, Mant. Pl. 48 (1767).  
*Sideroxylon laeve* Walter, Fl. Carol. 100 (1788).  
*Decateles lycioides* Rafinesque, Sylva Tellur. 36 (1838).  
*Lycioides spinosum* Kuntze, Rev. Gen. Pl. 2: 406 (1891).

**B. lycioides** var. *virginiana* Fernald in Rhodora, 38: 439 (1936).

### Fam. EBENACEAE

EBENACEAE Ventenat, Tabl. Règ. Vég. 2: 443 (1799). — A. de Candolle in De Candolle, Prodr. 8: 209 (1844). — Hiern in Trans. Cambridge Philos. Soc. 12: 27–300 (Monog. Eben.) (1873).

*Guaiacanae* Jussieu, Gen. Pl. 155 (1789), p. p.

*Ebenaceae* trib. *Diospyreae* Duby in De Candolle, Bot. Gall. ed. 2, 320 (1828).

*Styraceae* b. *Ebenaceae* Horaninov, Prim. Lin. Syst. Nat. 71 (1834).

*Sapotaceae* 3. *Sapoteae* β. *Diospyreae* Reichenbach, Handb. Nat. Pflanzensyst. 214 (1837), p. p. typ. — Horaninov, Char. Ess. Fam. Reg. Veg. 117 (1847) "*Sapotaceae* c. D."

*Diospyraceae* Drude in A. Schenk, Handb. Bot. 3, 2: 377 (1887).

**DIOSPYROS** Linnaeus, Sp. Pl. 1057 (1753); Gen. Pl. ed. 5, 478, no. 1027 (1754). — Bentham & Hooker f., Gen. Pl. 2: 665 (1876).

*Paralea* Aublet, Hist. Pl. Guiane, 1: 576, t. 231 (1775).

*Dactylus* Forskål, Fl. Aegypt.-Arab. xxxvi (1775).

*Embryopteris* Gaertner, Fruct. Sem. 1: 145, t. 29 (1788).

*Cavanillea* Desrousseaux in Lamarck, Encycl. Méth. Bot. 3: 663 [1791].

*Cargillia* R. Brown, Prodr. Fl. Nov. Holl. 526 (1810).

*Leucoxylum* Blume, Bijdr. Fl. Nederl. Ind. 1169 (1826).

*Noltia* Schumacher in Danske Vidensk. Selsk. Skrift. Naturvid. Math. Afd. 3: 209 (Beskr. Guin. Pl. 189) (1827).

*Mabola* Rafinesque, Sylva Tellur. 11 (1838).

*Persimon* Rafinesque, op. cit. 164 (1838), nom. tentat. vel. subgen.

*Patonia* Wight, Ill. Ind. Bot. 1: 18 (1838).

*Gunisanthus* A. de Candolle in De Candolle, Prodr. 8: 219 (1844).

*Rospidios* A. de Candolle in op. cit. 220 (1844).

*Danzleria* Bertero ex A. de Candolle in op. cit. 224 (1844).

*Thespesocarpus* Pierre in Bull. Soc. Linn. Paris, 1897: 1258 (1897).

*Brayodendron* Small in Bull. Torrey Bot. Club, 28: 356 (1901).

LECTOTYPUS: *D. Lotus* L.

**Diospyros virginiana** Linnaeus, Sp. Pl. 1057 (1753). — Sargent, Silva N. Am. 6: 7, t. 252–3 (1894).

*Diospyros Guajacana* Romans, Nat. Hist. Florida, 20 (1775).

*Diospyros concolor* Moench, Meth. Pl. 470 (1794).

*Diospyros virginiana* var. *concolor* Rafinesque, Med. Fl. 155 (1828).

*Diospyros virginiana* var. *macrocarpa* et var. *microcarpa* Rafinesque, l. c. (1828).

*Diospyros Persimon* Duden, Ber. Reise Westl. Staat. Nordam. 58 (1829) "*diospiros*"; nom. subnud. — Wikström in Jahresber. Schwed. Akad. Wiss. Fortschr. Bot. (ed. Beilschmied) 1830: 92, 96 (1834).

*Diospyros ciliata* Rafinesque, New Fl. N. Am. 3: 25 [1837].

*Diospyros lucida* hort. ex Dippel, Handb. Laubh. 1: 306 (1889), pro syn.

*Diospyros distyla* hort. ex Dippel, l. c. (1889), pro syn.  
*Persimon virginiana* Rafinesque ex B. D. Jackson in Index Kew. 2: 474 [1894], pro syn.

**D. virginiana** var. *pubescens* (Pursh) Rehder, Man. Cult. Trees Shrubs, ed. 2, 759 (1940).

*Diospyros pubescens* Pursh, Fl. Am. Sept. 1: 265 (1814).

*Diospyros virginiana* a. *pubescens* Dippel, Handb. Laubh. 1: 306 (1889).

**D. virginiana** var. *platycarpa* Sargent in Jour. Arnold Arb. 2: 168 (1921).

**D. Lotus** Linnaeus, Sp. Pl. 1057 (1753). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 587 (1916).

*Dactylus trapezuntinus* Forskål, Fl. Aegypt.-Arab. xxxvi (1775).

*Diospyros Kaki* β. *Thunberg*, Fl. Jap. 158 (1784).

*Diospyros Kaki* γ. *glabra* A. de Candolle in De Candolle, Prodr. 8: 229 (1844).

*Diospyros microcarpa* Siebold in Jaarb. Maatsch. Anmoed. Tuinb. 1844: 28 (1844), nom.; non Spanhoge (1835).

*Diospyros japonica* Siebold & Zuccarini in Abh. Math.-Phys. Kl. Akad. Wiss. Münch. 4, 3: 136 (Fl. Jap. Fam. Nat. 2: 12) (1846).

*Diospyros Umlovok* Griffith, Itin. Notes, 355, no. 137 (1848).

*Diospyros Pseudolotus* Naudin in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 3: 220 (1880).

**D. Kaki** Linnaeus f., Suppl. Pl. 439 (1781). — Hiern in Trans. Cambridge Philos. Soc. 12: 227 (Monog. Eben.) (1873). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 588 (1916).

*Diospyros chinensis* Blume, Cat. Een. Markw. Gewass. Buitenz. 110 (1823).

*Diospyros Schi-tse* in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 116 (Enum. Pl. Chin. Bor. 42. 1833) (1835).

*Embryopteris Kaki* G. Don, Gen. Hist. Dichlam. Pl. 4: 41 [1837].

*Diospyros Roxburghii* Carrière in Rev. Hort. 1872: 253, fig. 28–29 (1872).

*Diospyros Kaki* β. *domestica* Makino in Bot. Mag. Tokyo, 22: 159 (1908).

**D. Kaki** var. *costata* (Carr.) André in Ill. Hort. 18: 176, t. 78 (1871). — Mouillefert, Traité Arb. Arbriss. 2: 969 [1896].

*Diospyros costata* Carrière in Rev. Hort. 1870: 131, fig. 24 (1870).

**D. Kaki** var. *Mazelii* (Carr.) Mouillefert, Traité Arb. Arbriss. 2: 969 [1896].

*Diospyros Mazelii* Carrière in Rev. Hort. 1874: 70, t. (1874).

**D. Kaki** var. *silvestris* Makino in Tokyo Bot. Mag. 22: 159 (1908). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 590 (1916). — Rehder in Jour. Arnold Arb. 15: 295 (1934).

*Diospyros Argyi* Léveillé in Mem. Acad. Ci. Art. Barcelon. ser. 3, 12: 550 (Cat. Pl. Kiang-Sou, 10) (1916).

**D. armata** Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 69 (1889). — Rehder & Wilson in Sargent, Pl. Wilson. 2: 591 (1916).

**Diospyros** (*continued*)

- D. sinensis** Hemsley in op. cit. 71 (1889).—Rehder & Wilson, l. c. (1916).  
*Diospyros armata* sensu Diels in Bot. Jahrb. **29**: 585, fig. 4 (1900), non Hemsley (1889).

Fam. **SYMPLOCACEAE**

- SYMPLOCACEAE Loudon, Arb. Brit. **2**: 1186 (1838).—Miers in Lindley, Veg. Kingd. ed. 3, 593 (1853).—Brand in Engler, Pflanzenreich, IV. **242** (Heft 6) 100 pp., ill. (1901).  
*Guaiacanae* Jussieu, Gen. Pl. 155 (1789), p. p.  
*Styracinae* Richard ex Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Sp. **3**: 256 (fol. ed. 201) (1818), p. p. quoad *Symplocos*.  
*Symplocineae* D. Don, Prodr. Fl. Nepal. 144 (1825), exclud. *Schoepfia*.  
*Symploceae* Dumortier, Anal. Fam. Pl. 27 (1829).—Endlicher, Gen. Pl. 744 [1839].  
*Styracaceae* a. *Styracaceae* Horaninov, Prim. Lin. Syst. Nat. 71 (1834), p. p. quoad *Symplocos*.  
*Sapotaceae* 3. *Sapoteae* γ. *Mimusopeae* Reichenbach, Handb. Nat. Pflanzensyst. 215 (1837), p. p. quoad *Symplocos*.  
*Styracaceae* trib. *Symploceae* A. de Candolle in De Candolle, Prodr. **8**: 246 (1844).  
*Halesiaceae* b. *Symploceae* Horaninov, Char. Ess. Fam. Reg. Veg. 102 (1847).

- SYMPLOCOS** Jacquin, Enum. Syst. Pl. Carib. 5 (1760).—Bentham & Hooker f., Gen. Pl. **2**: 668 (1876).—Brand in Engler, Pflanzenreich, IV. **242** (Heft 6): 13 (1901).  
*Bobu* Adanson, Fam. Pl. **2**: 88 (1763).  
*Hopea* Garden ex Linnaeus, Mant. Pl. 105 (1767).  
*Ciponima* Aublet, Hist. Pl. Guian. Franç. 567 (1775).  
*Alstonia* Mutis ex Linnaeus f., Suppl. Pl. 39 (1781).  
*Dicalix* Loureiro, Fl. Cochinch. 663 (1790).—Hasskarl, Cat. Hort. Bogor. Alt. 209 (1844) "*Dicalyx*."  
*Palura* Buchan.-Hamilton ex D. Don, Prodr. Fl. Nepal. 145 (1825), pro syn.—Miers in Jour. Linn. Soc. Lond. Bot. **17**: 297 (1879).  
*Epigenia* Vellozo, Fl. Flumin. 183 (1825).  
*Mongezia* Vellozo, op. cit. 229 (1825).  
*Barberina* Vellozo, op. cit. 235 (1825).  
*Bobua* De Candolle, Prodr. **3**: 23 (1828).  
*Sariava* Reinwardt in Syll. Pl. Nov. Soc. Bot. Ratisb. **2**: 12 (1828).  
*Stemmatosiphum* Pohl, Pl. Brasil. Icon. **2**: 86 (1831).  
*Symplocos* sect. *Palura* G. Don, Gen. Hist. Dichlam. Pl. **4**: 3 (1837).  
*Lodhra* Guillemain in Ann. Sci. Nat. Bot. sér. 2, **15**: 161 (1841).—Miers in Jour. Linn. Soc. Lond. Bot. **17**: 297 (1879).  
*Sympleura* Miers ex Lindley, Veg. Kingd. ed. 2, 593a (1847).  
*Scyrtocarpus* Miers, l. c. (1847), pro syn.; in Jour. Linn. Soc. Lond. Bot. **17**: 292 (1879) "*Scyrtocarpa*," pro syn.  
*Cordyloblaste* Moritz in Bot. Zeitung, **6**: 604 (1848).  
*Carlea* K. Presl, Epimel. Bot. 216 [1852].  
*Hypopogon* Turczaninov in Bull. Soc. Nat. Moscou, **31**, **1**: 246 (1858).  
*Chasseloupia* Vieillard in Bull. Soc. Linn. Normandie, **10**: 101 (1866).  
*Protohopea* Miers in Jour. Linn. Soc. Lond. Bot. **17**: 289 (1880).  
*Prealstonia* Miers in op. cit. 291 (1880).

*Eugenioides* Kuntze, Rev. Gen. Pl. **2**: 409, 975 (1891).  
 Typus: *S. martinicensis* Jacq.

- S. paniculata** (Thunb.) Miquel in Ann. Mus. Bot. Lugd.-Bat. **3**: 102 (Prol. Fl. Jap. 266) (1867).—Rehder in Sargent, Pl. Wilson. **2**: 593 (1916); in Jour. Arnold Arb. **15**: 297 (1934).  
*Prunus paniculata* Thunberg, Fl. Jap. 200 (1784).  
*Symplocos crataegoides* Buchan.-Hamilton ex D. Don, Prodr. Fl. Nepal. 145 (1825).—Brand in Engler, Pflanzenreich, IV. **242** (Heft 6): 33 (1901).  
*Symplocos paniculata* Wallich ex D. Don, l. c. (1825), pro syn.—Wallich, Num. List. no. 4429 [1830], nom.  
*Symplocos odorata* Buchan.-Hamilton ex D. Don, l. c. (1825), pro syn.  
*Lodhra crataegoides* Decaisne in Jacquemont, Voy. l'Inde, **4**: 103, t. 110 (1844).  
*Symplocos pallida* Franchet & Savatier, Enum. Pl. Jap. **1**: 308 (1875).  
*Symplocos crataegoides* var. *pallida* Franchet & Savatier, op. cit. **2**: 433 [1878].  
*Cotoneaster coreanus* Léveillé in Repert. Sp. Nov. Reg. Veg. **11**: 64 (1912).  
*Prunus Mairei* Léveillé in Bull. Intern. Géog. Bot. **25**: 45 (1915).  
*Crataegus Lyi* Léveillé, Fl. Kouy-Tchéou, 346 (1915).  
*Prunus Lyi* Blin ex Léveillé, l. c. (1915), pro syn.  
*Palura paniculata* Nakai, Trees Shrubs Jap. **1**: 229, t. 128 (1922).  
**S. chinensis** (Lour.) Druce in Rep. Bot. Exch. Club Brit. Isles, **1916**: 650 (1917).—Desvaux mss. ex Merrill in Philipp. Jour. Sci. **15**: 252 (1919).  
*Myrtus chinensis* Loureiro, Fl. Cochinch. 313 (1790).  
*Symplocos sinica* Ker in Bot. Reg. **9**: t. 710 (1823).—Brand in Engler, Pflanzenreich, IV. **242** (Heft 6): 34 (1901).  
*Palura sinica* Miers in Jour. Linn. Soc. Lond. Bot. **17**: 297 (1879).  
*Palura chinensis* Koidzumi in Bot. Mag. Tokyo, **43**: 397 (1929).  
**S. tinctoria** (L.) L'Héritier in Trans. Linn. Soc. Lond. **1**: 176 (1791).—Gray, Syn. Fl. N. Am. **2**, **1**: 70 (1878).—Sargent, Silva N. Am. **6**: 15, t. 255, 256 (1894).  
*Hopea tinctoria* Linnaeus, Mant. Pl. 105 (1767).—Michaux f., Hist. Arb. For. Am. Sept. **3**: 61, t. 9 (1813).  
*Hypericum laurocerasifolium* Jacquin, Obs. Bot. **3**: 4 (1768).  
*Protohopea tinctoria* Miers in Jour. Linn. Soc. Lond. Bot. **17**: 290 (1879).  
*Eugenioides tinctorium* Kuntze, Rev. Gen. Pl. **2**: 976 (1891).

Fam. **STYRACACEAE**

- STYRACACEAE A. de Candolle, Prodr. **8**: 244 (1844), exclud. trib. 1.—Perkins in Engler, Pflanzenreich, IV. **241** (Heft 30): 1–111, fig. (1907).—Nom. Conserv.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936).  
*Guaiacanae* Jussieu, Gen. Pl. 155 (1789), p. p.  
*Styracinae* Richard ex Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Spec. **3**: 256 (fol. ed. 201) (1818), exclud. *Symplocos*.  
*Styracaceae* [L. C. Richard, Demonst. Bot. Anal. Fruit, **48** (1808) "Styracées."—] Lindley, Introd. Nat. Syst. Bot. 179 (1830).—Miers in Lindley, Veg. Kingd. ed. 3, 593a (1853).

- Ebenaceae* trib. *Styraceae* Duby in De Candolle, Bot. Gall. ed 2, 320 (1828).
- Halesiaceae* D. Don in Edinb. New Philos. Jour. 6: 49 (Dec. 1828), nom. subnud. — G. Don, Gen. Syst. Dichlam. Pl. 4: 6 (1837). — *Halesia* tantum.
- Styracineae* Dumortier, Anal. Fam. Pl. 29 (1829), nom. subnud. — G. Don, op. cit. 3 (1837). — *Styrax* tantum.
- Styraceae* a. *Styraceae* Horaninov, Prim. Lin. Syst. Nat. 71 (1834), p. p. typ.
- Sapotaceae* 3. *Sapoteae* b. *Styraceae* Reichenbach, Handb. Nat. Pflanzensyst. 214 (1837), p. p. typ.
- Halesiaceae* a. *Halesiae* Horaninov, Tetractys Nat. 26 (1843), nom.; Char. Ess. Fam. Reg. Veg. 102 (1847), *Styrax* exclus.
- Sapotaceae* a. *Styraceae* Horaninov, Char. Ess. Fam. Reg. Veg. 117 (1847), p. p. quoad *Styrax*.
- STYRAX** Linnaeus, Sp. Pl. 444 (1753); Gen. Pl. ed. 5, 203, no. 527 (1754). — Bentham & Hooker f., Gen. Pl. 2: 669 (1876). — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 17 (1907).
- Cyrtia* Loureiro, Fl. Cochinch. 278 (1790).
- Foveolaria* Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 57, t. 9 (1794).
- Strigilia* Cavanilles, Monadelph. Class. Diss. 7: 358, t. 201 (1798).
- Tremanthus* Persoon, Syn. Pl. 1: 467 (1805).
- Adnaria* Rafinesque, Fl. Ludovic. 56 (1817). — Camp in Castanea, 6: 80 (1941), pro syn.
- Benzoin* Hayne, Getr. Darst. Beschr. Arzneik. Gew. 11: t. 24 (1829); Darst. . . . ed. Brand & Ratzeburg, 4: 47, t. (1848); non Fabricius (1763).
- Darlingtonia* Torrey in Proc. Am. Acad. Adv. Sci. 4: 191 (1851); in Smithson. Inst. Contrib. Knowl. 6, 4: 4 [1853], pro syn. — L. C. Wheeler in Bull. S. Calif. Acad. Sci. 44: 94 (1946), pro syn. — Non De Candolle (1825), nec Torrey [1853].
- LECTOTYPUS: *S. officinalis* L.
- S. americana** Lamarck, Encycl. Méth. Bot. 1: 82 (1783). — Gray, Syn. Fl. N. Am. 2, 1: 71 (1878). — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 75 (1907) "*americanus*."
- Styrax laeve* Walter, Fl. Carol. 140 (1788).
- Styrax glabrum* Cavanilles, Monadelph. Cl. Diss. 6: 340, t. 188, fig. 1 (1788).
- Styrax laevigatum* Aiton, Hort. Kew. 2: 75 (1789).
- Styrax octandrum* L'Héritier, Strip. Nov. 2: t. 17 ex Aiton, Hort. Kew. 2: 75 (1789), pro syn.
- Adnaria odorata* Rafinesque, Fl. Ludovic. 56 (1817).
- Halesia parviflora* sensu Lindley in Bot. Reg. 11: t. 952 (1825), non Michaux (1803).
- Styrax americanus* f. a. *genuinus* Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 76 (1907).
- S. americana** f. *pulverulenta* (Michx.) Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 76 (1907) "*americanus* f. *β. pulverulentus*."
- Styrax pulverulentum* Michaux, Fl. Bor.-Am. 2: 41 (1803).
- Styrax americana* var. *pulverulenta* Rehder in Bailey, Stand. Cycl. Hort. 6: 3280 (1917).
- S. Wilsonii** Rehder in Sargent, Pl. Wilson. 1: 293 (1912, Apr.). — Rolfe in Bot. Mag. 138: t. 8444 (1912, July).
- S. japonica** Siebold & Zuccarini, Fl. Jap. 1: 53, t. 23 [1835]. — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 73 (1907) "*japonicus*." — Rehder in Jour. Arnold Arb. 15: 295 (1934); 18: 233 (1937).
- Cyrtia japonica* Miers in Ann. Mag. Nat. Hist. ser. 3, 3: 279 (1859); Contrib. Bot. 1: 182 [1861?].
- Styrax serrulatum* sensu Hooker f. in Bot. Mag. 93: t. 5950 (1872), non Roxburgh (1832).
- Styrax Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. 4: 332 (1907).
- S. grandifolia** Aiton, Hort. Kew. 2: 75 (1789). — J. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2, 1: 699 (1791), sphalm. "*grandiflorum*" in indice tantum (2, 2: 1633). — Michaux, Fl. Bor.-Am. 2: 41 (1803), sphalm. "*S. grandiflorum*." — Gray, Syn. Fl. N. Am. 2, 1: 72 (1878). — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 82 (1907) "*grandifolius*." — Rehder in Jour. Arnold Arb. 15: 296 (1934); 18: 233 (1937).
- Styrax officinale* sensu Walter, Fl. Carol. 140 (1788), non Linnaeus (1753).
- Styrax Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 4: 331 (1907).
- Styrax touchanensis* Léveillé in op. cit. 11: 64 (1912).
- S. Obassia** Siebold & Zuccarini, Fl. Jap. 1: 93, t. 46 [1835]. — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 77 (1907). — Nakai, Fl. Sylv. Kor. 13: 45, t. 13 (1923).
- S. Hemsleyana** Diels in Bot. Jahrb. 29: 530 (1901). — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 70 (1907) "*Hemsleyanus*."
- S. Veitchiorum** Hemsley & Wilson in Kew Bull. 1906: 161 (1906). — Perkins in op. cit. 69 (1907).
- S. dasyantha** Perkins in Bot. Jahrb. 31: 485 (1902) "*dasyanthus*"; in Engler, Pflanzenreich, IV. 241 (Heft 30): 31 (1907).
- S. Shiraiana** Makino in Bot. Mag. Tokyo, 12: 50 (1898). — Perkins in op. cit. 70, fig. 9 (1907) "*Shiraianus*."
- Strigilia Shiraiana* Nakai, Trees Shrubs Jap. 1: 255, fig. 141 (1922).
- HALESIA** Ellis ex Linnaeus, Syst. Nat. ed. 10, 2: 1044 (1759). — Bentham & Hooker f., Gen. Pl. 2: 699 (1876), exclud. gen. *Pterostyrax*. — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 94 (1907). — Non P. Brown (1756), nec Jacquin (1760). — NOM. CONSERV. PROPOS. cf. Little in Madroño, 7: 250 (1944).
- Hillia* Boehmer ex Ludwig, Defin. Gen. Pl. 71 (1760).
- Halia* St.-Lager in Ann. Soc. Bot. Lyon, 8: 175 (1881).
- Halesia* sect. *Euhalesia* Gürke in Nat. Pflanzenfam. IV. 1: 177 (1891).
- Mohria* Britton in Gard. & For. 6: 434 (1893, Oct. 18), non Swartz (1806), genus Filic.
- Carlomohria* Greene in Erythea, 1: 236 (1893, Nov. 3).
- Mohrodendron* Britton in Gard. & For. 6: 463 (1893, Nov. 8). — Sargent, Silva N. Am. 6: 19, t. 257 (1904).
- TYPE: *Halesia carolina* Linnaeus.
- H. carolina** Linnaeus, Syst. Nat. ed. 10, 2: 1044 (1759). — Perkins in Engler, Pflanzenreich, IV. 241 (Heft 30): 94, fig. 15 (1907).
- Halesia tetraptera* Ellis in Philos. Trans. Roy. Soc. Lond. 51: 932, t. 25, fig. A (1761). — Gray, Syn. Fl. N. Am. 2, 1: 71 (1878).
- Halesia stenocarpa* K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. 1: 190 (1858).
- Mohria carolina* Britton in Gard. & For. 6: 434 (1893, Oct. 18).
- Mohrodendron carolinum* Britton in op. cit. 463 (1893, Nov. 8). — Sargent, Silva N. Am. 6: 21, t. 257, 258 (1894).
- Carlomohria Carolina* Greene in Erythea, 1: 246 (1893, Dec.).



**Halesia carolina** (*continued*)

- Halesia tetraptera* var. *a. glabrescens* Lange in Bot. Tidsskr. **19**, 1: 257, fig. 1 (1894).
- Halesia tetraptera* f. *laevigata* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 405 (1903), nom.
- Halesia carolina* var. *glabrescens* Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 96 (1907).
- Halesia carolina* var. *laevigata* Hort. ex Perkins, l. c. (1907), nom.
- Halesia carolina* var. *stenocarpa* Koch ex Bean, Trees Shrubs Brit. Isl. **1**: 603 (1914).
- H. carolina** f. *dialypetala* (Rehd.) Schneider, Ill. Handb. Laubh. **2**: 583 (1911). — Rehder in Bailey, Stand. Cycl. Hort. **3**: 1429 (1915) "var."
- Halesia tetraptera* f. *dialypetala* Rehder in Mitt. Deutsch. Dendr. Ges. **1907**(16): 75 [1908].
- H. carolina** var. *mollis* (Lange) Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 97 (1907).
- Halesia tetraptera* var. *β. mollis* Lange in Bot. Tidsskr. **19**, 1: 258, fig. 2a-g (1894).
- H. carolina** var. *Meehani* (Sarg.) Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 97 (1907) "*Meehanii*."
- Halesia tetraptera* var. *Meehani* C. S[argent] in Gard. & For. **5**: 534, 611, fig. 91 (1892).
- Halesia Meehani* Meehan ex S[argent], l. c., (1892), pro syn.
- Mohrodendron carolinum* var. *Meehani* Sargent, Silva N. Am. **6**: 22 (1894).
- Mohrodendron Meehani* Sargent ex Sudworth in U. S. Dept. Agric. For. Serv. Bull. **14**: 323 (Nomencl. Arb. Fl. U. S.) (1897).
- H. monticola** (Rehd.) Sargent in Jour. Arnold Arb. **2**: 171 (1921); Man. Trees N. Am. ed. 2, 826, fig. 733 (1922).
- Halesia carolina* var. *monticola* Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 260 [1914].
- H. monticola** var. *vestita* Sargent, l. c. (1921).
- H. monticola** f. *rosea* Sargent, op. cit. 172 (1921) "var. *vestita* f. *r.*" — Teuscher in Jour. New York Bot. Gard. **37**: 136, fig. 2 (1936) "var."
- Halesia diptera** Ellis in Philos. Trans. Roy. Soc. Lond. **51**: 931, t. 22, fig. b (1761). — Gray, Syn. Fl. N. Am. **2**, 1: 71 (1878). — Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 97, fig. 16 (1907).
- Halesia reticulata* Buckley in Proc. Acad. Nat. Sci. Philad. **1860**: 444 (1861).
- Mohria diptera* Britton in Gard. & For. **6**: 434 (1893, Oct. 18).
- Mohrodendron dipterum* Britton in op. cit. 463 (1893, Nov. 8). — Sargent, Silva N. Am. **6**: 23, t. 259 (1894).
- Carlomohria diptera* Greene in Erythraea, **1**: 246 (1893, Dec.).
- REHDERODENDRON** Hu in Bull. Fan Mem. Inst. Biol. **3**: 78 (1932). — Chun in Sunyatsenia, **3**: 29 (1935).  
TYPUS: *R. macrocarpum* Hu.
- R. macrocarpum** Hu, l. c. (1932); in Hu & Chun, Icon. Pl. Sin. **5**: 45, t. 245 (1937).
- SINOJACKIA** Hu in Hu & Chun, Icon. Pl. Sin. **2**: 48, t. 98 (1929).  
TYPUS: *S. xylocarpa* Hu.
- S. xylocarpa** Hu, l. c. t. 98 (1898); in New Fl. & Silva, **12**: 150, fig. 63 (1940).

**S. Rehderiana** Hu in Jour. Arnold Arb. **11**: 227 (1930); in Hu & Chun, Icon. Pl. Sin. **4**: 49, t. 199 (1935).

**PTEROSTYRAX** Siebold & Zuccarini, Fl. Jap. **1**: 96, t. 47 [1839]. — Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 99 (1907).

*Halesia* Benth. & Hooker f., Gen. Pl. **2**: 669 (1876), p. p. quoad syn. *Pterostyrax*.

*Halesia* sect. *Pterostyrax* Gürke in Nat. Pflanzenfam. IV. **1**: 177 (1891).

TYPUS: *P. corymbosus* Sieb. & Zucc.

**P. hispida** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **43**: 132 (Fl. Jap. Fam. Nat. **2**: 8) (1846) "*hispidum*." — Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 102, fig. 18 (1907) "*hispidus*."

*Pterostyrax micranthum* Siebold & Zuccarini, l. c. (1846). — Nakai, Trees Shrubs Jap., rev. ed., **1**: 332, fig. 155 (1927).

*Halesia hispida* [Masters] in Gard. Chron. ser. 2, **22**: 176, fig. 34 (1884). — Nicholson, Ill. Dict. Gard. **2**: 110, fig. 166, 167 (1885).

**P. corymbosa** Siebold & Zuccarini, Fl. Jap. **1**: 96, t. 47 [1839] "*corymbosum*." — Perkins in Engler, Pflanzenreich, IV. **241**(Heft 30): 100, fig. 17 (1907) "*corymbosus*."

*Halesia corymbosa* Nicholson, Ill. Dict. Gard. **2**: 109 [1885].

**Fam. OLEACEAE**

OLEACEAE Lindley, Introd. Nat. Syst. Bot. **224** (1830), *Jasminoideae* exclus. — Benth. & Hooker f., Gen. Pl. **2**: 672 (1876).

Subfam. **I. OLEOIDEAE** Knoblauch in Nat. Pflanzenfam. IV. **2**: 5 [1902].

*Oleaceae* Lindley, l. c. (1830), sensu stricto. — De Candolle, Prodr. **8**: 273 (1844).

*Oleinae* G. Don, Gen. Syst. Dichlam. Pl. **4**: 43 (1837).

Trib. **1. FRAXINEAE** Benth. & Hooker f., Gen. Pl. **2**: 673 (1876).

*Oleinae* b. *Fraxineae* Bartling, Ord. Nat. Pl. **218** (1830) "*Fraxinea*"; *Fontanesia* exclus.

*Fraxineae* Martius, Consp. Reg. Veg. **44** (1835), nom. subnud.; *Fontanesia* exclus.

*Sapotaceae* l. *Jasmineae* a. *Oleinae* Reichenbach, Handb. Nat. Pflanzensyst. **213** (1837), p. p.

*Oleinae* trib. *Fraxinieae* G. Don, Gen. Syst. Dichlam. Pl. **4**: 44, 53 (1837) "trib."; *Fontanesia* exclus.

*Oleaceae* trib. *Lilaceae* Koch, Syn. Fl. Germ. Helv. **482** (1837), p. p. quoad *Fraxinus*.

*Oleaceae* sect. *Fraxineae* Loudon, Arb. Brit. **2**: 1198 (1838).

**FONTANESIA** Labillardière, Icon. Pl. Syr. **1**: 9, t. 1 (1791). — Benth. & Hooker f., Gen. Pl. **2**: 676 (1876). — Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 7 (1920).

*Desfontainesia* Hoffmannsegg, Verzeich. Pflanzenkult. **56**, 170 (1824), non *Desfontainea* Ruiz & Pavon (1794).

TYPUS: *F. phillyreoides* Labill.

**F. Fortunei** Carrière in Rev. Hort. **1859**: 43, fig. 9 (1859). — Schneider, Ill. Handb. Laubh. **2**: 809, fig. 511a-d (1911). — Rehder in Jour. Arnold Arb. **15**: 302 (1934).

*Fontanesia phillyraeoides* var. *sinensis* Debeaux in Act. Soc. Linn. Bordeaux, **30**: 93 (Contr. Fl. Chine II. Fl. Shanghai, 41) (1875).

- Fontanesia chinensis* Hance in Jour. Bot. **17**: 136 (1879).  
*?Fontanesia phillyreoides* a. *longifolia* Dippel, Handb. Laubh. **1**: 103, fig. 58 (1889).  
*Fontanesia californica* hort. ex Dippel, op. cit. (1889), pro syn.  
*Fontanesia phillyreoides* f. *Fortunei* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 405 (1903).—Koehne ex Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 9, fig. 1c, d (1920) "var.  $\beta$ ."  
*Fontanesia Argyi* in Mem. Acad. Ci. Art. Barcelona, ser. 3, **12**(no. 22): 557 (Cat. Pl. Kiang-Sou, 17) (1916).
- F. phillyreoides** Labillardière, Icon. Pl. Syr. **1**, **1**: 9, t. 1 (1791).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 8 (1920).  
*Desfontanesia phillyreoides* Hoffmannsegg, Verzeich. Pflanzenkult. 56, 170 (1824).  
*Fontanesia angustifolia* Dippel, Handb. Laubh. **1**: 104, fig. 59 (1889).  
*Fontanesia phillyreoides* var. *angustifolia* Rehder in Bailey, Cycl. Am. Hort. **[2]**: 595 (1900).—Schelle in Beissner et al., Handb. Laubh.-Ben. 405 (1903) "f."  
*Fontanesia phillyreoides* var. *a. mediterranea* Lingelsheim in Engler, Pflanzenreich, IV **243**(Heft 72): 8, fig. 1A, B (1920).
- ABELIOPHYLLUM** Nakai in Bot. Mag. Tokyo, **33**: 153 (1919); Fl. Sylv. Kor. **10**: 59 (1921).  
 Typus: *A. distichum* Nakai.
- A. distichum** Nakai, l. c. (1919); l. c. t. 26 (1921).
- FRAXINUS** Linnaeus, Sp. Pl. 1057 (1753); Gen. Pl. ed. 5, 447, no. 1026 (1754).—Bentham & Hooker f., Gen. Pl. **2**: 676 (1876).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 9 (1920).—Schmucker in Silvae Orbis, **5**: maps 219–227 (1942).  
*Fraxinoides* Medikus in Vorles. Kurpf. Phys.-Oekon. Ges. **1**: 198 (1791); Phil. Bot. **2**: 38 (1791).  
 LECTOTYPUS: *F. excelsior* L.
- Sect. **I. ORNUS** [Neck.] A. de Candolle in De Candolle, Prodr. **8**: 274 (1844).—Dippel, Handb. Laubh. **1**: 61 (1889) "subgen."—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 11 (1920).—Nakai, Fl. Sylv. Kor. **10**: 23 (1921).  
*Ornus* Necker, Elem. Bot. **2**: 198 (1791).—Pursh, Fl. Am. Sept. **1**: 8 (1814).  
*Fraxinus* † † *Ornus* Persoon, Syn. Pl. **2**: 605 (1807).  
*Mannophorus* Rafinesque in Am. Monthly Mag. **2**: 175 (1818).  
*Ornanthes* Rafinesque, New Fl. N. Am. **3**: 93 [1837], p. p.
- Subsect. **1. EUORNUS** (Koehne & Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 11 (1920).  
*Fraxinus* subgen. *Ornus* sect. *Euornus* Koehne & Lingelsheim in Mitt. Deutsch. Dendr. Ges. **1906**(15): 66 [1907].
- F. Ornus** Linnaeus, Sp. Pl. 1057 (1753).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 16 (1920).  
*Fraxinus paniculata* Miller, Gard. Dicht. ed. 8, *F.* no. 4 (1768).  
*Fraxinus florifera* Scopoli, Fl. Carniol. ed. 2, **2**: 282 (1772).  
*Fraxinus montana* Salisbury, Prodr. Stirp. Chap. Allert. **14** (1796).  
*Ornus europaea* Persoon, Syn. Pl. **1**: 9 (1805).  
*?Fraxinus cappadocica* [Jussieu ex Bosc in Mém. Cl. Sci. Math.-Phys. Inst. Nat. France, **1808**: 217 (Notice Agr. Frênes) (1809) "Frêne de Capadoce."—Jussieu ex Roemer & Schultes, Syst. Veg. Add.-2 ad Mant. **2**, p. 260 (1827).  
*Ornus cappadocica* A. Dietrich in Linnaeus, Sp. Pl. ed. 6, **1**: 249 (1831).  
*Fraxinus Theophrasti* Steudel, Nomencl. Bot. **1**: 647 (1840), pro syn.  
*Ornus florifera* Hort. ex Steudel, l. c. (1840), pro syn.  
*?Fraxinus millelacuum* Koch in Linnaea, **23**: 597 (1850).  
*Fraxinus thyrsantha* St.-Lager in Ann. Soc. Bot. Lyon, **7**: 126 (1880).  
*Ornus Ornus* Karsten, Deutsche Fl. 1045 [1882].  
*Fraxinus floribunda* Hort. ex Dippel, Handb. Laubh. **1**: 69 (1889), non Wallich (1829).  
*Fraxinus Ornus* var. *a. typica* Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 17 (1920).  
*Fraxinus botryoides* Miller ex Lingelsheim, l. c. (1920), pro syn.
- F. Ornus** var. *juglandifolia* Tenore, Syll. Pl. Vasc. Fl. Neap. **10** (1831).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 18 (1920).  
*Fraxinus petiolata* Boissier & Kotschy in Boissier, Diagn. Pl. Nov. Or. sér. 2, **3**: 119 (1886).  
*Fraxinus Ornus* a. *latifolia* Ait. ex Dippel, Handb. Laubh. **1**: 69 (1889), p. p.
- F. Ornus** var. *rotundifolia* (Lam.) Tenore, Syll. Pl. Vasc. Fl. Neap. **10** (1831).—Wesmael in Bull. Soc. Bot. Belg. **31**: 78 (Monog. Fraxinus, 10) (1892) "subsp."—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 18 (1920).  
*Fraxinus rotundifolia* Lamarck, Encycl. Méth. Bot. **2**: 546 (1790), non Miller (1768).  
*?Fraxinus Ornus Americana* Bosc in Mém. Cl. Sci. Math. Phys. Inst. France (Acad. Sci. [Paris]) **1808**: 217 (Notice Agr. Frênes) (1809).  
*?Ornus americana* Pursh, Fl. Am. Sept. **1**: 8 (1814).  
*Fraxinus mannifera* Hort. ex Steudel, Nomencl. Bot. **346** (1821), sphalm. "*mammifera*," pro syn.; op. cit. ed. 2, **1**: 647 (1840), pro syn.  
*Ornus mannifera* Hort. ex Steudel, op. cit. 575 (1821), sphalm. "*mammifera*," pro syn.; op. cit. ed. 2, **1**: 647 (1840), pro syn.  
*?Ornanthes mannifera* et *O. americana* Rafinesque in N. Fl. N. Am. **3**: 93 [1837].  
*Fraxinus calabrica* Hort. et *F. halepensis* Hort. ex Steudel, op. cit. ed. 2, **1**: 647 (1840), pro syn.
- F. Bungeana** De Candolle, Prodr. **8**: 275 (1844).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 24 (1920).  
*Fraxinus floribunda* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. **2**: 135 (Enum. Pl. Chin. Bor. 61. 1833) (1835), non Wallich (1820).  
*Fraxinus Bungeana* var. *parvifolia* Wenzig in Bot. Jahrb. **4**: 170 (1883).  
*Fraxinus Bungeana* b. *cerifera* Hort. ex Dippel, Handb. Laubh. **1**: 67, fig. 31 (1889).  
*Fraxinus parvifolia* (Wenzig) Lingelsheim in Bot. Jahrb. **40**: 214 (1907), non Lamarck (1786).  
*Fraxinus Dippeliana* Lingelsheim ex Späth, Kat. **1909–10**: 138 (1909), nom.
- F. raibocarpa** Regel in Act. Hort. Petrop. **8**: 685, t. 12 (1884).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 19, fig. 4A, B (1920).
- F. Mariesii** Hooker f. in Bot. Mag. **109**: t. 6678 (1883).—Lingelsheim in op. cit. 25 (1920).
- F. retusa** Champion in Hooker's Jour. Bot. **4**: 330 (1852).—Lingelsheim in op. cit. 22 (1920).

**Fraxinus** (*continued*)

- F. retusa** var. **Henryana** Oliver in Hooker's Icon. Pl. 10: t. 1930 (1890).  
*Fraxinus retusa* sensu Diels in Bot. Jahrb. 29: 530 (1890), non Champion (1852).
- F. Griffithii** C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 605 (1882).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 15 (1920).—Rehder in Jour. Arnold Arb. 15: 302 (1934).  
*Fraxinus floribunda* var. *integerrima* Wenzig in Bot. Jahrb. 4: 173 (1883).  
*Fraxinus bracteata* Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 84 (1889).  
*Fraxinus Eedenii* Boerlage & Koorders in Natuurk. Tijdschr. Ned. Ind. 56: 185, t. 1, 2 (1896).  
*Fraxinus philippinensis* Merrill in Publ. Bur. Gov. Lab. Philipp. Isl. 35(1905): 57 (New Notew. Philipp. Pl. IV.) [1906].  
*Fraxinus formosana* Hayata in Jour. Coll. Sci. Tokyo, 30: 189 (1911).  
*Fraxinus minute-punctata* Hayata in op. cit. 190 (1911).  
*Ligustrum Vanioti* Léveillé, Cat. Pl. Yun-Nan, 181 (1916).
- F. pubinervis** Blume, Mus. Bot. Lugd.-Bat. 1: 311 (1850).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 25 (1920).—Nakai, Trees Shrubs Jap. rev. ed., 1: 400, fig. 192 (1927).  
*Fraxinus obovata* Blume, l. c. (1850).  
*Fraxinus Bungeana* var. *pubinervis* Wenzig in Bot. Jahrb. 4: 170 (1883).  
*Fraxinus japonica* β. *pubinervis* Wesmael in Bull. Soc. Bot. Belg. 30: 86 (Monog. Fraxinus, 18) (1892).  
*Fraxinus satsumana* Koidzumi in Bot. Mag. Tokyo, 38: 92 (1924).
- F. floribunda** Wallich in Roxburgh, Fl. Ind. 1: 150 (1820).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 20, fig. 5 (1920).  
*Ornus floribunda* G. Don, Gen. Hist. Dichlam. Pl. 4: 57 (1838).  
*Fraxinus urophylla* Wallich, Num. List, no. 2835 [1830], nom.—De Candolle, Prodr. 8: 275 (1844).
- F. Paxiana** Lingelsheim in Bot. Jahrb. 40: 213 (1907); in Engler, Pflanzenreich, IV. 243(Heft 72): 22 (1920).  
*Fraxinus Paxiana* var. *a. typica* Lingelsheim, l. c. (1920).
- F. Spaethiana** Lingelsheim in op. cit. 215 (1907); in op. cit. 26 (1920).—Nakai, Trees Shrubs Jap. rev. ed., 1: 399, fig. 191 (1927).  
*Fraxinus Sieboldiana* sensu Dippel, Handb. Laubh. 1: 63, fig. 27 (1889), non Blume (1851).  
*Fraxinus serratifolia* hort. ex Dippel, l. c. (1889), pro syn.  
*Fraxinus stenocarpa* Koidzumi in Bot. Mag. Tokyo, 28: 287 (1914).
- F. longicuspis** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4,3: 169 (Fl. Jap. Fam. Nat. 2: 45) (1846).—Nakai, Trees Shrubs Jap. rev. ed., 1: 403, fig. 194 (1927).
- F. longicuspis** var. **Sieboldiana** (Bl.) Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 23, fig. c-e (1920).  
*Fraxinus Sieboldiana* Blume, Mus. Bot. Lugd.-Bat. 1: 311 (1850).  
*Fraxinus longicuspis* var. *a. Sieboldiana* f. *hortensis* Lingelsheim in op. cit. 24 (1920).
- F. cuspidata** Torrey, Bot. Bound. (in Emory, Rep. U. S. Mex. Bound. Surv. 2,1: 166 (1859).—Rehder in Proc. Am. Acad. Arts Sci. 53: 200 (1917).—Lingelsheim in op. cit. 26, fig. 1 (1920).  
*Ornus cuspidata* Nieuwland in Am. Midland Nat. 3: 187 (1914).
- F. cuspidata** var. **macropetala** (Eastw.) Rehder in Proc. Am. Acad. Arts Sci. 53: 201 (1917).  
*Fraxinus macropetala* Eastwood in Bull. Torrey Bot. Club, 30: 494 (1903).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 26, fig. 7 (1920).
- Subsect. 2. ORNASTER (Koehne & Lingels.) Lingelsheim in Bot. Jahrb. 40: 216 (1907, Aug.).  
*Fraxinus* subgen. *Ornus* sect. *Ornaster* Koehne & Lingelsheim in Mitt. Deutsch. Dendr. Ges. 1906(15): 66 [1907].
- F. chinensis** Roxburgh, Fl. Ind. 1: 150 (1820).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 28 (1920).  
*Fraxinus chinensis* var. *a. typica* Lingelsheim, l. c. fig. 8A (1920).
- F. chinensis** var. **acuminata** Lingelsheim in Bot. Jahrb. 40: 216 (1907); in Engler, Pflanzenreich, IV. 243(Heft 72): 30, fig. 8D (1920).  
*Fraxinus Koehneana* Lingelsheim in Bot. Jahrb. 40: 216 (1907).  
*Fraxinus Szaboana* Lingelsheim in op. cit. 217 (1907).
- F. chinensis** var. **rhynchophylla** (Hance) Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 86 (1889).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 29, fig. 8c (1920).  
*Fraxinus rhynchophylla* Hance in Jour. Bot. 7: 164 (1869).—Nakai, Fl. Sylv. Kor. 10: 24, t. 4, 5 (1921).  
*Fraxinus Bungeana* sensu Hance in Jour. Linn. Soc. Lond. Bot. 13: 83 (1873).—Maximowicz in Bull. Acad. Sci. St. Pétersb. 20: 432 (in Mém. Biol. 9: 396) (1875).—Non De Candolle (1844).  
*Fraxinus chinensis* sensu Herder in Act. Hort. Petrop. 1: 422 (1872), non Roxburgh (1820).  
*Fraxinus Ornus* var. *Bungeana* Hance in Jour. Bot. 13: 133 (1875).  
*Fraxinus xanthoxyloides* sensu Wenzig in Bot. Jahrb. 4: 188 (1883), non (Don) De Candolle (1844), p. p.
- Sect. II. FRAXINASTER De Candolle, Prodr. 8: 276 (1844).—Dippel, Handb. Laubh. 1: 73 (1889) "subgen."—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 32 (1920).
- Subsect. 1. SCIADANTHUS (Coss. & Dur.) Lingelsheim in Bot. Jahrb. 40: 219 (1907).  
*Fraxinus* sect. *Sciadanthus* Coss. & Durieu in Bull. Soc. Bot. France, 2: 367 (1855).—Dippel, Handb. Laubh. 1: 70 (1889) "subgen."
- F. xanthoxyloides** [Don] De Candolle, Prodr. 8: 275 (1844) "*xanthoxyloides*."—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 35 (1920).  
*Fraxinus xanthoxyloides* Wallich, Num. List, no. 2833 [1830], nom.  
*Ornus xanthoxyloides* G. Don, Gen. Hist. Dichlam. Pl. 4: 57 (1837).—Loudon, Arb. Brit. 2: 1246 (1838).  
*Fraxinus Moorcroftiana* Brandis, Forest Fl. Ind. 304 (1874).  
*Fraxinus oxyacanthifolia* hort. ex Dippel, Handb. Laubh. 1: 71 (1889).  
*Fraxinus xanthoxyloides* var. *a. dimorpha* Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 36, fig. 9E, F (1920), p. p.

- F. xanthoxyloides** var. **dimorpha** (Coss. & Dur.) Wenzig in Bot. Jahrb. **4**: 188 (1883).—Lingelsheim, l. c. (1920), p. p.  
*Fraxinus dimorpha* Cosson & Durieu in Bull. Soc. Bot. France, **2**: 367 (1855).
- F. xanthoxyloides** f. **dumosa** (Carr.), grad. nov.  
*Fraxinus dimorpha dumosa* Carrière in Rev. Hort. **1865**: 325 (1865).  
*Fraxinus xanthoxyloides* var.  $\beta$ . **dumosa** Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 36 (1920).
- Subsect. 2. **PETLOMELIA** (Nieuwl.) Rehder in Jour. Arnold Arb. **27**: 173 (1946).  
*Fraxinus* sect. *Fraxinaster* subsect. *Dipetalae* Lingelsheim in Bot. Jahrb. **40**: 215 (1907).  
*Petlommelia* Nieuwland in Am. Midland Nat. **3**: 187 (1914).
- F. dipetala** Hooker & Arnott in Bot. Beechey Voy. 362, t. 87 (1841).—Sargent, Silva N. Am. **6**: 31, t. 261 (1894).  
*Petlommelia dipetala* Nieuwland, op. cit. 188 (1914).  
*Fraxinus dipetala* var.  $\alpha$ . **typica** Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 32 (1920).
- Subsect. 3. **MELIOIDES** (Endlich.) Lingelsheim in Bot. Jahrb. **40**: 219 (1907).—Whelden in Jour. Arnold Arb. **15**: 118, fig. (1934) "sect."  
*Calycomelia* Kosteletzky, Allg. Med.-pharm. Fl. **3**: 1003 (1834).—Nieuwland in Am. Midland Nat. **3**: 186 (1914).  
*Samaropsis* Rafinesque, New Fl. N. Am. **3**: 93 [1837].  
*Leptalis* Rafinesque, l. c. [1837]; Alsogr. Am. 31 (1838).  
*Fraxinus* subgen. *Platoneus* Rafinesque, op. cit. 35 (1838), nom. tentat.  
*Fraxinus* b. *Melioides* Endlicher, Gen. Pl. 573 [1838].  
*Meliopsis* Reichenbach, Repert. Herb.; Nomencl. Gen. Pl. (Der Deutsche Bot. i.) 135 (1841), nom.  
*Fraxinus* Untergatt. *Fraxinaster* Zweig *Chlamidanthae* Dippel, Handb. Laubh. **1**: 73 (1889).  
*Fraxinus* sect. *Leptalis* Wesmael in Bull. Soc. Bot. Belg. **31**: 104 (Monog. *Fraxinus*, 36) (1892), p. p.—Koehne, Deutsche Dendr. 509 (1893) "subgen."
- F. americana** Linnaeus, Sp. Pl. 1057 (1753).—Sargent, Silva N. Am. **6**: 43, t. 268, 269 (1894).—Lingelsheim in Engler, Pflanzenreich, IV. **243**(Heft 72): 37 (1920).  
*Fraxinus Nova Anglia* Miller, Gard. Dict. ed. 8, F. no. 5 (1768).  
*Fraxinus alba* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 13 [1782], nom.—Ludwig, Neu. Wilde Baumz. 20 (1783), nom.—Marshall, Arbust. Am. 51 (1785).  
? *Fraxinus integrifolia* Gordon, Dermer & Edmonds, l. c. [1782?], nom.—Ludwig, l. c. (1783).—Moench, Verz. Ausl. Bäume Weissenst. 43 (1785).  
*Fraxinus juglandi-folia alba* W. Young, Cat. Arb. Arbust. Am. 9 (1783), nom.  
*Fraxinus acuminata* Lamarck, Encycl. Méth. Bot. **2**: 547 (1786).  
*Fraxinus caroliniensis* Wangenheim, Beytr. Teutsch. Forstger. Forstwiss. Nordam, Holzart. 81 (1787).  
*Fraxinus canadensis* Gaertner, Fruct. Sem. **1**: 222, t. 49 (1788).  
*Fraxinus Novae Angliae* Pott in Du Roi, Harbk. Wilde Baumz. ed. 2, **1**: 404 (1795), non Du Roi (1771).  
*Fraxinus epiptera* Michaux, Fl. Bor.-Am. **2**: 256 (1803).  
*Fraxinus discolor* A. americana Muhlenberg, Cat. Pl. Am. Sept. 96 (1813), nom.  
*Fraxinus Americana* var. **latifolia** Loudon, Arb. Brit. **2**: 1232 (1838).
- Leptalis glauca*, *L. acuminata*, *L. epiptera* Rafinesque, Alsogr. Am. 33 (1838), nom. altern.  
*Calycomelia americana* Kosteletzky, Allg. Med.-pharm. Fl. **3**: 1004 (1834).  
*Calycomelia acuminata* Kosteletzky, l. c. (1834).  
*Calycomelia epiptera* Kosteletzky, Ind. Pl. Hort. Bot. Prag. 26 (1844).  
*Fraxinus americana* subsp. **typicum** var. **normale** Wesmael in Bull. Soc. Bot. Belg. **3**: 107 (Monog. *Fraxinus*, 39) (1892).  
*Fraxinus americana* subsp. **typicum** var. **acuminata** Wesmael, l. c. (1892).—Lingelsheim in Mitt. Deutsch. Dendr. Ges. **1911**(20): 184 (1911) "*F. a.* var.  $\alpha$ ."  
*Fraxinus americana* subsp. **typicum** var. **epiptera** Wesmael, l. c. (1892).  
*Fraxinus americana* var. **glauca** et var. **longifolia** Hort. ex Schneider, Ill. Handb. Laubh. **2**: 824 (1912), pro syn.
- F. americana** f. **ascidiata** (Meuniss.), grad. nov.  
*Fraxinus americana* var. **ascidiata** A. M[eunissier] in Gard. Chron. ser. 3, **76**: 335, fig. 122 (1924).
- F. americana** f. **iodocarpa** Fernald in Rhodora, **14**: 192 (1912).
- F. americana** var. **subcoriacea** Sargent in Bot. Gaz. **67**: 241 (1919).  
*Fraxinus americana* var. **crassifolia** Sargent, Man. Trees N. Am. ed. 2, 841 (1922).
- F. americana** var. **juglandifolia** [Lam.] D. J. Browne, Trees Am. 398 (1846) "(var.)."—K. Koch, Dendr. **2**: 253 (1872).—Lingelsheim in Bot. Jahrb. **40**: 219 (1907) " $\beta$ ."—Schneider, Ill. Handb. Laubh. **2**: 824 (1912).  
*Fraxinus juglandifolia* Lamarck, Encycl. Méth. Bot. **2**: 548 [1788].—De Candolle, Prodr. **8**: 278 (1844).  
*Fraxinus juglandifolia*  $\beta$ . **F. subserrata** Willdenow, Sp. Pl. **4**: 1104 [1806].  
*Fraxinus caroliniana* sensu Willdenow, Berlin. Baumz. 119 (1796), p. p.; non Miller (1768), nec Lamarck [1788].  
*Fraxinus viridis* Bosc in Mém. Cl. Sci. Math. Phys. Inst. France (Acad. Sci. [Paris]) **1808**: 209 (Notice Agr. Frènes) (1809), sphalm. "*veridis*."—Willdenow, Enum. Pl. Hort. Berol. Suppl. 69 (1813).  
*Fraxinus discolor*  $\beta$ . **juglandifolia** Muhlenberg, Cat. Pl. Am. Sept. 96 (1813), nom.  
*Fraxinus epiptera* sensu Pursh, Fl. Am. Sept. **1**: 8 (1814), non Michaux (1803).  
? *Fraxinus macrophylla* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. **2**: 29, 120 (1826).  
*Leptalis viridis*, *L. pubescens*, *L. juglandifolia* Rafinesque, Alsogr. Am. 32, 36, 36 (1838), nom. altern.  
*Calycomelia juglandifolia* Kosteletzky, Allg. Med.-pharm. Fl. **3**: 1004 (1834).  
*Fraxinus americana* var. **epiptera** Dippel, Handb. Laubh. **1**: 74 (1889).  
*Fraxinus americana* var. **macrophylla** Hort. ex Schneider, Ill. Handb. Laubh. **2**: 824 (1912), pro syn.
- F. texensis** (Gray) Sargent, Silva N. Am. **6**: 47, t. 270 (1894).  
*Fraxinus albicans* Buckley in Proc. Acad. Nat. Sci. Philad. **1862**: 4 (1862), p. p.  
*Fraxinus pistaciaefolia* sensu E. Hall, Pl. Tex. 19, no. 527 (1873), non Torrey (1856).  
*Fraxinus americana* var. **texensis** Gray, Syn. Fl. N. Am. **2**, **1**: 75 (1878).  
*Fraxinus americana* var.  $\gamma$ . **albicans** Lingelsheim in Bot.

**Fraxinus texensis** (continued)

- Jahr. 40: 219 (1907); in Engler, Pflanzenreich, IV. 243 (Heft 72): 38 (1920), p. p.  
*Fraxinus texana* Sargent ex Britton, N. Am. Trees, 807, fig. (1908).
- F. biltmoreana** Beadle in Bot. Gaz. 25: 358 (1898). — Sargent, Silva N. Am. 14: 37, t. 716 (1902).  
*Fraxinus catawbiensis* Ashe in Bot. Gaz. 33: 230 (1902).  
*Calycomelia biltmoreana* Nieuwland in Am. Midland Nat. 3: 186 (1914).  
*Fraxinus americana* × *pennsylvanica* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 46 (1920).  
*Fraxinus americana* var. *biltmoreana* (Beadle) J. Wright in Gray Herb. July, 1941, ex Fernald in Rhodora, 49: 159 (1947) in nota.
- F. tomentosa** Michaux f., Hist. Arb. For. Am. Sept. 3: 112, t. 9 (1813). — Fernald in Rhodora, 40: 450, t. 528 (1938).  
*Calycomelia tomentosa* Kosteletzky, Allg. Med.-pharm. Fl. 3: 1004 (1834).  
*Fraxinus americana* var. *profunda* Bush in Ann. Rep. Missouri Bot. Gard. 5: 147 (1894).  
*Fraxinus profunda* Bush in Gard. & For. 10: 515 (1897). — Sargent, Silva N. Am. 14: 35, t. 714, 715 (1902).  
*Fraxinus pennsylvanica profunda* Sudworth in U. S. Dept. Agr. For. Serv. Bull. 14: 329 (Nomencl. Arb. Fl. U. S.) (1897). — Lingelsheim in Mitt. Deutsch. Dendr. Ges. 1911(20): 185 (1911) "var. *β. p.*"  
*Calycomelia profunda* Nieuwland in Am. Midland Nat. 3: 186 (1914).
- F. pennsylvanica** Marshall, Arb. Am. 92 (1785). — Sargent, Silva N. Am. 6: 49, t. 271 (1894). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 41 (1920).  
*Fraxinus Novae Angliae* sensu Du Roi, Harbk. Wilde Baumz. 1: 290 (1772), non *F. Nova Anglia* Miller (1768).  
*Fraxinus pubescens* Lamarck, Encycl. Méth. Bot. 2: 548 [1788].  
*Fraxinus nigra* sensu Pott in Du Roi, Harbk. Wilde Baumz. ed. 2, 1: 398 (1795). — Willdenow, Berlin. Baumz. 120 (1796). — Non Marshall (1785).  
*Fraxinus pubescens β. longifolia* Vahl, Enum. Pl. 1: 52 (1804).  
*Fraxinus pubescens γ. latifolia* Vahl, l. c. (1804).  
*Fraxinus subvillosa* Bosc ex Persoon, Syn. Pl. 2: 604 (1807), pro syn.  
*Fraxinus rufa* (203), *F. ovata* (204), *F. elliptica*, *F. longifolia* (207), *F. Richardi*, *F. cinerea*, *F. subvillosa* (209), *F. rubicunda* (212) Bosc in Mém. Cl. Sci. Math. Phys. Inst. France (Acad. Sci. Paris) 1808: 203–212 (Notice Agr. Frênes) (1809).  
*Fraxinus ovalis* Willdenow, Enum. Pl. Hort. Berol. Suppl. 69 (1813), nom.  
*Fraxinus discolor* Muhlenberg, Cat. Pl. Am. Sept. 96 (1813), nom. subnud. — Rafinesque, Fl. Ludovic. 37 (1817). — Spach, Hist. Nat. Vég. Phan. 8: 297 (1839).  
*Fraxinus cerasifolia* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 2: 29 (1826).  
*Fraxinus platyphyllos* Hoffmannsegg, l. c. (1826).  
*Leptalis longifolia* (p. 32), *L. cinerea*, *L. alba*, *L. rubicunda*, *L. ovata*, *L. richardi*, *L. elliptica*, *L. nigra* (p. 33), *L. fusca*, *L. rufa*, *L. pubescens* (p. 36) Rafinesque, Alsogr. Am. 32, 33, 36 (1838), nom. altern.  
*Calycomelia alba*, *C. elliptica*, *C. lancea*, *C. ovata*, *C. pubescens*, *C. Richardi* Kosteletzky, Ind. Pl. Hort. Bot. Prag. 26 (1844).

- Fraxinus americana* var. *pubescens* D. J. Browne, Trees Am. 395 (1846).  
*Fraxinus oblongocarpa* Buckley in Proc. Acad. Nat. Sci. Philad. 1862: 4 (1862).  
*Fraxinus coriacea* hort. ex K. Koch, Dendr. 2, 1: 257 (1872), pro syn.; non S. Watson (1873).  
*Fraxinus arbutifolia* hort. ex Dippel, Handb. Laubh. 1: 76 (1889), pro syn.  
*Fraxinus viridis* var. *pubescens* Hitchcock in Trans. Acad. Sci. St. Louis, 5: 507 (1891).  
*Fraxinus americana* subsp. *pennsylvanica* Wesmael in Bull. Soc. Bot. Belg. 31: 109 (Monog. Fraxinus, 41) (1892).  
*Fraxinus campestris* Britton, N. Am. Trees, 799 (1908).  
*Fraxinus Darlingtonii* Britton, op. cit. 802 (1908).  
*Fraxinus Michauxii* Britton, op. cit. 804 (1908).  
*Fraxinus Smallii* Britton, op. cit. 805 (1908).  
*Calycomelia pennsylvanica* Nieuwland in Am. Midland Nat. 3: 186 (1914).  
*Calycomelia campestris* Nieuwland & Lunell in Am. Midland Nat. 4: 507 (1915).  
*Fraxinus pennsylvanica* var. *typica* Fernald in Rhodora, 40: 453, t. 529 fig. 3, 4 (1938).
- F. pennsylvanica f. aucubaefolia** (Jäger), grad. nov.  
*Fraxinus juglandifolia* var. *aucubaefolia* Jäger, Ziergeh. 233 (1865).  
*Fraxinus aucubaefolia* Hort. ex K. Koch, Dendr. 2, 1: 255 (1872), pro syn. — Jäger in Jäger & Beissner, Ziergeh. ed. 2, 159 (1884).  
*Fraxinus Pennsylvanica* var. *aucubaefolia* Rehder in Bailey, Cycl. Am. Hort. [2]: 607 (1900).  
*Fraxinus pubescens f. Boscii aucubifolia* Schelle in Beissner et al., Handb. Laubh.-Ben. 407 (1903), nom.
- F. pennsylvanica** var. *subintegerrima* (Vahl) Fernald in Rhodora, 49: 159 (1947).  
*Fraxinus juglandifolia β. subintegerrima* Vahl, Enum. Pl. 1: 50 (1804).  
*Fraxinus juglandifolia* sensu Willdenow, Berlin. Baumz. 117 (1796), non Lamarck [1788].  
*Fraxinus caroliniana* sensu Willdenow, op. cit. 119 (1796), non Miller (1768), nec Lamarck [1788].  
*Fraxinus lanceolata* Borkhausen, Theor.-prakt. Handb. Forstbot. 826 (1800). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 44 (1920).  
*Fraxinus caroliniana β. F. latifolia* Willdenow, Sp. Pl. 42: 1103 [1806].  
*Fraxinus pubescens \* subpubescens* Persoon, Syn. Pl. 2: 605 (1807). — Pursh, Fl. Am. Sept. 1: 9 (1814) "δ. s."  
*Fraxinus expansa* Willdenow, Berlin. Baumz. ed. 2, 150 (1811).  
*Fraxinus viridis* Michaux f., Hist. Arb. For. Am. Sept. 3: 115, t. 10 (1813), exclud. fruct. — Gray, Syn. Fl. N. Am. 2, 1: 75 (1878). — Non Bosc (1808).  
*Fraxinus concolor* Muhlenberg, Cat. Pl. Am. Sept. 96 (1813), nom.  
*Calycomelia viridis* Kosteletzky, Ind. Pl. Hort. Bot. Prag. 26 (1844).  
*Calycomelia expansa* Kosteletzky, l. c. (1844).  
*Fraxinus americana* subsp. *Novae-Angliae* Wesmael in Bull. Soc. Bot. Belg. 31: 108 (Monog. Fraxinus, 40) (1892), p. p.  
*Fraxinus pennsylvanica* var. *lanceolata* (Borkh.) Sargent, Silva N. Am. 6: 51, t. 272 (1894).  
*Fraxinus pennsylvanica* var. *viridis* Schneider, Ill. Handb. Laubh. 2: 826 (1912).  
*Calycomelia lanceolata* Lunell in Am. Midland Nat. 4: 507 (1915).  
*Fraxinus lanceolata* var. *a. viridis* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 44 (1920).

- F. Berlandieriana** De Candolle, Prodr. 8: 278 (1844).—Sargent, Silva N. Am. 6: 53, t. 273 (1894).—Lingelsheim, l. c. (1920).  
*Fraxinus viridis* var. *Berlandieriana* Gray, Syn. Fl. N. Am. 2,1: 75 (1878).  
*Fraxinus pubescens* var. *Berlandieriana* Wenzig in Bot. Jahrb. 4: 183 (1883).  
*Fraxinus americana* subsp. *novae-angliae* var. *Berlandieriana* Wesmael in Bull. Soc. Bot. Belg. 31: 108 (Monog. Fraxinus, 40) (1892).  
*Fraxinus Berlandieri* Small, Fl. Southeast. U. S. 918 (1903).
- F. velutina** Torrey in Emory, Not. Recon. Leavenworth to San Diego 149 (1848).—Rehder in Proc. Am. Acad. Arts Sci. 53: 202 (1917).—Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 43 (1920).  
*Fraxinus pistaciaefolia* Torrey in U. S. Rep. Expl. Railr. Mississippi Pacif. Oc. 4: 128 (Descr. Gen. Bot. Coll.) (1856).—Gray, Syn. Fl. N. Am. 2,1: 74 (1878).  
*Fraxinus viridis* sensu S. Watson, Bot. 40th Parall. (in U. S. Geol. Expl. 40th Parall. vol. 5) 284 (1871), non Michaux (1813).  
*Fraxinus americana* var. *pistaciaefolia* Wenzig in Bot. Jahrb. 4: 182 (1883).—Wesmael in Bull. Soc. Bot. Belg. 31: 108 (Monog. Fraxinus, 40) (1892) "subsp. *typicum* var. *p.*"  
*Calycomelia pistaciaefolia* Nieuwland in Am. Midland Nat. 3: 187 (1914).
- F. velutina** var. *coriacea* (S. Wats.) Rehder in Proc. Am. Acad. Arts Sci. 53: 206 (1917).—Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 43 (1920).  
*Fraxinus coriacea* S. Watson in Am. Naturalist, 7: 302 (1873), p. p.—Sargent, Silva N. Am. 14: 33, t. 713 (1902); Man. Trees N. Am. 775, f. 620 (1905).  
*Fraxinus pistaciaefolia* var. *coriacea* Gray, Syn. Fl. N. Am. 2,1: 74 (1878).  
*Fraxinus americana* var. *coriacea* Wenzig in Bot. Jahrb. 4: 182 (1883).
- F. velutina** var. *glabra* Rehder in Proc. Am. Acad. Arts Sci. 53: 207 (1917).  
*Fraxinus glabra* Thorne in herb. ex Rehder, l. c. (1917), pro syn.  
*Fraxinus velutina* var. *β. glabrata* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 43 (1920).
- F. velutina** var. *Toumeyii* (Britt.) Rehder in Proc. Am. Acad. Arts Sci. 53: 204 (1917).  
*Fraxinus velutina* sensu Sargent, Silva N. Am. 6: t. 267 (1894), p. p. quoad pl. depict.; non Torrey (1848).  
*Fraxinus attenuata* Jones, Contrib. West. Bot. 12: 59 (1908), p. p. quoad specim. ex Arizona.—Wootton & Standley in Contrib. U. S. Nat. Herb. 19: 496 (Fl. New Mex.) (1915).  
*Fraxinus Toumeyii* Britton, Trees N. Am. 803, fig. 732 (1908).
- F. oregana** Nuttall, N. Am. Sylv. 3: 59, t. 99 (1849).—Sargent, Silva N. Am. 6: 57, t. 276 (1894).—Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 42 (1920).  
*Fraxinus pubescens* *β.* Hooker, Fl. Bor.-Am. 2: 51 [1838].  
*Fraxinus latifolia* Benth, Bot. Voy. Sulphur, 33 (1844).  
*Fraxinus oregana* var. *riparia* Wenzig in Bot. Jahrb. 4: 187 (1883).  
*Fraxinus americana* subsp. *oregana* Wesmael in Bull. Soc. Bot. Belg. 30: 110 (Monog. Fraxinus, 42) (1892).  
*Fraxinus oregana* a. *latifolia* Lingelsheim in Bot. Jahrb. 40: 220 (1908).
- F. platypoda** Oliver in Hooker's Icon. Pl. 20: t. 1929 (1890).—Lingelsheim in Sargent, Pl. Wilson. 2: 262, 623 (1914); in Engler, Pflanzenreich, IV. 243 (Heft 72): 45, fig. 11c (1920).
- F. caroliniana** Miller, Gard. Dict. ed. 8, F. no. 6 (1768).—Sargent, Silva N. Am. 6: 55, t. 274, 275 (1894).—Lingelsheim in op. cit. 45 (1920).  
*Fraxinus Americana* sensu Marshall, Arbust. Am. 50 (1785), non Linnaeus, (1753).  
*Fraxinus excelsior* sensu Walter, Fl. Carol. 254 (1788), non Linnaeus (1753).  
*Fraxinus platycarpa* Michaux, Fl. Bor.-Am. 2: 256 (1803).—Gray, Syn. Fl. N. Am. 2,1: 75 (1878).  
*Fraxinus pallida* Bosc in Mém. Cl. Sci. Math. Phys. Inst. France (Acad. Sci. Paris) 1808: 201 (1809).  
*Fraxinus pubescens* sensu Bosc in op. cit. 210 (1809), non Lamarck [1788].  
*Fraxinus triptera* Nuttall, Gen. N. Am. Pl. 2: 232 (1818).  
*Fraxinus curvidens* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 2: 29, 118 (1826).  
*Calycomelia caroliniana* Kosteletzky, Allg. Med.-pharm. Fl. 3: 1004 (1834); Ind. Pl. Hort. Bot. Prag. 26 (1844).  
*Samaropsis triptera* Rafinesque, New Fl. N. Am. 3: 93 [1837].  
*Leptalis pallida*, *L. platycarpa* Mx. [sphalm. pro *platycarpa* ?], *L. caroliniana* Rafinesque, Alsogr. Am. 33, 35, 36 (1838), nom. altern.  
*Calycomelia platycarpa* Kosteletzky, Ind. Pl. Hort. Bot. Prag. 26 (1844).  
*Calycomelia pallida* Kosteletzky, l. c. (1844).  
*Fraxinus americana* [var.] *caroliniana* D. J. Browne, Trees Am. 398 (1846).  
*Fraxinus americana* [var.] *triptera* D. J. Browne, op. cit. 399 (1846).  
*Fraxinus pauciflora* Nuttall, N. Am. Sylv. 3: 61 (1849).—Small, Fl. Southeast. U. S. 918 (1903).  
*Fraxinus Nuttallii* Buckley in Proc. Acad. Nat. Hist. Philad. 1860: 444 (1860).  
*Fraxinus nigrescens* Buckley in op. cit. 1862: 5 (1862).  
*Fraxinus cubensis* Grisebach, Cat. Pl. Cub. 170 (1866).  
*Fraxinus platycarpa* var. *floridana* Wenzig in Bot. Jahrb. 4: 185 (1883).  
*Fraxinus nigra* subsp. *caroliniana* Wesmael in Bull. Soc. Bot. Belg. 31: 113 (Monog. Fraxinus, 45) (1892).  
*Fraxinus caroliniana* var. *a. platycarpa* Lingelsheim in Bot. Jahrb. 40: 221 (1908); in Engler, Pflanzenreich, IV. 243 (Heft 72): 45 (1920).
- F. caroliniana** var. *pubescens* (M. A. Curtis) Fernald in Rhodora, 39: 442 (1937).  
*Fraxinus platycarpa* *β. pubescens* M. A. Curtis in Am. Jour. Sci. ser. 2, 7: 408 (1849).  
*Fraxinus Rehderiana* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 42 (1920).  
*Fraxinus caroliniana* var. *Rehderiana* Sargent in Jour. Arnold Arb. 2: 173 (1921).
- F. Lowellii** Sargent in Proc. Am. Acad. Arts Sci. 53: 211 (1917).
- F. anomala** Torrey in herb. ex S. Watson, Bot. (40th Parall.) (in Rep. U. S. Geol. Expl. 40th Parall. vol. 5) 283 (1871).—Sargent, Silva N. Am. 6: 39, t. 266 (1894), exclud. ram. ster.—Rehder in Proc. Am. Acad. Arts Sci. 53: 211 (1917).  
*Fraxinus anomala* var. *triphyllo* Jones in Proc. Calif. Acad. Sci. ser. 2, 5: 707 (Contrib. West. Bot. VII) (1895).
- Subsect. 4. BUMELIOIDES (Endl.) Lingelsheim in Bot. Jahrb. 40: 222 (1907); in Engler, Pflanzenreich, IV.

**Fraxinus** subsect. 4. BUMELIOIDES (*continued*)

- 243** (Heft 72): 47 (1920).—Whelden in Jour. Arnold Arb. **15**: 118, fig. (1934) "sect."  
*Fraxinus a. Bumelioides* Endlicher, Gen. Pl. 573 [1838].  
*Aplilia* Rafinesque, New Fl. N. Am. **3**: 93 [1837]; Alsogr. Am. **39** (1838).—B. D. Jackson in Index Kew. **1**: 161 [1893], sphalm. "*Apilia*."  
*Fraxinus* Untergatt. *Fraxinaster* Zweig *Gymnanthae* Dippel, Handb. Laubh. **1**: 82 (1889).  
*Fraxinus* sect. *Fraxinaster* subsect. *Bumelioides* ser. *Nigrae*, ser. *Excelsiores* et ser. *Verticillatae* Troitski in Jour. Bot. U. R. S. S. **24**: 133 (1939).

- F. quadrangulata** Michaux, Fl. Bor.-Am. **2**: 255 (1803).—Sargent, Silva N. Am. **6**: 35, t. 263 (1894).—Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 57 (1920).

*Fraxinus tetragona* Dumont de Courset, Bot. Cult. ed. 2, **2**: 583 (1811).

*Calycomelia quadrangulata* Kosteletzky, Allg. Med.-pharm. Fl. **3**: 1004 (1834).

*Fraxinus quadrangularis* Loddiges, Cat. 1836 ex Loudon, Arb. Brit. **2**: 1235 (1838), pro syn.

*Fraxinus americana* var. *quadrangulata* D. J. Browne, Trees Am. 397 (1846).

*Fraxinus quadrangulata* var. *subpubescens* Wesmael in Bull. Soc. Bot. Belg. **30**: 114 (Monog. *Fraxinus*, 46) (1892).

- F. nigra** Marshall, Arbust. Am. 91 (1785).—Sargent, Silva N. Am. **6**: 37, t. 264, 265 (1894).

*Fraxinus novae Angliae* Du Roi, Harbk. Wilde Baumz. **1**: 290 (1771).—Wangenheim, Beytr. Teutsch. Holzger. Forstw. Nordam. Holzart. **51** (1787) "*novae Angliae*."—Non *F. Nova Anglia* Mill. (1768).

?*Fraxinus juglandi-folia* nigra W. Young, Cat. Arb. Arbust. Am. 9 (1783), nom.

*Fraxinus sambucifolia* Lamarck, Encycl. Méth. Bot. **2**: 549 (1786).—Gray, Syn. Fl. N. Am. **2**, **1**: 76 (1878).

*Calycomelia nigra* Kosteletzky, Ind. Pl. Hort. Bot. Prag. **26** (1844).

*Fraxinus americana* var. *sambucifolia* D. J. Browne, Trees Am. 396 (1846).

*Fraxinus nigra* subsp. *nigra* Wesmael in Bull. Soc. Bot. Belg. **30**: 112 (Monog. *Fraxinus*, 44) (1892).

*Fraxinus nigra* var. *a. sambucifolia* Lingelsheim in Bot. Jahrb. **40**: 223 (1907); in Engler, Pflanzenreich, IV. **243** (Heft 72): 57 (1920).

- F. mandshurica** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 371 (in Mém. Biol. **2**: 551. 1858) (1857).

—Wesmael in Bull. Soc. Bot. Belg. **31**: 105 (Monog. *Fraxinus*, 37) (1892) "*mandschurica*."—Palibin in Act. Hort. Petrop. **18**: 155 (1901) "*manshurica*."—Nakai, Fl. Sylv. Kor. **10**: 27, t. 8 (1921).

*Fraxinus excelsa* Thunberg, Fl. Jap. **23** (1784), non *F. excelsior* L. (1753).

*Fraxinus elatior* Thunberg ex Palibin in Act. Hort. Petrop. **18**: 155 (1901), pro syn.

*Fraxinus nigra* var. *β. mandshurica* Lingelsheim in Bot. Jahrb. **40**: 223 (1907).

*Fraxinus Sieboldiana* sensu Shirasawa, Icon. Ess. For. Jap. **2**: t. 61, fig. 14–26 (1908), non Blume (1850).

*Fraxinus manshurica* f. *genuina* Skvortzov in Lingnan Sci. Jour. **6**: 220 (1928).

- F. excelsior** Linnaeus, Sp. Pl. 1057 (1753).—Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 49, fig. 2F, H (1920).

*Fraxinus Ornus* sensu Scopoli, Fl. Carniol. ed. 2, **2**: 281 (1772), non Linnaeus (1753).

*Fraxinus apetala* Lamarck, Fl. Franç. **2**: 525 (1778).

*Fraxinus Steudelii* Medicus, Bot. Beob. Jahr. 1782, 201 (1783) "*Steidelii*," *F. Steudelii* in indice (p. 399).—Steudel, Nomencl. Bot. ed. 2, **1**: 647 (1840), pro syn.

*Fraxinus excelsior a. communis* Aiton, Hort. Kew. **3**: 445 (1789).

*Fraxinus excelsa* Salisbury, Prodr. Stirp. Chap. Allert. **14** (1796).

?*Fraxinus Boscii* G. Don, Gen. Hist. Dichlam. Pl. **4**: 55 (1838).

*Fraxinus biloba* Grenier & Godron, Fl. France, **2**: 472 (1852).

?*Fraxinus sylvatica* Gromow in Trudy Obshch. Khark. Univ. **1**: 154 (Enum. Stirp. Phaen. Charkov.) (1873?).

*Fraxinus excelsior* subsp. *excelsior* Wesmael in Bull. Soc. Bot. Belg. **31**: 88 (Monog. *Fraxinus*, 20) (1892).

- F. excelsior f. argenteo-variegata** [West.] Schelle in Beissner et al., Handb. Laubh.-Ben. 410 (1903) "(f.)"  
*Fraxinus excelsior 2. argenteo-variegata* Weston, Bot. Univ. **1**: 109 (1770).

*Fraxinus excelsior* [var.] *F. argentea* Persoon, Syn. Pl. **2**: 604 (1807).—Loudon, Arb. Brit. **3**: 1217 (1838) "*F. e. var. a.*"—Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 51 (1920) "f."

*Fraxinus excelsior* † *albo-variegata* Hayne, Dendr. Fl. **226** (1822).—Schelle in Beissner et al., Handb. Laubh.-Ben. 410 (1903) "(f.)"

*Fraxinus excelsior variegata* i. David in Ann. Inst. Hort. Fromont, **6**: 206 (1834).

- F. excelsior f. aureo-variegata** (West.), grad. nov.  
*Fraxinus excelsior 3. aureo-variegata* Weston, Bot. Univ. **1**: 109 (1770).  
*Fraxinus excelsior* var. *lutea* Loudon, Arb. Brit. **3**: 1217 (1838).

- F. excelsior f. aurea** (Pers.) Schelle in Beissner et al., Handb. Laubh.-Ben. 410 (1903) "(f.)"

*Fraxinus excelsior jaspidea* Desfontaines, Tabl. École Bot. **52** (1804), nom.—Poiret in Duhamel, Traité Arb. Arbriss., éd. augm. [Nouv. Duhamel] **4**: 59 (1809) "*γ. (jaspidea)*."

*Fraxinus excelsior* [var.] *F. aurea* Persoon, Syn. Pl. **2**: 604 (1807).—Willdenow, Berlin. Baumz. ed. 2, **153** (1811) "*F. e. γ. a.*"

*Fraxinus aurea* Willdenow, Enum. Pl. Hort. Berol. **1059** (1809).—Hoffmannsegg, Verz. Pflanzenkult. Nachtr. **3**: 10 (1826).

- F. excelsior f. diversifolia** (Ait.) Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 51 (1920).

*Fraxinus excelsior γ. diversifolia* Aiton, Hort. Kew. **3**: 445 (1789).

*Fraxinus simplicifolia* Willdenow, Berlin. Baumz. **121** (1796); Sp. Pl. **4**, **2**: 1098 [1806].

*Fraxinus excelsior integrifolia* Pott in Du Roi, Harbk. Wilde Baumz. ed. 2, **1**: 392 (1795).—Bouchet in Bull. Soc. Bot. France, **68**: 546 (1921) "var."—Non *F. integrifolia* Moench (1785).

*Fraxinus heterophylla* Vahl, Enum. Pl. **1**: 53 (1804).

*Fraxinus monophylla* Desfontaines, Tabl. École Bot. **52** (1804).

*Fraxinus excelsior a. simplicifolia* Persoon, Syn. Pl. **2**: 604 (1807).

?*Aplilia laciniata* Rafinesque, New Fl. N. Am. **3**: 93 [1837]; Alsogr. Am. **39** (1838), nom. altern.—B. D.



- Jackson in Index Kew. 1: 161 [1893] "*Apilia l.*" sphalm.; pro syn.
- ?*Apilia macrophylla* Rafinesque, l. c. [1837]; l. c. (1838), nom. altern. — B. D. Jackson, l. c. [1893] "*Apilia m.*" sphalm.; pro syn. — Non *F. macrophylla* Hoffmannsegg (1826).
- Fraxinus excelsior* γ. *monophylla* (Desf.) Grenier & Godron, Fl. France, 2: 471 (1850).
- Fraxinus excelsior* var. *heterophylla* Willdenow ex Wesmael in Bull. Soc. Bot. Belg. 31: 90 (Monog. Fraxinus, 22) (1892).
- Fraxinus Veltheimi* hort. ex Schneider, Ill. Handb. Laubh. 2: 830 (1912), pro syn.
- Fraxinus excelsior* var. *diversifolia* f. *laciniata* Schneider, l. c. (1912).
- Fraxinus integrifolia* Hort. ex Schneider, l. c. (1912), pro syn.; non *F. integrifolia* Moench (1785).
- F. excelsior** f. *erosa* (Willd.) Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 51 (1920).
- Fraxinus excelsior* γ. *F. erosa* Willdenow, Sp. Pl. 4: 1099 [1806]. — Loudon, Arb. Brit. 2: 1217 (1838) "var. 11. *erosa*."
- Fraxinus scolopendriifolia* hort., *F. laciniata* hort., *F. elegantissima* hort., *F. exoniensis* hort. ex Schneider, Ill. Handb. Laubh. 2: 830 (1912), pro syn.
- Fraxinus excelsior* var. *scolopendrifolia* Bean, Trees Shrubs Brit. Isl. 1: 568 (1914).
- F. excelsior** f. *asplenifolia* (Kirchner), grad. nov.
- Fraxinus excelsior* 2. *asplenifolia* Kirchner in Petzold & Kirchner, Arb. Muscav. 500 (1864).
- Fraxinus excelsior* var. *erosa* Schneider, Ill. Handb. Laubh. 2: 830, fig. 523g (1912), p. p. quoad fig.
- Fraxinus linearis* hort. ex Schneider, l. c. (1912), pro syn.
- F. excelsior** f. *crispa* (Willd.) Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 51 (1920).
- Fraxinus excelsior* δ. *F. crispa* Willdenow, Sp. Pl. 4: 1099 [1806]; Berlin. Baumz. ed. 2, 153 (1811) "*F. e. δ. c.*"
- Fraxinus nana* \* *atrovirens* Persoon, Syn. Pl. 2: 605 (1807).
- Fraxinus crispa* Bosc in Mém. Cl. Sci. Math. Phys. Inst. Nat. France, 1808: 214 (Notice Agr. Frênes) (1809).
- Leptalis atrovirens* Rafinesque, Alsogr. Am. 27 (1838), nom. altern.
- Fraxinus excelsior* *cucullata* Carrière in Rev. Hort. 1867: 340 (1867).
- Fraxinus excelsior* b. *atrovirens* Dippel, Handb. Laubh. 1: 83 (1889).
- F. excelsior** f. *nana* (Pers.) Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 50 (1920).
- Fraxinus nana* (*appendiculata*) Persoon, Syn. Pl. 2: 605 (1807).
- Fraxinus polemoniifolia* Poirét in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 4: 66 [1809].
- Fraxinus excelsior* δ. *nana* Hayne, Dendr. Fl. 226 (1822).
- Leptalis nana* Rafinesque, Alsogr. Am. 33 (1838), nom. altern.
- Fraxinus humilis*, *F. pumila*, *F. globosa* hort. ex Dippel, Handb. Laubh. 1: 82 (1889), pro syn.
- Fraxinus excelsior* var. *polemoniifolia* Wesmael in Bull. Soc. Bot. Belg. 31: 90 (Monog. Fraxinus, 22) (1892).
- F. excelsior** f. *spectabilis* (Dipp.), grad. nov.
- Fraxinus excelsior* var. *spectabilis* Jacob-Makoy, Cat. no. 104 (1863) ex Morren & A. de Vos, Index Bibliog. Hort. Belg. 555 (1887), nom. — Dippel, Handb. Laubh. 1: 84 (1889) "*F. e. s. hort.*" — Schelle in Beissner et al., Handb. Laubh.-Ben. 410 (1903) "f."; nom.
- Fraxinus excelsior fastigiata* hort. ex Schelle, l. c. (1903), pro syn.
- F. excelsior** f. *pendula* (Ait.) Schelle in Beissner et al., Handb. Laubh.-Ben. 410 (1903) "(f.)". — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 50 (1920).
- Fraxinus excelsior* β. *pendula* Aiton, Hort. Kew. 3: 445 (1789).
- Fraxinus pendula* Hoffmannsegg, Verz. Pflanzenkult. 70 (1824).
- Apilia pendula* Rafinesque, Alsogr. Am. 39 (1838), nom. altern. — B. D. Jackson in Index Kew. 1: 161 [1893] "*Apilia p.*" sphalm.; pro syn.
- Fraxinus excelsior* *Wentworthi pendula* hort. ex Dippel, Handb. Laubh. 1: 85 (1889), pro syn. — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 50 (1920) "*F. e. W. Dippel*"; pro syn.
- F. excelsior** f. *aureo-pendula* Rehder in Jour. Arnold Arb. 26: 481 (1945).
- Fraxinus excelsior* var. *aurea pendula* Loudon, Arb. Brit. 3: 1217 (1838), non *F. e. var. aurea* Willdenow, nec *F. e. var. pendula* Ait. (1789).
- Fraxinus excelsior* var. *aurea* f. *pendula* Schneider, Ill. Handb. Laubh. 2: 830 (1912), non f. *p.* (Ait.) Schelle (1903). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 50 (1920) "*f. aurea pendula*."
- F. excelsior** f. *horizontalis* (Pers.) Lingelsheim, l. c. (1920).
- Fraxinus excelsior* var. *horizontalis* Desfontaines, Tabl. École Bot. 52 (1804), nom. — Poirét in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 4: 59 [1809] "*δ. horizontalis*."
- Fraxinus excelsior* var. *F. horizontalis* Persoon, Syn. Pl. 2: 694 (1807).
- F. Hookeri** Wenzig in Bot. Jahrb. 4: 179 (1883). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 56 (1920).
- Fraxinus excelsior* sensu Brandis, Forest Fl. Ind. 303 (1874). — Hooker f., Fl. Brit. Ind. 3: 606 (1882). — Non Linnaeus (1753).
- F. rotundifolia** Miller, Gard. Dict. ed. 8, F. no. 2 (1768). — Schneider, Ill. Handb. Laubh. 2: 834 (1912).
- Fraxinus parvifolia* Lamarck, Encycl. Méth. Bot. 2: 546 (1786). — Kusnetzov, Fl. Cauc. Crit. 4: 236 (1903).
- Fraxinus mixta* Bosc in Mém. Cl. Sci. Math. Phys. Inst. France (Acad. Sci. Paris) 1808: 213 (Notice Agr. Frênes) (1809).
- Leptalis mixta* Rafinesque, Alsogr. Am. 32 (1838), nom. altern.
- Fraxinus oxycarpa* var. *parvifolia* Boissier, Fl. Or. 4: 40 (1879).
- Fraxinus excelsior* subsp. *parvifolia* Wesmael in Bull. Soc. Bot. Belg. 31: 101 (Monog. Fraxinus, 33) (1892). — Arcangeli, Fl. Ital. 362 (1894) "var."
- F. rotundifolia** f. *pendula* (Dipp.), grad. nov.
- Fraxinus lentiscifolia* var. *pendula* Loudon, Arb. Brit. 2: 1231 (1838).
- Fraxinus parvifolia* a. *pendula* Dippel, Handb. Laubh. 1: 94 (1889).
- Fraxinus excelsior* subsp. *parvifolia* β. *pendula* Wesmael in Bull. Soc. Bot. Belg. 31: 101 (Monog. Fraxinus, 33) (1892).
- Fraxinus rotundifolia* var. *pendula* Rehder in Bailey, Stand. Cycl. Hort. 3: 1277 (1915).
- Fraxinus oxycarpa* var. β. *parvifolia* f. *pendula* (Loud.)

**Fraxinus rotundifolia f. pendula** (continued)

Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 55 (1920).

**F. numidica** Dippel, Handb. Laubh. 1: 96 (1889). — Lingelsheim in op. cit. 56 (1920).

**F. angustifolia** Vahl, Enum. Pl. 1: 52 [1804]. — De Candolle, Prodr. 8: 276 (1844). — Trabut & Maire in Bull. Soc. Hist. Nat. Afr. Nord, 22: 306 (Contrib. Ét. Fl. Afr. Nord, fasc. 18) (1931).

*Fraxinus tamariscifolia* Vahl, l. c. [1804].

*Fraxinus excelsior* sensu Boissier, Voy. Bot. Espagne, 2: 408 [1841-42?], non Linnaeus (1753).

*Fraxinus calabrica* hort. ex Dippel, Handb. Laubh. 1: 90 (1889), pro syn.

*Fraxinus salicifolia* et *F. excels. salicifolia* (?) hort. ex Dippel, l. c. (1889), pro syn.

*Fraxinus chinensis* hort. ex Dippel, l. c. (1889), pro syn.; non Roxburgh (1820).

*Fraxinus excelsior* subsp. *angustifolia* Wesmael in Bull. Soc. Bot. Belg. 31: 99 (Monog. Fraxinus, 31) (1892).

*Fraxinus angustifolia* var. *typica* Schneider, Ill. Handb. Laubh. 2: 833 (1912).

*Fraxinus oxycarpa* var. *γ. angustifolia* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 55 (1920).

**F. angustifolia** var. *lentiscifolia* (Desf.) Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 880 (1909).

*Fraxinus lentiscifolia* Desfontaines ex Bosc in Mém. Cl. Sci. Math. Phys. Inst. France (Acad. Sci. Paris) 1809: 202 (Notice Agr. Frênes) (1809). — Desfontaines, Hist. Arb. 1: 102 (1809).

**F. angustifolia f. monophylla** (Dipp.), grad. nov.

*Fraxinus tamariscifolia* b. *monophylla* Dippel, Handb. Laubh. 1: 86 (1889).

*Fraxinus angustifolia* var. *monophylla* Henry in Elwes & Henry, Trees Gt. Brit. Irel. 4: 880 (1909).

**F. angustifolia** var. *australis* [Gren. & Godr.] Schneider, Ill. Handb. Laubh. 2: 833 (1912).

*Fraxinus excelsior* var. *australis* Grenier & Godron, Fl. France, 2: 471 (1850).

*Fraxinus australis* Gay in Exsicc. no. 645 (1829) ex Grenier & Godron, l. c. (1850), pro syn.

*Fraxinus tamariscifolia* sensu Dippel, Handb. Laubh. 1: 85 (1889), non Vahl (1804).

*Fraxinus excelsior* subsp. *angustifolia* var. *australis* Wesmael in Bull. Soc. Bot. Belg. 31: 100 (Monog. Fraxinus, 32) (1892).

*Fraxinus oxycarpa* var. *ε. australis* (Gay) Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 55 (1920).

**F. Elonza** Kirchner in Petzold & Kirchner, Arb. Muscov. 499 (1864). — Dippel, Handb. Laubh. 1: 87, fig. 46 (1889).

**F. obliqua** Tausch in Flora, 17: 521 (1834). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 52 (1920).

*Fraxinus parvifolia* sensu Willdenow, Sp. Pl. 4: 1101 [1806], p. p.; non Lamarck (1786).

*Fraxinus excelsior* var. *parvifolia* Wenzig in Bot. Jahrb. 4: 178 (1883).

*Fraxinus excelsior* subsp. *oxycarpa* var. *obliqua* Wesmael in Bull. Soc. Bot. Belg. 31: 94 (Monog. Fraxinus, 26) (1892).

*Fraxinus Willdenowiana* Koehne, Deutsche Dendr. 515 (1893).

*Fraxinus rotundifolia* Hort. ex Rehder, Man. Cult. Trees Shrubs, 748 (1927), pro syn.; non Miller (1768).

**F. oxycarpa** Willdenow, Sp. Pl. 4, 2: 1100 (1806). — Kusnetsov, Fl. Cauc. Crit. 4: 239 (1903). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 53 (1920) p. p. quoad var. *α*.

*Fraxinus Ornus* sensu Pallas, Ind. Taur. in Hablizl, Descr. Phys. Tauride, 96 (1785) ex Bieberstein, Fl. Taur.-cauc. 2: 451 (1808), non Linnaeus, (1753).

*Fraxinus oxyphylla* Bieberstein, Fl. Taur.-cauc. 2: 450 (1808). — Boissier, Fl. Or. 4: 40 (1879), p. p.

*Fraxinus microphylla* Willdenow, Enum. Pl. Hort. Berol. Suppl. 69 (1813), nom.

*Fraxinus australis* Montagne ex Grenier & Godron, Fl. France, 2: 472 (1850), pro syn.; non Gay ex Grenier & Godron (1850), pro syn.

*Fraxinus Montagnei* Nyman, Consp. Fl. Eur. 495 [1881], pro syn.

*Fraxinus excelsior* subsp. *oxycarpa* Wesmael in Bull. Soc. Bot. Belg. 31: 94 (Monog. Fraxinus, 26) (1892).

*Fraxinus Vailhei* Aubouy in Bull. Intern. Acad. Géog. Bot. 13: 168 (1904).

*Fraxinus oxycarpa* var. *typica* Schneider, Ill. Handb. Laubh. 2: 833 (1912).

**F. syriaca** Boissier, Diagn. Pl. Nov. Or. sér. 1, 11: 77 (1849). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 53 (1920).

*Fraxinus oxyphylla* β. *oligophylla* Boissier, Fl. Or. 4: 40 (1879).

*Fraxinus oxycarpa* var. *oligophylla* Wenzig in Bot. Jahrb. 4: 175 (1883).

*Fraxinus turkestanica* Carrière in Rev. Hort. 1887: 63 (1887).

*Fraxinus sogdiana* sensu Dippel, Handb. Laubh. 1: 92, fig. 49 (1889), non Bunge (1854).

*Fraxinus excelsior* subsp. *syriaca* Wesmael in Bull. Soc. Bot. Belg. 31: 97 (Monog. Fraxinus, 29) (1892).

*Fraxinus syriaca* α. *oligophylla* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 53 (1920).

**F. holotricha** Koehne in Mitt. Deutsch. Dendr. Ges. 1906 (15): 67 [1907]; in Repert. Sp. Nov. Reg. Veg. 6: 338 (1909). — Lingelsheim in op. cit. 56 (1920). — Mattfeld in Mitt. Deutsch. Dendr. Ges. 1925 (35): 282, fig. 1, 4 [1926?].

**F. Pallisae** Willmott in Pallis in Jour. Linn. Soc. Lond. Bot. 43: 284 (1916). — Mattfeld, l. c. fig. 2, 3, 5 [1926?].

**F. potamophila** Herder in Bull. Soc. Nat. Moscou, 41, 1: 65 (1868). — Wesmael in Bull. Soc. Bot. Belg. 31: 103 (Monog. Fraxinus, 35) (1892), sphalm. "*pothamophylla*." — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 52 (1920).

*Fraxinus Regelii* Dippel, Handb. Laubh. 1: 97, fig. 53 (1889).

**F. sogdiana** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 7: 390 (Beitr. Kenntn. Fl. Russl. 1 (Alexandri Lehmann Reliq. Bot.): 214. 1851) (1854). — Wesmael in Bull. Soc. Bot. Belg. 31: 102 (Monog. Fraxinus, 34) (1892), sphalm. "*sogediana*." — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 52 (1920).

*Fraxinus oxycarpa* var. *sogdiana* Wenzig in Bot. Jahrb. 4: 176 (1883).

Trib. 2. LILACEAE Koch, Syn. Fl. Germ. Helv. 482 (1837), p. p. exclud. *Fraxinus*.

Lilaceae Ventenat, Tabl. Règ. Vég. 2: 306 (1799), p. p. Sapotaceae l. Jasmineae c. Mogorinae Reichenbach, Handb. Nat. Pflanzensyst. 213 (1837), p. p.

- Oleinae* trib. *Syringaceae* G. Don, Gen. Syst. Dichlam. Pl. 4: 44, 51 (1837).
- Oleaceae* trib. *Syringaceae* Loudon, Arb. Brit. 2: 1198 (1838), *Fontanesia* exclud.
- Syringaceae* Horaninov, Tetractys Nat. 27 (1843), nom. subnud.; Char. Ess. Fam. Reg. Veg. 115 (1847).
- FORSYTHIA** Vahl, Enum. Pl. 1: 39 [1804]. — Bentham & Hooker, Gen. Pl. 2: 675 (1876). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 109 (1920). — Markgraf in Mitt. Deutsch. Dendr. Ges. 1930(42): 1, fig., 4 t. (1930). — Non Walter (1788). — NOMEN CONSERV. PROPOS.; cf. Jour. Arnold Arb. 24: 482 (1943). *Rangium* Jussieu in Dict. Sci. Nat. 24: 200 (1822). — Ohwi in Act. Phytotax. Geobot. 1: 140 (1932).  
 TYPUS: *Syringa suspensa* Thunb. = *F. suspensa* (Thunb.) Vahl.
- F. suspensa** (Thunb.) Vahl, Enum. Pl. 1: 39 [1804]. — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 111 (1920).  
*Ligustrum suspensum* Thunberg in Nov. Act. Soc. Sci. Upsal. 3: 207, 209 (1780).  
*Syringa suspensa* Thunberg, Fl. Jap. 19, t. 3 (1784).  
*Lilac perpensa* Lamarck, Encycl. Méth. Bot. 3: 513 (1789).  
*Rangium suspensum* Ohwi in Act. Phytotax. Geobot. 1: 140 (1932).
- F. suspensa** var. **Sieboldii** Zabel in Gartenfl. 34: 26 (1885). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 112 (1920) "var.  $\beta$ ."  
*Forsythia suspensa*  $\beta$ . *ramis laxe pendulis* Siebold & Zuccarini, Fl. Jap. 1: 13, t. 3, fig. 3, 4 [1835].  
*Forsythia Sieboldii* Dippel, Handb. Laubh. 1: 109 (1889).  
 TYPUS SPECIEI.
- F. suspensa** var. **Fortunei** (Lindl.) Rehder in Gartenfl. 40: 398, fig. 82, 7–9 (1891) "a." — Koehne, Deutsche Dendr. 497 (1893) "a. F."  
*Forsythia suspensa* a. *ramis erectis* Siebold & Zuccarini, l. c. t. 3, fig. 1, 2 [1835].  
*Forsythia Fortunei* [Lindley] in Gard. Chron. 1864: 412 (1864). — Lebas in Rev. Hort. 1869: 460 (1869) "*Fortunei*."  
*Forsythia suspensa* var. *Fortunei* f. *typica* Koehne in Gartenfl. 55: 204, fig. 22a (1906), non typus speciei.
- F. suspensa** f. **variegata** (Butz), grad. nov.  
*Forsythia suspensa variegata* Butz in Pennsylv. Agric. State Coll. Rep. 1899–1900: 376, t. (1901). — Rehder in Bailey, Stand. Cycl. Hort. 3: 1268 (1915) "var."  
*Forsythia suspensa* var. *Fortunei* f. *aureo-variegata* Koehne in Gartenfl. 55: 204 (1906).
- F. suspensa** f. **decipiens** Koehne in op. cit. 205, fig. 22b (1906) "var. *Fortunei* f. d."
- F. suspensa** f. **pallida** Koehne in op. cit. 206 (1906) "var. *Fortunei* f. p." — Rehder in Bailey, Stand. Cycl. Hort. 3: 1268 (1915) "var." — Nakai, Trees Shrubs Jap. 1: 272 (1922).
- F. suspensa** f. **atrocaulis** Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 193 [1913] "var. *Fortunei* f. a." — Rehder, l. c. (1915) "var." — Sabourin in Rev. Hort. n. sér., 22: 206, t. fig. 2 (1930) "var."
- F. suspensa** f. **pubescens** Rehder in Sargent, Pl. Wilson. 1: 302 (1912). — Rehder, l. c. (1915) "var."
- F. intermedia** (*suspensa*  $\times$  *viridissima*) Zabel in Gartenfl. 34: 35, t. 1182, fig. 2–4 (1885)
- Forsythia intermedia divaricata* Koehne in Späth, Kat. 104: 94 (1899).
- Forsythia suspensa*  $\times$  *viridissima* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 113 (1920).
- Forsythia suspensa*  $\times$  *viridissima* f. *intermedia* Lingelsheim, l. c. (1920).
- F. intermedia** f. **vitellina** (Koehne) Schelle in Beissner et al., Handb. Laubh.-Ben. 413 (1903) "(f.)"
- Forsythia intermedia vitellina* Koehne in Späth, [Kat.] 104: 94 (1899). — Bean, Trees Shrubs Brit. Isl. 1: 558 (1914) "var. v."
- Forsythia vitellina* Koehne in Gartenfl. 55: 226, fig. 24, 25 (1900).
- Forsythia suspensa*  $\times$  *viridissima*: f. *vitellina* Lingelsheim, l. c. (1920).
- F. intermedia** f. **primulina** (Rehd.), grad. nov.  
*Forsythia intermedia* var. *primulina* Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 193 [1913].
- F. intermedia** f. **densiflora** (Koehne) Schelle in Beissner et al., Handb. Laubh.-Ben. 413 (1903).
- Forsythia intermedia densiflora* Koehne in Späth, [Kat.] 104: 94 (1899). — Bean, Trees Shrubs Brit. Isl. 1: 558 (1914) "var."
- Forsythia densiflora* Koehne in Gartenfl. 55: 229, fig. 27, 28 (1906).
- Forsythia suspensa*  $\times$  *viridissima*: f. *densiflora* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 113 (1920).
- F. intermedia** f. **spectabilis** (Koehne), grad. nov.  
*Forsythia spectabilis* Koehne in Gartenfl. 55: 227, fig. 26 (1906).
- Forsythia intermedia spectabilis* Späth in Mitt. Deutsch. Dendr. Ges. 1906(15): 216 [1907]. — Bean, Trees Shrubs Brit. Isl. 1: 558 (1914) "var. s."
- Forsythia suspensa*  $\times$  *viridissima*: f. *spectabilis* Lingelsheim, l. c. (1920).
- F. intermedia**  $\times$  **japonica** Sax in Arnoldia, 7: 10 (1947) "Arnold Dwarf"; nom. subnud. — Anon. in Horticulture, 25: 220, fig. (1947), nom. subnud.
- F. europaea** Degen & Baldacci in Oester. Bot. Zeitschr. 47: 406 (1897). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 110 (1920). — Markgraf in Mitt. Deutsch. Dendr. Ges. 1930(42): 1, 7, t. 1 (map), 3 (1930).
- F. europaea**  $\times$  **ovata** [?] Rehder, Man. Cult. Trees Shrubs, ed. 2, 776 (1940), nom.
- F. Giraldiana** Lingelsheim in Jahresber. Schles. Ges. Vaterl. Cult. 86(1908), 2b(Zool.-Bot. Sekt.): 1 (1908); in Engler, Pflanzenreich, IV. 243 (Heft 72): 110, fig. 11 (1920). — Sealy in Bot. Mag. 164: t. 9662 (1944). — McFarland in Flow. Grower, 33: 336, fig. (1946).
- F. viridissima** Lindley in Jour. Hort. Soc. Lond. 1: 226 (1846). — Lingelsheim, l. c. (1920).  
*Rangium viridissimum* Ohwi in Act. Phytotax. Geobot. 1: 140 (1932).
- F. viridissima** var. **koreana** Rehder in Jour. Arnold Arb. 5: 134 (1924). — Cf. Markgraf in Mitt. Deutsch. Dendr. Ges. 1930(42): 5 (1930).
- Forsythia suspensa* sensu Palibin in Act. Hort. Petrop. 18: 155 (Fl. Kor. 2: 9) (1900), non Vahl (1804).
- Forsythia viridissima* sensu Nakai in Jour. Coll. Sci. Tokyo, 31: 89 (Fl. Kor. II); Fl. Sylv. Kor. 10: 19, t. 2 (1921); non Lindley (1846).

**Forsythia viridissima** var. **koreana** (continued)

*Forsythia koreana* Nakai in Bot. Mag. Tokyo, **40**: 471 (1926); Iconogr. Pl. As. Or. **4**: 387 (1942).

*Rangium koreanum* Ohwi in Act. Phytotax. Geobot. **1**: 140 (1932).

**F. ovata** Nakai in Bot. Mag. Tokyo, **31**: 104 (1917); Fl. Sylv. Kor. **10**: 20, t. 3 (1921).

*Rangium ovatum* Ohwi, l. c. (1932).

**F. japonica** Makino in Bot. Mag. Tokyo, **28**: 105, fig. 4 (1914).—Nakai & Koidzumi, Trees Shrubs Jap. rev. ed., **1**: 359, fig. 168 (1927); Nakai, Iconogr. Pl. As. Or. **4**: 386 (1942).

*Rangium japonicum* Ohwi, l. c. (1932).

**F. japonica** var. **saxatilis** Nakai in Bot. Mag. Tokyo, **32**: 10 (1919).

*Forsythia saxatilis* Nakai, Fl. Sylv. Kor. **10**: 21 (1921); Iconogr. Pl. As. Or. **4**: 391, t. 124 (1941).

**F. japonica** var. **densiflora** (Markgr.), grad. nov.

*Forsythia densiflora* Nakai in Tokyo Bot. Mag. **44**: 28 (1930), non Koehne (1906).

*Forsythia japonica* f. *densiflora* Markgraf in Repert. Sp. Nov. Reg. Veg. **35**: 45 (1934).

*Forsythia velutina* Nakai, Iconogr. Pl. As. Or. **4**: 385, t. 123 (1941).

**SYRINGA** Linnaeus, Sp. Pl. **9** (1753); Gen. Pl. ed. 5, **9**, no. 22 (1754).—Bentham & Hooker f., Gen. Pl. **2**: 675 (1876).—Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 74 (1920).—McKelvey, Lilac Monogr. **581** pp., t. 1–171 (1928).

*Lilac* Miller, Gard. Dict. abridg. ed. **4**, **2** (1754).—Adanson, Fam. Pl. **2**: 223 (1763).—Grenier & Godron, Fl. France, **2**: 473 (1850).

*Liliacum* Renault, Fl. Dép. Orne, **100** (1800).

*Busbeckia* Hécart, Bosquets Agrém. **94** (1808), nom. subnud.

*Lilaca* Rafinesque, Med. Bot. **2**: 238 (1830).

LECTOTYPUS: *S. vulgaris* L.

Subgen. **I. EUSYRINGA** K. Koch, Dendr. **2**, **1**: 265 (1872).—Knoblauch in Nat. Pflanzenfam. IV. **2**: 8 [1892] "sect."—Rehder in McKelvey, Lilac, **11** (1928) "sect."

Ser. **1. VILLOSAE** Schneider in Repert. Sp. Nov. Reg. Veg. **9**: 80 (1910); Ill. Handb. Laubh. **2**: 778 (1911) "sect."—Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 75 (1920) "subsect."

**S. emodi** Wallich ex G. Don, Gen. Hist. Dichlam. Pl. **4**: 51 (1838).—McKelvey, Lilac, **17**, t. 3, **4** (1928).

*Syringa Emodi* Wallich, Num. List, no. 2831 [1831], nom.

*Syringa indica* Royle ex Lindley in Bot. Reg. **31**: t. 6 (1845), pro syn.

*Syringa vulgaris* var. *Emodi* De Jaubert, Invent. Cult. Trianon, **25** (1876).

*Syringa villosa* var. *Emodi* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1762 (1902).

**S. emodi** f. **aureo-variegata** (Rehd.) McKelvey, Lilac, **26** (1928).

*Syringa Emodi* var. *aureo-variegata* Lavallée, Arb. Segrez. **169** (1877), nom.—Rehder in Möller's Deutsch. Gärt.-Zeit. **14**: 207 (1899).

*Syringa Emodi variegata* Nicholson, Ill. Dict. Gard. **3**: 536 (1887).—Schelle in Beissner et al., Handb. Laubh.-Ben. **415** (1903) "f."—Non Van Keef (1887).

*Syringa villosa* var. *aureo-variegata* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1762 (1902).

**S. emodi** f. **aurea** [Carr.] Schelle in Beissner et al., Handb. Laubh.-Ben. **415** (1903).

*Syringa Emodi aurea* Carrière in Rev. Hort. **1886**: 547 (1886).—L. Henry in Jour. Hort. Soc. France, sér. **4**, **2**: 753 (1901) "(var.)"—Bean, Trees Shrubs Brit. Isl. **2**: 567 (1914) "var."

*Syringa villosa* var. *aurea* Rehder in Bailey, Cycl. Am. Hort. **[4]**: 1762 (1902).

**S. yunnanensis** Franchet in Rev. Hort. **1891**: 308, 332 (1891).—McKelvey, Lilac, **29**, t. 8–10 (1928).

**S. Josikaea** Jacquin f. ex Reichenbach, Iconogr. Bot. Pl. Crit. **8**: 32, t. 780 (1830).—Jacquin f. in Flora, **14**, **1**: 67 (1831).—McKelvey, Lilac, **33**, t. 11–15 (1928).

*Syringa Jacquinii* Graham in Edinb. New Philos. Jour. **15**: 385 (1833), pro syn.

*Syringa vincetoxifolia* Baumgarten msc. ex Steudel, Nom-encl. Bot. ed. **2**, **2**: 656 (1841), pro syn.

*Syringa prunifolia* Kitaibel msc. ex Borbas in Természetr. Füzet. **8**: 75, 313 (1884), pro syn.

*Syringa Wolfi* sensu Sargent in Bull. Arnold Arb. n. ser., **1**: 28 (1915), non Schneider (1910).

**S. Josikaea** f. **eximia** [Froebel] Schelle in Beissner et al., Handb. Laubh.-Ben. **415** (1903) "(f.)"—McKelvey, Lilac, **57** (1928).

*Syringa Josikaea "eximia"* Froebel, Kat. no. **124**: 78 (1899).—Olbrich in Möller's Deutsch. Gärt.-Zeit. **16**: 561, fig. (1901) "var."

*Syringa Henryi* var. *eximia* Rehder in Mitt. Deutsch. Dendr. Ges. **1915** (24): 227 [1916].

**S. Wolfi** Schneider in Repert. Sp. Nov. Reg. Veg. **9**: 81 (1910).—Lingelsheim in Engler, Pflanzenreich, IV. **243** (Heft 72): 79 (1920) "*Wolfi*."—McKelvey, Lilac, **63**, t. 16–20 (1928).

*Syringa villosa* sensu Komarov in Act. Hort. Petrop. **25**: 253 (Fl. Mansh. III) (1907), p. p.; non Vahl [1804].

*Syringa formosissima* Nakai in Bot. Mag. Tokyo, **31**: 105 (1917).

*Syringa hirsuta* var. *formosissima* Nakai in Bot. Mag. Tokyo, **32**: 133 (1918).

*Syringa robusta* f. *subhirsuta* et f. *glabra* Nakai, Fl. Sylv. Kor. **10**: 58 (1921), exclud. syn. Schneider.

**S. Wolfi** var. **hirsuta** [Schneid.] Hatusima in Bull. Univ. For. Kyushu Univ. **10**: 103 (1938) "*Wolfi* var. *h.*"—Rehder in Jour. Arnold Arb. **20**: 427 (1939).

*Syringa villosa* var. *hirsuta* Schneider in Repert. Sp. Nov. Reg. Veg. **9**: 81 (1910); Ill. Handb. Laubh. **2**: 780 (1911).

*Syringa hirsuta* Nakai in Bot. Mag. Tokyo, **32**: 132 (1918).

*Syringa formosissima* var. *hirsuta* Nakai, Fl. Sylv. Kor. **10**: 56, t. 25 (1921).

*Syringa robusta* Nakai, Fl. Sylv. Kor. **10**: 57 (1921).

**S. reflexa** Schneider in Repert. Sp. Nov. Reg. Veg. **9**: 80 (1910).—McKelvey, Lilac, **71**, t. 21–28 (1928).

**S. Prestoniae** (*S. reflexa* × *villosa*) McKelvey in Horticulture, n. s., **5**: 302, fig. (1927); Lilac, **109**, t. 45–47 (1928).

**S. sweginflexa** (*S. reflexa* × *Sweginzowii*) Hesse, [Cat.] **1935–36**: 76 (1935).—Anon. in Möller's Deutsch. Gärt.-Zeit. **51**: 393, fig. (1936).

**S. Komarowi** Schneider in Repert. Sp. Nov. Reg. Veg. **9**: 82 (1910).—McKelvey, Lilac, **75**, t. 29–33 (1928).

*Syringa Emodi* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **26**: 83 (1889), non G. Don (1834).

- Syringa Sargentiana* Schneider in Sargent, Pl. Wilson. 1: 298 (1912). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 81 (1920).
- Syringa Komarowii* var. *Sargentiana* Schneider in Sargent, Pl. Wilson. 3: 432 (1917).
- S. villosa** Vahl, Enum. Pl. 1: 38 [1804]. — McKelvey, Lilac, 81, t. 34-39 (1928).
- Syringa Emodi* sensu Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 40 (1879), p. p. quoad specim. David; non G. Don (1838).
- Syringa Emodi rosea* Cornu in Rev. Hort. 1888: 492, t. (1888). — Wittmack in Gartenfl. 44: 499, fig. 100 (1895) "var."
- Syringa Bretschneideri* Lemoine, Cat. no. 115: xix (1890). — E. Lemoine in Garden, 39: 91, fig. (1891).
- Syringa villosa* var. *rosea* Cornu ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1762 (1902). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 80 (1920).
- Syringa villosa* var. *glabra* Schneider in Bot. Jahrb. 36, Beibl. 82: 88 (1905).
- Syringa villosa* var. *typica* Schneider in Repert. Sp. Nov. Reg. Veg. 9: 81 (1910).
- Syringa rosea* (Cornu) Lingelsheim in Repert. Sp. Nov. Reg. Veg. 8: 9 (1910), nom. subnud. in textu.
- Syringa Emodi* var. *villosa* Hort. ex Sargent in Bull. Arnold Arb. n. ser., 3: 41 (1917), pro syn.
- Syringa glabra* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 81, fig. 3, E, F (1920).
- S. Henryi** (*S. Josikaea* × *villosa*) Schneider in Repert. Sp. Nov. Reg. Veg. 9: 81 (1910). — McKelvey, Lilac, 99 (1928).
- Syringa Emodi rosea* × *S. Josikaea* Dauthenay in Rev. Hort. 1897: 267 (1897).
- Syringa Bretschneideri* × *Josikaea* var. "Lutèce" Simon-Louis, Cat. 1900: 67 (1900). — L. Henry in Jour. Soc. Nat. Hort. France, sér. 4, 2: 755 (1901).
- Syringa Bretschneideri hybrida* L. Henry in Rev. Hort. 1902: 41 (1902).
- Syringa villosa* × *Josikaea* Schelle in Beissner et al., Handb. Laubh.-Ben. 415 (1903).
- Syringa Bretschneideri* sensu N. E. Brown in Bot. Mag. 136: t. 8292 (1910), quoad pl. depict., non Lemoine (1890).
- Syringa hybrida* hort. ex [Bean in] Kew Hand-list Trees Shrubs, ed. 3, 236 (1925).
- Syringa Emodi* var. *hybrida* ex [Bean in] op. cit. (1925) "*S. Emodi* × *vulgaris*"; pro syn.
- S. nanceiana** (*S. Henryi* × *Sweginzowii*) McKelvey, Lilac, 107 (1928).
- S. tomentella** Bureau & Franchet in Jour. de Bot. 5: 103 (1891, Apr.). — McKelvey, Lilac, 115, t. 48-54 (1928).
- Syringa velutina* Bureau & Franchet ex Franchet in Rev. Hort. 1891: 308, 333 (1891, July), nom.; per errorem pro *S. tomentella*? — Schneider in Wien. Ill. Gartenzeit. 28: 101 (1903). — Non Komarov (1901).
- Syringa emodi* var. *pilosissima* Schneider in op. cit. 107 (1903).
- Syringa Rehderiana* Schneider in Sargent, Pl. Wilson. 1: 299 (1912). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 83 (1920).
- Syringa Wilsonii* Schneider in op. cit. 300 (1912); 3: 433 (1917), pro syn. — Lingelsheim, l. c. (1920).
- Syringa albo-rosea* N. E. Brown in Kew Bull. 1914: 187 (1914). — Lingelsheim, l. c. (1920).
- Syringa Adamiana* Balfour & W. W. Smith in Notes Bot. Gard. Edinb. 9: 13 (1916).
- Syringa tomentosa* (Kesselring) in Gartenwelt, 28: 278 (1924), sphalm. pro *tomentella* (abstr. ex Schweiz. Obst- & Gartenbau-Zeit. 1924).
- Syringa tomentella* var. *Rehderiana* (Schneid.) Rehder in Jour. Arnold Arb. 7: 34 (1926).
- S. Sweginzowii** Koehne & Lingelsheim in Repert. Sp. Nov. Reg. Veg. 8: 9 (1910). — McKelvey, Lilac, 123, t. 55-60 (1928).
- Syringa pubescens* Hort. ex Schneider in Mitt. Deutsch. Dendr. Ges. 1911(20): 230 (1911), pro syn.; non Turczaninov (1840).
- Syringa tetanoloba* Schneider in Sargent, Pl. Wilson. 1: 299 (1912); 3: 433 (1917), pro syn. — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 82 (1920).
- Syringa Sweginzowii superba* Lemoine, Cat. no. 189: 23 (1925). — Anon. in Gard. Chron. ser. 3, 64: 27, fig. 11 (1918). — Boerner in Mitt. Deutsch. Dendr. Ges. 44 (1932): 52, fig. II, B (1932) "var."
- Ser. 2. PUBESCENTES (Schneid.) Lingelsheim in op. cit. 87 (1920) "subsect. *Vulgares* ser. P." — Rehder in Jour. Arnold Arb. 26: 76 (1945).
- Syringa* subgen. *Eusyringa* sect. *Vulgares* subsect. *P.* Schneider in Repert. Sp. Nov. Reg. Veg. 9: 79 (1910), nom. subnud.; Ill. Handb. Laubh. 2: 772 (1911). — Rehder in McKelvey, Lilac, 11 (1928) "sect. *Eusyringa* ser. *Vulgares* subser. *P.*"
- S. Julianae** Schneider, Ill. Handb. Laubh. 2: 777, fig. 488v-x (1911); in Kew Bull. 1912: 37 (1912); in Bot. Mag. 138: t. 8423 (1912) — McKelvey, Lilac, 131, t. 61-66 (1928).
- Syringa villosa* hort. Veitch ex Prain in Bot. Mag. 138: t. 8323, p. [1] (1912), pro syn.
- Syringa verrucosa* Schneider in Sargent, Pl. Wilson. 1: 298 (1912). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 95 (1920).
- S. Potanini** Schneider in Repert. Sp. Nov. Reg. Veg. 9: 80 (1910); Ill. Handb. Laubh. 2: 777, fig. 487l-m, 488a-c, s-u (1911). — McKelvey, Lilac, 144 (1928).
- Syringa velutina* sensu Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 86 (1920), p. p. quoad syn. *S. Potanini*; non Komarov (1901).
- S. pinetorum** W. W. Smith in Notes Bot. Gard. Edinb. 9: 132 (1916). — McKelvey, Lilac, 149 (1928).
- S. velutina** Komarov in Act. Hort. Petrop. 18: 428 (Sp. Nov. Fl. As. Or. 12) (1901). — McKelvey, Lilac, 135, t. 67-73 (1928).
- Ligustrum patulum* Palibin in Act. Hort. Petrop. 18: 156 (Consp. Fl. Kor. 2: 10) (1900).
- Syringa tomentella* sensu Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 113 (1910), quoad syn. Komarov; non Bureau & Franchet (1891).
- Syringa Fauriei* sensu Nakai in Bot. Mag. Tokyo, 32: 129 (1918), non Léveillé (1910).
- Syringa Koehneana* Schneider, Ill. Handb. Laubh. 2: 1063, fig. 627a-e (1912).
- Syringa Palibiniana* Nakai in Bot. Mag. Tokyo, 27: 32 (1913).
- Syringa villosa* var. *lactea* Nakai in op. cit. 28: 330 (1914).
- Syringa micrantha* Nakai in op. cit. 32: 129 (1918); Fl. Sylv. Kor. 10: 49, t. 19 (1921).
- Syringa Fauriei* var. *lactea* Nakai in Bot. Mag. Tokyo, 32: 130 (1918).
- Syringa Kamibayashii* Nakai, l. c. (1918).
- Syringa venosa* Nakai in op. cit. 130 (1918); Fl. Sylv. Kor. 10: 53, t. 23 (1921).

***Syringa velutina* (continued)**

*Syringa venosa* var. *lactea* Nakai in op. cit. 131 (1918); l. c. (1921).

*Syringa Palibiniana* var. *lactea* Nakai, Fl. Sylv. Kor. 10: 52 (1921).

*Syringa Palibiniana* var. *Kamibayashii* Nakai, op. cit. 52, t. 22 (1921).

**S. microphylla** Diels in Bot. Jahrb. 29: 531 (1901).—McKelvey, Lilac, 151, t. 74-79 (1928).

*Syringa persica* sensu Kanitz in Magyar Tudom. Akad. Ertek. Termesz. Köréb. 15,2: 8 (1885); in Math. Naturwiss. Ber. Ungarn, 3: 7 (1885); in Széchenyi, Wiss. Ergebn. Reise Ostas. 2: 715 (Result. Bot. Samml.) (1898); non Linnaeus (1753).

*Syringa pubescens* var. *tibetica* Batalin in Act. Hort. Petrop. 13: 378 (1894).

*Syringa villosa* sensu Diels in Bot. Jahrb. 29: 532 (1901), non Vahl [1804].

*Syringa Dielsiana* Schneider in Bot. Jahrb. 36, Beibl. 82: 88 (1905).

*Syringa tsinlingiana* Schneider, l. c. (1905), nom.

*Syringa microphylla* var. *glabriuscula* Schneider in Sargent, Pl. Wilson. 1: 301 (1912); 3: 433 (1917), pro syn.

*Syringa Schneideri* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 86 (1920).

**S. pubescens** Turczaninov in Bull. Soc. Nat. Moscou, 13: 73 (1840).—McKelvey, Lilac, 159, t. 80-85 (1928).

*Syringa villosa* β. *ovalifolia* De Candolle, Prodr. 8: 283 (1844).

*Syringa villosa* sensu Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 41 (1879).—Hooker f. in Bot. Mag. 115: t. 7064 (1889).—Non Vahl [1804].

*Syringa villosa angustifolia* De Candolle ex L. Henry in Jour. Soc. Hort. France, sér. 4,2: 728 (1901), pro syn.

*Syringa villosa* var. *pubescens* Anon. in Gard. Chron. ser. 3, 38: 123, fig. 43 (1905).

*Syringa pubescens* var. *typica* f. *pilosa* Schneider in Repert. Sp. Nov. Reg. Veg. 9: 80 (1910).

**S. Meyeri** Schneider in Sargent, Pl. Wilson. 1: 301 (1912).—McKelvey, Lilac, 169, t. 86-91 (1928).

Ser. 3. **VULGARES** Rehder in McKelvey, op. cit. 11 (1928) "sect. *Eusyringa* ser. V."; exclud. subser. *Pubescentes*; in Jour. Arnold Arb. 26: 76 (1945).

*Syringa* subgen. *Eusyringa* sect. *Vulgares* subsect. *Euvulgares* Schneider in Repert. Sp. Nov. Reg. Veg. 9: 79 (1910), nom. subnud.; Ill. Handb. Laubh. 2: 772 (1911).—Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 87 (1920) "sect. *Eusyringa* subsect. *Vulgares* ser. *Euvulgares*."

**S. oblata** Lindley in Gard. Chron. 1859: 868 (1859).—McKelvey, Lilac, 175, t. 92-94 (1928).

*Syringa chinensis* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 116 (Enum. Pl. Chin. Bor. 42. 1833) (1835), non Willdenow (1796).

*Syringa vulgaris* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 83 (1889), non Linnaeus (1753).

*Syringa vulgaris* var. *oblata* Franchet in Rev. Hort. 1891: 330 (1891).

*Syringa oblata* var. *a. typica* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 88 (1920).

**S. oblata** var. *alba* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1763 (1902).—Schelle in Beissner et al., Handb. Laubh.-Ben. 414 (1903) "f."—Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 88 (1920) "var. *a. typica* f. *a*."

*Syringa affinis* L. Henry in Jour. Soc. Hort. France, sér. 4, 2: 731 (1901); in Rev. Hort. n. sér., 8: 301, fig. 112 (1908).

*Syringa oblata* var. *affinis* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 88 (1920).—McKelvey, Lilac, 188, 192 (1928).

**S. oblata** var. *Giraldii* (Lemoine) Rehder in Jour. Arnold Arb. 7: 34 (1926); 9: 110 (1928).—McKelvey, Lilac, 182, t. 95-99 (1928).

*Syringa oblata* sensu Diels in Bot. Jahrb. 29: 531 (1901), p. p. quoad specim. cit. Giraldi 1643.—Non Lindley (1859).

*Syringa villosa* Giraldi Sprenger, 3rd List Pl. [2] (1903), nom.—Lemoine, Cat. no. 155: viii (1903), pro syn.

*Syringa Giraldi* Lemoine, Cat. no. 157: 35 (1904).—Sprenger in Mitt. Deutsch. Dendr. Ges. 1907(16): 68 [1908] "*Giraldii*."

*Syringa affinis* sensu Schneider in Bot. Jahrb. 36, Beibl. 82: 87 (1905), p. p. quoad specim. cit. Giraldi 737; non L. Henry (1901).

*Syringa affinis* var. *Giraldi* Schneider in Repert. Sp. Nov. Reg. Veg. 9: 80 (1910).

*Syringa oblata* var. *typica* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 88 (1920), p. p. quoad specim. cit. Giraldi.

*Syringa affinis* *Geraldiana* Sargent in Bull. Arnold Arb., n. ser. 8: 23 (1922), non *S. Giraldiana* Schneider (1911).

**S. oblata** var. *dilatata* (Nakai) Rehder in Jour. Arnold Arb. 7: 34 (1926).—McKelvey, Lilac, 186, t. 100-106 (1928).

*Syringa amurensis* sensu Nakai in Jour. Coll. Sci. Tokyo, 31: 90 (Fl. Kor. II) (1911), non Ruprecht (1857).

*Syringa oblata* sensu Nakai in op. cit. 517 (1911), non Lindley (1859).

*Syringa oblata* var. *a. typica* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 88 (1920), p. p. quoad specim. cit. Faurie 516.

*Syringa dilatata* Nakai in Bot. Mag. Tokyo, 32: 128 (1918); Fl. Sylv. Kor. 10: 48, t. 18 (1921).

**S. oblata** f. *pendula* Rehder in Jour. Arnold Arb. 26: 77 (1945) "var. *dilatata* f. *p*."

**S. hyacinthiflora** (*S. oblata* × *vulgaris*) (Lemoine) Rehder in Möller's Deutsch. Gärtn.-Zeit. 14: 206 (1899), emend.—McKelvey, Lilac, 193, t. 107-118 (1920).

*Syringa hyacinthiflora flore pleno* Lemoine ex Carrière in Rev. Hort. 1876: 299 (1876).

*Syringa hyacinthiflora plena* Lemoine, [Cat.] no. 78: 6 (1878); no. 88: 23 (1881).

*Syringa hybrida hyacinthiflora plena* Lemoine, [Cat.] no. 94: 25 (1883).

*Syringa vulgaris hyacinthiflora* Dieck, Haupt-Cat. Zöschen, 78 (1885), nom.

*Syringa oblata* var. *a. typica* f. *hyacinthiflora* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 88 (1920), nom.

**S. vulgaris** Linnaeus, Sp. Pl. 9 (1753).—McKelvey, Lilac, 201, t. 119-133 (1928).

[*Syringa caerulea* Jonston, Hist. Nat. Arb. 2: 219, t. 122, fig. (1769)], nomencl. prae-Linn.

*Lilac vulgaris* Lamarck, Fl. Franç. 2: 305 (1778); Encycl. Méth. Bot. 3: 512 [1791].

*Lilac vulgare* Allioni, Fl. Pedemont. 1: 83 (1785).

*Syringa latifolia* Salisbury, Prodr. Stirp. Chap. Allert. 13 (1796).

*Liliacum vulgaris* Renault, Fl. Dép. Orne, 100 (1804).

- Syringa vulgaris* [Thuriart], Cat. Pl. Arbust. Jard. Bot. Cologne, sér. 3 (Arb.): 1 (1806) "*Syringa*" in indice.
- Busbeckia Lilac* Hecart, Bosquets Agrém. 94 (1808), nom. subnud.
- Lilac vulgaris* Rafinesque, Med. Bot. 2: 238 (1830).
- Syringa cordifolia* Stokes, Bot. Comment. 31 (1830).
- ?*Lilac sterilis* Lavy, État. Gén. Vég. 12 (1830) "fleurs nulles, feuilles en cœur persistants." [?]
- Syringa officinalis* Linnaeus ex Thompson, Fl. Pl. Riviera, 156 (1914).
- Lilac coerulea* Lunell in Am. Midland Nat. 4: 506 (1916).
- S. vulgaris f. alba** [Weston] Voss, Vilmor. Blumengärt. 1: 652 [1895].
- Syringa vulgaris* 4. *alba* Weston, Bot. Univ. 1: 289 (1770). — Aiton, Hort. Kew. 1: 15 (1789). "γ." — McKelvey, Lilac, 234 (1928) "var."
- Lilacum alba* Renault, Fl. Dép. Orne, 100 (1804).
- Syringa albiflora* Opiz, Naturalientausch, 10: 239 (1825).
- Syringa vulgaris* var. *S. albiflora* Bluff & Fingerhut, Fl. Germ. 1: 11 (1825).
- Syringa cordifolia* γ. *alba* Stokes, Bot. Comment. 32 (1830).
- Syringa vulgaris* var. *S. alba* Reichenbach, Fl. Germ. Excurs. 1: 433 (1830).
- Lilac vulgaris* var. *alba* Jacques & Herincq, Man. Gén. Pl. 3: 54 [? 1847].
- S. vulgaris f. coerulea** [Weston] Schelle in Beissner et al., Handb. Laubh.-Ben. 414 (1903). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 89 (1920).
- Syringa vulgaris* 4. *coerulea* Weston, Bot. Univ. 1: 289 (1770). — A. Dietrich in Linnaeus, Sp. Pl. ed. 6, 1: 247 (1831) "β."
- Syringa cordifolia* α. *caerulescens* Stokes, Bot. Comment. 31 (1830).
- Lilac vulgaris* var. *coerulea* Jacques & Herincq, Man. Gén. Pl. 3: 54 [? 1847].
- S. vulgaris f. purpurea** [Weston] hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 413 (1903) "(f.)", nom.
- Syringa vulgaris* 5. *purpurea* Weston, Bot. Univ. 1: 289 (1770). — Aiton, Hort. Kew. 1: 15 (1789) "β." — McKelvey, Lilac, 239 (1928), p. p.
- Syringa cordifolia* β. *purpurascens* Stokes, Bot. Comment. 32 (1830).
- Syringa vulgaris* var. *rubra* Loddiges ex Loudon, Arb. Brit. 2: 1209 (1838).
- Lilac vulgaris* var. *purpurea* Jacques & Herincq, Man. Gén. Pl. 3: 54 [? 1847].
- Syringa vulgaris* 20. *Marlyensis* Kirchner in Petzold & Kirchner, Arb. Muscav. 495 (1864).
- Syringa vulgaris* f. *purpurea Marlyensis* Schelle in Beissner et al., Handb. Laubh.-Ben. 413 (1903).
- S. vulgaris f. violacea** [Ait.] Schelle in Beissner et al., Handb. Laubh.-Ben. 413 (1903), nom. — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 89 (1920), nom.
- Syringa vulgaris* β. *violacea* Aiton, Hort. Kew. 1: 15 (1789). — McKelvey, Lilac, 239 (1928), pro syn.
- Syringa vulgaris* α. *lilacina* Sweet, Hort. Brit. 272 (1827). — Schelle in op. cit. 414 (1903) "f.", nom. — Lingelsheim, l. c. (1920) "f.", nom.
- Lilac vulgaris* var. *violacea* Jacques & Herincq, Man. Gén. Pl. 3: 54 [? 1847].
- S. vulgaris f. plena** (Oudin), grad. nov.
- Syringa vulgaris plena* Oudin, Cat. 1841: 22 (1841). — Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1763 (1902) "var."
- Syringa vulgaris flore pleno* Prince, Cat. 1844-45: 70 (1844), nom. — Kirchner in Petzold & Kirchner, Arb. Muscav. 495 (1864).
- Syringa vulgaris* 2b. *duplex* Kuntze, Taschen-Fl. Leipzig, 82 (1867).
- S. rhodopea** Velenovsky, Rel. Mrkvickanae, 20 (1922). — Stoianoff & Stefanoff, Fl. Bulgar. 2: 876 (1925). — McKelvey, Lilac, 217 (1928), sub *S. vulgaris*. — Rehder, Man. Cult. Trees Shrubs ed. 2, 782 (1940).
- S. chinensis** [*S. persica* × *vulgaris*] Willdenow, Berlin. Baumz. 378 (1796). — McKelvey, Lilac, 401, t. 138 (1928).
- Lilac vulgaris* γ. Lamarck, Encycl. Méth. Bot. 3: 512 [1791].
- Syringa chinensis* Franz Schmidt, Oester. Baumz. 2: 29 (1794), nom.
- Lilac media* Dumont de Courset, Bot. Cult. 1: 709 (1802).
- Syringa persica* v. *latifolia* [W. Salisbury], Cat. Brompton Bot. Gard. 1: 1 (1803); W. Salisbury, Cat. London Bot. Gard. 1: 1 (1809) nom.
- Lilacum Rothomagensis* Renault, Fl. Dép. Orne, 100 (1804).
- Lilac Persica Rothomagensis* Mirbel in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 2: 208, t. 63 [1804].
- Lilac varina* Dumont de Courset, Bot. Cult. 5: 124 (1805). — L. Henry in Rev. Hort. 1901: 69, fig. 21, 22 (1901).
- Syringa dubia* Persoon, Syn. Pl. 1: 9 (1805). — Foussat in Jour. Soc. Nat. Hort. France, sér. 3, 18: 910 (1896).
- Syringa media* H[ort.] P[aris] ex M[ordant] D[e] L[auunay] in Bon Jardinier, 1805 (L'an 13): 584 (1805). — Loudon, Arb. Brit. 2: 1212 (1838).
- Syringa Rothomagensis* H[ort.] P[aris] ex M[ordant] D[e] L[auunay], l. c. (1805). — A. Richard in Dict. Class. Hist. Nat. 9: 401 (1826).
- Syringa chinensis* Thuriart, Cat. Pl. Arbust. Jard. Bot. Cologne, sér. 3: 1 (1806) "*Syringa*" in indice.
- Lilac rothomagensis* Poiteau & Turpin, Fl. Paris. 1: 9, t. 6 (1813).
- Lilac chinensis* Willdenow ex Jaume St. Hilaire, Pl. France, 7: t. 156 (1820).
- Syringa sinensis* [Hort. Angl.] ex A. Richard in Dict. Class. Hist. Nat. 9: 401 (1826), pro syn.
- Syringa persica* δ. *ovata* Stokes, Bot. Comment. 33 (1830).
- Syringa sibirica* Hort. ex Loudon, Arb. Brit. 2: 1212 (1838), pro syn.
- Syringa speciosa* Hort. ex Spach, Hist. Nat. Vég. Phan. 8: 282 (1839), pro syn.
- Lilac Persica* var. *dubia* Jacques & Herincq, Man. Gén. Pl. 3: 54 [? 1847].
- Syringa intermedia* Persoon ex Gay in Bull. Soc. Bot. France, 7: 308 (1860).
- Syringa Varina* Dumont de Courset ex [K. Koch] in Wochenschr. Ver. Beförd. Gartenb. Preuss. 12: 43 (1869).
- Syringa vulgaris* var. *dubia* Franchet in Rev. Hort. 1891: 330 (1891).
- Syringa Persica Rothomagensis* Mouillefert, Traité Arb. Arbriss. 2: 998 [1896].
- Syringa hybrida rothomagensis* E. H. L. Krause in Sturm, Fl. Deutschl. ed. 2, 10: 41 (1903).
- S. chinensis f. alba** [Kirchn.] Schelle in Beissner et al., Handb. Laubh.-Ben. 414 (1903). — McKelvey, Lilac, 412, t. 137, 139 (1928).
- Syringa dubia* b. *alba* Audibert, Cat. 1817: 23 (1817), nom. — Dippel, Handb. Laubh. 1: 114 (1889) "f."
- Syringa sinensis alba* Leroy, Cat. 1856: 85 (1856), nom.



***Syringa chinensis* f. *alba* (continued)**

- Syringa rothomagensis* 2. *alba* Kirchner in Petzold & Kirchner, Arb. Muscav. 493 (1864).  
*Syringa correlata* A. Braun in Sitzber. Ges. Naturf. Fr. Berlin, 1873: 69 (1873).  
*Syringa rothomagensis* b. *albida* hort. ex Klinge, Holzgew. Est-, Liv- & Curland, 25 (1883).  
*Syringa bicolor* Borbás in Természett. Közl. 25: 496 (1893).  
*Syringa dichroa* Borbás in Kert, 1: 245, t. (1895).—Schneider, Ill. Handb. Laubh. 2: 1062 (1912).

**S. chinensis f. *metensis* [Simon-Louis] Schelle in Beissner et al., Handb. Laubh.-Ben. 414 (1903).—McKelvey, Lilac, 420 (1928).**

- Syringa rothomagensis metensis* Simon-Louis, Prosp. Cat. 1871-72: ? (1871), nom.—Bonard in Hort. Franç. 1871: 350 (1871), sphalm. "*rathomagensis*."—Dieck, Haupt-Cat. Zösch, 77 (1885), nom.  
*Syringa dubia* f. *metensis* Hort. ex Dippel, Handb. Laubh. 1: 114 (1889).—Voss, Vilmor. Blumengärt. 1: 653 [1895].  
*Syringa dubia rothomagensis metensis* Lemoine in Rev. Hort. 1900: 373 (1900); in Jour. Hort. Soc. Lond. 24: 302, fig. 116 (1900).

**S. chinensis f. *Saugeana* (Loud.) McKelvey, Lilac, 421, t. 134-136 (1928).**

- Syringa rothomagensis* var. *saugeana* Hort. ex Loudon, Arb. Brit. 2: 1212 (1838).  
 ?*Syringa coccinea* Loddiges, Cat. 1836: 66 (1836), nom.—Loudon, l. c. (1838), pro syn.  
*Syringa chinensis rubra* Loddiges, op. cit. 67 (1836), nom.—Loudon, l. c. (1838), pro syn.—Schelle in Beissner et al., Handb. Laubh.-Ben. 415 (1903) "(f.)"—Schneider in Silva Tarouca, Uns. Freil.-Laubgeh. 360 (1913) "var."  
*Syringa saugeana* Leroy, Cat. Suppl. 1850: 9 (1850).  
*Syringa rothomagensis saugeana rubra* Leroy, Cat. 1851: 85 (1851).  
*Syringa Marlyi* Dauvesse, Cat. no. 24: 42 (1859).  
*Syringa rothomagensis sanguinea* Dauvesse, l. c. (1859), nom.  
*Syringa persica Saugeana* Van Houtte, Cat. no. 152-AA: 27 (1873), nom.  
*Syringa dubia* var. *sanguinea* Lavallée, Arb. Segrez. 168 (1877), nom.  
*Syringa sinensis ruberrima* Froebel, Cat. no. 90: 78 (1880).  
*Syringa dubia* f. *rubra* Loddiges ex Dippel, Handb. Laubh. 1: 114 (1889).

**S. chinensis f. *duplex* (Lemoine) Schelle in Beissner et al., Handb. Laubh.-Ben. 415 (1903).—McKelvey, Lilac, 419 (1928).**

- Syringa varina duplex* Lemoine, Cat. no. 134: ix (1896).—E. Lemoine in Jour. Hort. Soc. Lond. 24: 307, fig. 121 (1900).  
*Syringa chinensis duplex* Rehder in Möller's Deutsch. Gärt.-Zeit. 14: 206 (1899).—Bean, Trees Shrubs Brit. Isl. 2: 566 (1914) "var."

**S. persica [*S. afghanica* × *laciniata*] Linnaeus, Sp. Pl. 9 (1753), exclud. β.—Miller, Gard. Dict. ed. 8, S. no. 2 (1768).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 90 (1920).—McKelvey, Lilac, 433, t. 143, 146, 148 (1928).—Rehder in Jour. Arnold Arb. 26: 75 (1945).**

- Syringa persica* a. Linnaeus, Sp. Pl. 9 (1753).  
*Syringa persica* 3. *caerulea* Weston, Bot. Univ. 1: 289 (1770).

*Lilac persica* et *L. persica* a. Lamarck, Encycl. Méth. Bot. 3: 513 [1791].—Lunell in Am. Midland Nat. 4: 507 (1916).

*Lilac minor* Moench, Meth. Pl. 431 (1794).

*Syringa angustifolia* Salisbury, Prodr. Stirp. Chap. Allert. 14 (1796).

*Syringa persica* a. *integrifolia* Vahl, Enum. Pl. 1: 38 [1804].

*Lilac persica ligustrina* Mirbel in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 2: 207 [1804].

*Lilium persica* Renault, Fl. Dép. Orne, 100 (1804).

*Lilac persica* a. *integrifolia* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 495 (1805).

*Syringa persica* Thuriart, Cat. Pl. Arbust. Jard. Bot. Cologne, sér. 3: 1 (1806) "*Syringa*" in indice.

*Syringa persica* a. *lanceolata* Audibert, Cat. 1817: 23 (1817), nom.

*Syringa ligustrina* Audibert, l. c. (1817), pro syn.

*Syringa persica* a. *lilacina* Sweet, Hort. Brit. 272 (1827).

*Syringa persica* a. *purpurascens* Stokes, Bot. Comment. 32 (1830).

*Syringa vulgaris* var. *persica* De Jaubert, Invent. Cult. Trianon, 25 (1876).

*Syringa persica rosea* L. Henry in Jour. Soc. Nat. Hort. France, sér. 4, 2: 741 (1901).

*Syringa dubia persica* Krause in Sturm, Fl. Deutschl. ed. 2, 10: 41 (1903).

*Syringa persica* var. *typica* Schneider, Ill. Handb. Laubh. 2: 775, fig. 485k-n, 486n-q (1911).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 90 (1920), p. p.

**S. persica f. *alba* [Weston] Voss, Vilmor. Blumengärt. 1: 654 [1895].**

- Syringa persica* 2. *alba* Weston, Bot. Univ. 1: 289 (1770).—Aiton, Hort. Kew. 1: 15 (1789) "β."—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 91 (1920) "var. a. *typica* f. a."; exclud. "*S. Steenkruysii*."—McKelvey, Lilac, 463 (1928).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 782 (1940), exclud. *S. Steenkruysii*.  
*Syringa persica* β. *albida* Stokes, Bot. Comment. 32 (1830).  
*Syringa persica nivea* W. R. Prince, Cat. 1847: 36 (1847).

**S. laciniata Miller, Gard. Dict. ed. 8, S. no. 3 (1768).—Duroi, Harbk. Baumz. 2: 447 (1772).—K. C. Gmelin, Fl. Badens. 1: 14 (1805).—Rehder in Jour. Arnold Arb. 26: 74 (1945).**

*Syringa persica* β. Linnaeus, Sp. Pl. 9 (1753).

*Syringa persica* 4. *laciniata* Weston, Bot. Univ. 1: 289 (1770).—Aiton, Hort. Kew. 1: 15 (1789) "γ."—Voss, Vilmor. Blumengärt. 1: 643 [1895] "f."—McKelvey, Lilac, 450, t. 140-147 (1928) "var."

*Syringa capitata* S. G. Gmelin, Reise Russl. 3: 304, t. 32, fig. 1 (1774).

*Lilac persica* β. Lamarck, Encycl. Méth. Bot. 3: 513 [1791].

*Lilac Persica laciniata* Dumont de Courset, Bot. Cult. 1: 709 (1802), pro syn.—Mirbel in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 2: 208 [1804].

*Lilium laciniata* Renault, Fl. Dép. Orne, 100 (1804).

*Syringa persica laciniata* Thuriart, Cat. Pl. Arb. Jard. Bot. Cologne, sér. 3: 1 (1806), "*Syringa*" in indice.

*Syringa persica* γ. *pteridifolia*, Bosse, Handb. Blumengärt. 3: 461 (1842).—Lingelsheim in Engler, Pflanzenreich, IV. 243(Heft 72): 91 (1920) "var. a. *typica* f. p."; nom.

*Syringa Persica* var. *pinnata* Jacques in Ann. Fl. Pomone, sér. 2, 1: 274, t. (1843).—Voss, Vilmor. Blumengärt. 1: 653 [1895] "f."—Lingelsheim in op. cit. (1920) "var. *typica* f. p."; nom.

*Syringa apifolia* Oudin, Cat. 1846-47: 17 (1846), nom.

- Lilac persica* var. *pinnata* Jacques & Herincq, Man. Gén. Pl. 3: 54 [?1847].
- Syringa mimosafolia* Ellwanger & Barry, Cat. 1848-49: 32 (1848).
- Syringa pinnata* Hovey, Cat. 1850-51: 12 (1850).
- Syringa persica nana pinnata* Leroy, Cat. 1851: 48 (1851).
- Syringa Persica Mimosafolia* Dauvesse, Cat. no. 24: 42 (1859). — Carrière in Rev. Hort. 1878: 454, fig. 95 (1878) "*mimosaeifolia*." — Mouillefert Traité Arb. Arbriss. 2: 999 [1897] "var. *laciniata* subvar. *mimosaeifolia*."
- Syringa pteridifolia* Hort. [ex K. Koch] in Wochenschr. Ver. Beförd. Gartenb. Preuss. 12: 43 (1869), pro syn.
- Syringa persica heterophylla* L. Henry in Jardin, 8: 200 (1894), pro syn.
- Syringa filicifolia* Bean in Garden, 53: 276 (1898), pro syn.
- S. laciniata** × **oblata** Rehder in Jour. Arnold Arb. 26: 75-76 (1945), in textu.
- S. laciniata** × **vulgaris** Sax in Arnoldia, 7: 12 (1947), nom.
- Ser. 3. PINNATIFOLIAE Rehder in Jour. Arnold Arb. 20: 427 (1939).
- S. pinnatifolia** Hemsley in Gard. Chron. ser. 3, 39: 68 (1906); in Repert. Sp. Nov. Reg. Veg. 4: 365 (1907). — McKelvey, Lilac, 469, t. 149-154 (1928).
- S. diversifolia** (*S. oblata* var. *Giraldi* × *pinnatifolia*) Rehder in Jour. Arnold Arb. 16: 362 (1935).
- S. laciniata** × **pinnatifolia** Sax in Arnoldia, 7: 12 (1947), nom.
- Subgen. II. LIGUSTRINA (Rupr.) K. Koch, Dendr. 2,1: 271 (1872). — Schneider, Ill. Handb. Laubh. 2: 783 (1911).
- Syringa (Ligustrina)* Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 371 (in Mém. Biol. 2: 551. 1858) (1857), sectio in textu. — McKelvey, Lilac, 12 (1928) "*S. sect. L.*"
- Ligustrina* Ruprecht in Beitr. Pflanzenk. Russ. Reich. 11: 55 (1859).
- S. pekinensis** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 371 (in Mém. Biol. 2: 551. 1858) (1857) "*S. (Ligustrina) pekinensis*." — McKelvey, Lilac, 491, t. 166-171 (1928).
- Syringa (Ligustrina) amurensis* β. *pekinensis* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 194 (Prim. Fl. Amur.) (1859). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 94 (1920).
- Ligustrum pekinense* Ruprecht ex K. Koch, Dendr. 2,1: 272 (1872), sphalm. pro *Ligustrina p.*; pro syn.
- Ligustrina amurensis* β. *pekinensis* Maximowicz in Bull. Acad. Sci. St. Pétersb. 20: 431 (in Mém. Biol. 9: 395) (1875).
- Syringa amurensis* sensu Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 6: 85 (Pl. David. 1: 205. 1884) (1883), p. p.; non Ruprecht (1857).
- Ligustrina Amurensis* sensu Kanitz in Magyar Tudom. Acad. Ertek. Termesz. Kör. 15,2: 8 (1885); in Széchenyi, Wiss. Ergeb. Reise Ostas. 2: 715 (1898); non Ruprecht (1857).
- Ligustrina pekinensis* Hort. Berol. ex Dieck, Haupt-Cat. Zöschchen, 45 (1885) "*Peckinensis*." — Dieck ex Carrière in Rev. Hort. 1886: 398 (1886). — Regel ex Dippel, Handb. Laubh. 1: 119 (1889), pro syn. — Mottet, Arb. Arbust. Orn. 342 (1925).
- S. pekinensis** f. **pendula** [Temple] Dippel, Handb. Laubh. 1: 119 (1889). — Rehder in Möller's Deutsch. Gärtner-Zeit. 14: 208 (1899) "var."
- Syringa ligustrina Pekinensis* var. *pendula* Temple in Gard. Monthly, 29: 35 (1887).
- Syringa vulgaris pendula* L. Henry in Jardin, 4: 126 (1890).
- Ligustrina pekinensis* var. *pendula* Grosdemange in Jardin, 8: 16 (1894).
- S. amurensis** Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 371 (in Mém. Biol. 2: 551. 1858) (1857). — McKelvey, Lilac, 473, t. 155-159 (1928).
- Ligustrina amurensis* Ruprecht in Beitr. Pflanzenk. Russ. Reich. 11: 55, 72 (1859); Decas Pl. Amur. 10, t. 9 (1869).
- Syringa amurensis a. genuina* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 193 (Prim. Fl. Amur.) (1859). — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 93, fig. 7c (1920), exclud. syn. *S. Fauriei*. — Nakai, Fl. Sylv. Kor. 10: 45, t. 17 (1921).
- Syringa ligustrina* Leroy, Cat. 1868: 99 (1868). — K. Koch, Dendr. 2,1: 272 (1872), pro syn.
- Ligustrina amurensis a. mandshurica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 20: 431 (in Mém. Biol. 9: 395) (1875).
- Syringa ligustriflora* Hort. ex Carrière in Rev. Hort. 1877: 454 (1877), pro syn.
- Pseudosyringa Amurensis* Carrière msc. ex Carrière, l. c. (1877), pro syn.
- Syringa (Ligustrina) rotundifolia* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 44 (1879).
- Syringa japonica* sensu Nicholson, Ill. Dict. Gard. 3: 536 (1887), non Decaisne (1879).
- Syringa amurensis* var. *mandshurica* Korshinsky in Act. Hort. Petrop. 12: 369 (Pl. Amur.) (1892).
- Syringa amurensis* var. δ. *rotundifolia* Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 94 (1920).
- S. amurensis** var. **japonica** (Maxim.) Franchet & Savatier, Enum. Pl. Jap. 2: 435 [?1878] "γ." — Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 94 (1920) "var. γ." — McKelvey, Lilac, 482, t. 160-165 (1928).
- Ligustrum reticulatum* Blume, Mus. Bot. Lugd.-Bat. 1: 313 (1850). — Koehne in Festschr. 70. Geburtst. Ascher-son, 205 (1904), pro syn.
- Ligustrina amurensis* γ. *japonica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 20: 431 (in Mém. Biol. 9: 395) (1875).
- Syringa japonica* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 44, t. 1b, fig. 56, t. 3 (1879). — Schneider, Ill. Handb. Laubh. 2: 783, fig. 491a-c, 492a-e (1911).
- Ligustrina japonica* L. Henry in Jardin, 8: 102 (1894).
- Syringa amurensis* sensu Hooker f. in Bot. Mag. 123: t. 7534 (1897), p. p. quoad tab.; non Ruprecht (1857).
- Trib. 3. OLEINEAE Koch, Syn. Fl. Germ. Helv. 481 (1837).
- Oleinae* Hoffmannsegg & Link, Fl. Portug. 1: 135 (1806). — R. Brown, Prodr. Fl. N. Holl. 522 (1810).
- Sapotaceae* 1. *Jasmineae* a. *Oleinae* Reichenbach, Handb. Nat. Pflanzensyst. 213 (1837), p. p. typ.
- Oleinae* trib. *Olieae* G. Don, Gen. Syst. Dichlam. Pl. 4: 44 (1837).
- Oleinae* trib. *Notelaeiae* G. Don, op. cit. 44, 51 (1837).
- Oleaceae* sect. *Oleinae* Loudon, Arb. Brit. 2: 1197 (1838).
- Antidesmaceae* d. *Forrestiereae* Horaninov, Char. Ess. Fam. Reg. Veg. 80 (1847).
- Urticaceae*? . . . *Forestiereae* Pfeiffer, Synon. Bot. 125 (1870), nom. subnud.

**Syringa** trib. 3. OLEINEAE (*continued*)

*Oleaceae* trib. *Chionanthae* Pfeiffer, op. cit. 191 (1870), nom. subnud.

**LIGUSTRUM** Linnaeus, Sp. Pl. 7 (1753); Gen. Pl. ed. 5, 8, no. 18 (1754). — Bentham & Hooker f., Gen. Pl. 2: 679 (1876). — Mansfeld in Bot. Jahrb. 59, Beibl. 132: 19–75 (Vorarb. Monog. Ligustrum) (1924).

*Faulia* Rafinesque, Fl. Tellur. 2: 84 [1837].

*Ligustridium* Spach, Hist. Nat. Vég. Phan. 8: 271 (1839).

*Visiania* A. de Candolle in De Candolle, Prodr. 8: 289 (1844).

*Phlyarodoxa* S. Moore in Jour. Bot. 13: 229 (1875).

*Ligustrum* sect. *Ibota* Koehne in Festschr. 70. Geburtst. Ascherson, 182 (1904).

*Esquirolia* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 441 (1912).

*Parasyringa* W. W. Smith in Trans. Bot. Soc. Edinb. 27, 1: 93 (1916).

Typus: *L. vulgare* L.

Sept. 1. **EULIGUSTRUM** Rehder in Jour. Arnold Arb. 28: 255 (1947).

*Ligustrum* sect. III. *Baccatae* Mansfeld in Bot. Jahrb. 59, Beibl. 132: 42 (1924).

**L. vulgare** Linnaeus, Sp. Pl. 7 (1753). — Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1946, fig. 2927–30 [1927].

*Ligustrum angustifolium* Gilibert, Fl. Lithuan. 1: 2 (1781); Exerc. Phytolog. 1: 2 (1792).

*Ligustrum album* Güldenstädt, Reis. Russl. 2: 133, 135, 187 (1787). — Ledebour, Fl. Ross. 3: 39 (1847), pro syn. *Olea humilis* Salisbury, Prodr. Stirp. Chap. Allert. 13 (1796).

*Ligustrum vulgare* a. *germanicum* Hayne, Dendr. Fl. 1 (1822).

**L. vulgare** f. *aureum* [Jäg.] Dippel, Handb. Laubh. 1: 122 (1889) "(f.)"

*Ligustrum vulgare* var. *aureum* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 200 (1884). — Schneider, Ill. Handb. Laubh. 2: 803 (1911).

**L. vulgare** f. *aureo-variegatum* [West.] Schelle in Beissner et al., Handb. Laubh.-Ben. 419 (1903).

*Ligustrum vulgare* 2. *aureo-variegatum* Weston, Bot. Univ. 1: 152 (1770).

*Ligustrum vulgare* var. b. *variegatum* Loudon, Arb. Brit. 2: 1199 (1838).

**L. vulgare** f. *argenteo-variegatum* [West.], grad. nov.

*Ligustrum vulgare* 3. *argenteo-variegatum* Weston, Bot. Univ. 1: 152 (1770).

*Ligustrum vulgare* var. *albo-variegatum* Schneider, Ill. Handb. Laubh. 2: 803 (1911).

**L. vulgare** f. *glaucom* (Mouillef.), grad. nov.

*Ligustrum vulgare* var. *glauca* Mouillefert, Traité Arb. Arbriss. 2: 976 [1896]. — Höfker in Mitt. Deutsch. Dendr. Ges. 1911(20): 222 [1912?], "L. v. var. *glaucom*."

*Ligustrum vulgare* *glaucom* *albo-marginatum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900) "var." — Späth ex Höfker, l. c. [1912?], pro syn.

**L. vulgare** f. *leucocarpum* [Sweet] Schelle, l. c. (1903).

*Ligustrum vulgare* δ. *leucocarpum* Sweet, Hort. Brit. 272 (1827), nom. — Loudon, l. c. (1838).

**L. vulgare** f. *chlorocarpum* [Loud.] Schelle, l. c. (1903).

*Ligustrum vulgare* var. *chlorocarpum* Loudon, Arb. Brit. 2: 1199 (1838).

**L. vulgare** f. *xanthocarpum* [G. Don] Schelle, l. c. (1903). *Ligustrum vulgare* γ. *xanthocarpum* G. Don, Gen. Hist. Dichlam. Pl. 4: 45 (1838).

**L. vulgare** f. *densiflorum* (Schneid.), grad. nov.

*Ligustrum brachystachium* sensu Dippel, Handb. Laubh. 1: 124, fig. 74 (1889), p. p.; non Decaisne (1879).

*Ligustrum vulgare* var. *xanthocarpum* f. *densiflorum* Koehne, Herb. Dendrol. in sched. no. 539 cum fig. (coll. 1904), nom. invalid.

*Ligustrum vulgare* var. *densiflorum* Schneider, Ill. Handb. Laubholz. 2: 803 (1911).

**L. vulgare** f. *auriflorum* (Höfker.), grad. nov.

[*Ligustrum vulgare* var. "à fleurs jaunes" Dumont de Courset, Bot. Cult. ed. 2, 2: 603 (1811). — Voss, Vilmor. Blumengärt. 1: 650 [1895] "f. fl. luteo."]

*Ligustrum vulgare* var. *auriflorum* Höfker in Mitt. Deutsch. Dendr. Ges. 1911(20): 224 [1912].

?*Ligustrum vulgare* (var.) *lactiflorum* Höfker in op. cit. 1915(24): 57 [1916] "mit cremefarbenen Blüten" ex Heinricher in Flora, 98: 379 (1908).

*Ligustrum vulgare* f. *flaviflorum* J. Murr ex Hegi, Ill. Fl. Mittel-Eur. 5, 3: 194 [1927].

**L. vulgare** f. *triphyllum* H. Lüscher ex Hegi, l. c. [1927].

**L. vulgare** f. *microphyllum* J. Murr ex Hegi, l. c. [1927].

**L. vulgare** f. *pendulum* [Carr.] Dippel, Handb. Laubh. 1: 122 (1889).

*Ligustrum vulgare* *pendulum* Carrière in Fl. des Serr. 11: 166 (1856).

**L. vulgare** f. *pyramidale* (Späth) Dippel, Handb. Laubh. 1: 122 (1889) "(f.)"

*Ligustrum vulgare* *pyramidale* Späth, Kat. 1883–4: ? (1883); Haupt-Preis-Verz. no. 69: 94 (1887), nom. subnud. — Späth ex Dippel, Handb. Laubh. 1: 122 (1889) "(f.)" — Schneider, Ill. Handb. Laubh. 2: 803 (1911) "var."

**L. vulgare** f. *buxifolium* (Nichols.), grad. nov.

*Ligustrum vulgare* *buxifolium* Nicholson, Ill. Dict. Gard. 2: 264 [1885]. — Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900) "var."

**L. vulgare** f. *nanum* (Kohankie) Rehder in Jour. Arnold Arb. 28: 255 (1947).

"Privet Lodense" (*Ligustrum nanum compactum*) Jackson & Perkins, Fall-Price-List, 1924: 15 (1924), cum descr.

*Ligustrum lodense* Glogau in Gartenwelt, 32: 658 (1928), nom subnud. — Henry Kohankie & Son, Price List Fall, 1930: 54 (1930). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 784 (1940) "Lodense."

*Ligustrum vulgare* *nanum* Henry Kohankie & Sons, Price List, 1945–46: 76 (1945).

**L. vulgare** f. *rupicola* (Rikli) Hegi, Ill. Fl. Mittel-Eur. 5, 3: 1948 [1927], "f. *rupicolum*."

*Ligustrum vulgare* v. *rupicola* Rikli [in Ber. Schweiz. Bot. Ges. 17: 36 (1907), descr. sine nom.]; in Verh. Schweiz. Naturf. Ges. 90, 1: 69 [1907], nom. — Höfker in Mitt. Deutsch. Dendr. Ges. (1915)(24): 57 [1916].

**L. vulgare** var. *italicum* (Mill.) Vahl, Enum. Pl. 1: 35 (1805) "β." — De Candolle, Prodr. 8: 293 (1844). "β."

*Ligustrum italicum* Miller, Gard. Dict., ed. 8, L. no. 2 (1768).

*Ligustrum sempervirens* Pieri ex Mazziani in Ionios Anthol. 2: 432 (Fl. Corcir.) (1834) "? *L. vulgare* var."

- Ligustrum vulgare* var. *sempervirens* Loudon, Arb. Brit. 2: 1199, fig. 1018 (1838). — Schneider, Ill. Handb. Laubh. 2: 803 (1911). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 784 (1940).
- Ligustrum vulgare* f. *italum* (Mill.) Dippel, Handb. Laubh. 1: 122 (1889).
- Ligustrum vulgare* f. *italum foliosum* Schelle in op. cit. 419 (1903), nom.
- Ligustrum vulgare foliosum* hort. ex Schelle, l. c. (1903), pro syn.
- Ligustrum vulgare* var. *atrovirens* Hort. ex Schneider, Ill. Handb. Laubh. 2: 803 (1911), pro syn.
- L. vulgare** var. *laurifolium* Höfker in Mitt. Deutsch. Dendr. Ges. 1911(20): 221, 224 [1912]. — Späth, Späth-Buch, 243 (1930) "*L. v. l.*"
- Ligustrum laurifolium* Späth, Haupt-Preis-Verz. 69: 94 (1887), nom.; non Roxburgh (1816), nom.
- L. vulgare** var. *insulense* (Decne.) Höfker in op. cit. 224 [1912].
- Ligustrum insulense* Decaisne in Fl. des Serr. 22: 10 (1877). — Höfker in Mitt. Deutsch. Dendr. Ges. 1915 (24): 57 [1916], pro sp. dubia.
- Ligustrum Stauntoni* Hort. ex Decaisne, l. c. (1877) pro syn.; non A. de Candolle (1844).
- Ligustrum insulare* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 24 (1879). — Dippel, Handb. Laubh. 1: 122, fig. 71 (1889). — Schneider, Ill. Handb. Laubh. 2: 804 (1911).
- Ligustrum vulgare* var. *insulare* Hegi, Ill. Fl. Mittel-Eur. 5,3: 1948 [1927].
- Sect. II. IBOTA Koehne in Festschr. 70. Geburtst. Ascherson, 189 (1904), sensu ampl.
- Ligustrum* sect. *Subdrupaceae* Mansfeld in Bot. Jahrb. 59, Beibl. 132: 40, 42 (1924).
- Ser. 1. ROBUSTA (Mansf.), grad. nov.
- Ligustrum* sect. I. *Subdrupaceae* subsect. *Robustae* Mansfeld, l. c. (1924).
- L. compactum** Hooker f. & Thomson ex Brandis, For. Fl. India, 310 (1874). — Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 25 (1879), p. p. — Höfker in Mitt. Deutsch. Dendr. Ges. 1915(24): 58, t. 3, fig. 2 [1916]. — Rehder in Sargent, Pl. Wilson. 2: 604 (1916).
- Olea compacta* Wallich, Num. List, no. 2819 [1830], nom. — A. de Candolle in De Candolle, Prodr. 8: 287 (1844).
- ?*Ligustrum salicifolium* Carrière in Rev. Hort. 1866: 380 (1866).
- Ligustrum oblongifolium* Hort. Panorm. ex Decaisne in Fl. des Serr. 22: 10 (1877), pro syn.
- Ligustrum lancifolium* Carrière ex Decaisne, l. c. (1877), pro syn.
- Ligustrum Simoni* Carrière ex Decaisne, l. c. (1877), pro syn.
- Ligustrum longifolium* Carrière ex Decaisne, l. c. (1877), pro syn. — ?Lavallée, Arb. Segrez. 173 (1877), pro syn.; in Jour. Soc. Nat. Hort. France, sér. 4, 1: 493 (1879).
- Ligustrum yunnanense* L. Henry in Rev. Hort. 1902: 497 (1902). — Höfker in Mitt. Deutsch. Dendr. Ges. 1915 (24): 58, t. 3, fig. 1 [1916].
- L. Chenaultii** Hickel in Bull. Soc. Dendr. France, 1925: 52, fig. (1925).
- L. japonicum** Thunberg in Nov. Act. Soc. Sci. Upsal. 3: 207 (1780); Fl. Jap. 17, t. 1 (1784). — Nakai, Fl. Sylv. Kor. 10: 33, t. 10 (1921); Trees Shrubs Jap. rev. ed., 1: 385, fig. 183 (1927). — Mansfeld in Bot. Jahrb. 59, Beibl. 132: 51 (Vorarb. Monog. Ligustrum) (1924).
- Ligustridium japonicum* Spach, Hist. Nat. Vég. Phan. 8: 272 (1838).
- Ligustrum Kellermanum* Visiani, Rev. Pl. Min. Cognit. Hort. Patav. 7 (1855); in Mem. Istit. Veneto Sci. 6: 258 (Ill. Pianta Nuov. Ort. Bot. Padova Mem. III) (1856).
- Ligustrum Kellermanni* Van Houtte, Cat. no. 165: 13 (1875), nom. — Nicholson, Ill. Dict. Gard. 2: 264 [1885], pro syn.
- Ligustrum syringaeiflorum* et *L. Sieboldii* et *L. glabrum* [hort.] ex Nicholson, l. c. [1885], pro syn.
- Ligustrum Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 378 (1912).
- Ligustrum japonicum* var. *pubescens* Koidzumi in Bot. Mag. Tokyo, 30: 82 (1915).
- L. japonicum** var. *rotundifolium* Blume, Mus. Bot. Lugd.-Bat. 1: 313 (1850) "γ."
- Ligustrum coriaceum* Noisette ex De Candolle, Prodr. 8: 294 (1844), nom. — Carrière in Rev. Hort. 1874: 418, fig. 56 (1874). — Hooker f. in Bot. Mag. 123: t. 7519 (1897).
- Ligustrum japonicum* "difformitas . . . nana" Blume, Mus. Bot. Lugd.-Bat. 1: 313 (1850), in textu. — Hooker f. in Bot. Mag. 123: t. 7519 (1897) "*L. japonicum* f. *difformis*," pro syn.
- Ligustrum lucidum* var. *a. L. coriaceum* (Hort.) Decaisne in Fl. des Serres, 22: 8 (1877).
- Ligustrum japonicum* var. *coriaceum* Lavallée, Arb. Segrez. 172 (1877). — Makino in Bot. Mag. Tokyo, 23: 13 (1909).
- Ligustrum lucidum* var. *coriaceum* Decaisne in Nouv. Arch. Mus. Hist. Nat. sér. 2, 2: 20 (1879). — Nicholson, Ill. Dict. Gard. 2: 264, 409 [1885] "*L. l. c.*"
- Ligustrum japonicum* var. *coriaceum* Lavallée, Arb. Segrez. 172 (1877). — Makino in Bot. Mag. Tokyo, 23: 13 (1909).
- L. lucidum** Aiton f., Hort. Kew. ed. 2, 1: 19 (1810). — Rehder in Sargent, Pl. Wilson. 2: 603 (1916); in Jour. Arnold Arb. 15: 304 (1934). — Mansfeld in Bot. Jahrb. 59, Beibl. 132: 49 (Vorarb. Monog. Ligustrum) (1924).
- Phillyrea paniculata* Roxburgh, Fl. Ind. 1: 100 (1820).
- Ligustrum Nepalense* β. *glabrum* Hooker in Bot. Mag. 56: t. 2921 (1829). — De Candolle, Prodr. 8: 294 (1844).
- Ligustrum japonicum* sensu Drapiez, Herbar. Amat. 8: 569, t. (1835). — Hance in Jour. Linn. Soc. Lond. Bot. 13: 82 (1873). — Non Thunberg (1784).
- Olea clavata* G. Don, Gen. Hist. Dichlam. Pl. 4: 49 (1838).
- Ligustridium japonicum* Spach, Hist. Nat. Vég. Phan. 8: 271 (1839), p. p.
- Visiania paniculata* De Candolle, Prodr. 8: 289 (1844).
- Ligustrum Roxburghii* Blume, Mus. Bot. Lugd.-Bat. 1: 315 (1850), non C. B. Clarke (1882).
- Ligustrum Wallichii* sensu Viviani in Atti Istit. Venet. Sci. ser. 3, 4: 138 (1858), non Blume (1851).
- Ligustrum Hookeri* Decaisne in Fl. des Serr. 22: 10 (1877).
- Ligustrum sinense latifolium robustum* T. Moore in Gard. Chron. n. ser. 10: 752, fig. 125 (1878).
- Chionanthus terminalis* herb. Roxb. ex Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 92 (1889), pro syn.
- Ligustrum japonicum macrophyllum* Hort. ex Schneider, Ill. Handb. Laubh. 2: 797 (1911), pro syn.
- Ligustrum magnoliaefolium* Hort. et *L. spicatum* Hort. ex Schneider, l. c. (1911), pro syn.
- Ligustrum Esquirolii* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 147 (1911).
- Esquirolia sinensis* Léveillé in op. cit. 10: 441 (1912).

**Ligustrum lucidum** (continued)

*Ligustrum lucidum* var. *Esquirolii* Léveillé, Cat. Pl. Yun-Nan, 181 (1916).

**L. lucidum** f. *aureo-marginatum* (Rehd.), grad. nov.

*Ligustrum lucidum* var. *aureo-marginatum* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900).

*Ligustrum excelsum aureum* Hort. ex Rehder, l. c. (1900), pro syn.

*Ligustrum japonicum* (f.) *aureo-marginatum* Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 420 (1903).

*Ligustrum lucidum* var. *aureo-variegatum* Bean, Trees Shrubs Brit. Isl. 2: 27 (1914).

**L. lucidum** f. *tricolor* (Rehd.), grad. nov.

*Ligustrum lucidum* var. *tricolor* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 93 (1896), nom.—Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900).—Bean, Trees Shrubs Brit. Isl. 2: 27 (1914).

*Ligustrum japonicum* (f.) *tricolor* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 420 (1903).

**L. lucidum** f. *Alivoni* [André] Schelle in Beissner et al., Handb. Laubh.-Ben. 420 (1903).

*Ligustrum japonicum Alivoni* André in Rev. Hort. 1886: 537 (1886).

*Ligustrum lucidum* var. *Alivoni* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs Brit. Isl. 2: 27 (1914).

**L. Delavayanum** Hariot in Jour. de Bot. 14: 172 (1900).—Mansfeld in Bot. Jahrb. 59, Beibl. 132: 54 (1924).

*Ligustrum Prattii* Koehne in Festschr. 70. Geburtst. Ascherson, 203, fig. 4, B (1904); in Repert. Sp. Nov. Reg. Veg. 1: 11 (1905).

*Ligustrum ionandrum* Diels in Notes Bot. Gard. Edinb. 5: 252 (1912).

*Ligustrum Delavayanum* var. *ionandrum* Léveillé, Cat. Pl. Yun-Nan, 181 [1916].

**L. Henryi** Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 90 (1889).—Mansfeld in Bot. Jahrb. 59, Beibl. 132: 56 (1924).**L. stronglylphyllum** Hemsley in op. cit. 93 (1889).—Skan in Bot. Mag. 132: t. 8069 (1906).—Mansfeld in op. cit. 53 (1924).**L. Massalongianum** Visiani, Rev. Pl. Min. Cognit. Hort. Patav. 8 (1855) "ex Actis I. R. Inst. Ven. Sci. Lit. Art. vol. I, Ser. III,"; in Mem. Istit. Venet. Sci. Lett. Arti, 6: 295, t. 4 (Ill. Piant. Nuov. Rar. Ort. Bot. Padov. Mem. III) (1856).

*Olea robusta* γ. *angustifolia* Wallich, Num. List, no. 2822 [1830], nom.

*Ligustrum* (*Olea*) *myrtifolium* hort. Calcutt., *L. spicatum* hort., non D. Don, *L. longifolium* hort. ex Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 19 (1879), pro syn.

*Ligustrum angustifolium* hort. et *L. rosmarinifolium* hort. ex Dippel, Handb. Laubh. 1: 135 (1889), pro syn.

Ser. 2. **SINENSIA** (Mansf.), grad. nov.

*Ligustrum* sect. *Ibota* Koehne in Festschr. 70. Geburtst. Ascherson, 189 (1904) sensu stricto, sed *L. Massalongianum* Vis. et *L. Henryi* Hems. exclud.

*Ligustrum* sect. *Subdrupaceae* subsect. *Sinenses* Mansfeld in Bot. Jahrb. 59, Beibl. 132: 42 (1924).

**L. ovalifolium** Hasskarl, Cat. Hort. Bogor. 119 (1844).—Koehne in Festschr. 70. Geburtst. Ascherson, 204, fig.

4, c (*Ligustrum* sect. *Ibota*) (1904).—Mansfeld in Bot. Jahrb. 59, Beibl. 132: 68 (1924).

*Ligustrum Ibota* β. var. *obovatum* Blume, Mus. Bot. Lugd.-Bat. 1: 312 (1850), p. p.

*Ligustrum japonicum* β. var. *ovalifolium* Blume, op. cit. 313 (1850).

*Ligustrum ciliatum* γ. var. *heterophyllum* Blume, op. cit. 313 (1850).

*Ligustrum medium* Franchet & Savatier, Enum. Pl. Jap. 2: 437 [?1878].

*Ligustrum californicum* hort., *L. ovatum* hort., *L. syringae-florum* hort. p. p., ex Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 18 (1879), pro syn.

*Ligustrum japonicum* hort. ex Schneider, Ill. Handb. Laubh. 2: 808 (1911), pro syn.; non Thunberg (1780).

*Ligustrum ovalifolium floribundum* Hoefker in Mitt. Deutsch. Dendr. Ges. 1915(24): 55 [1916], nom. tentat.

?*Ligustrum Hisauchii* Makino in Jour. Jap. Bot. 1: 3 (1916).

**L. ovalifolium** f. *aureum* (Carr.) Rehder in Jour. Arnold Arb. 28: 256 (1947).

*Ligustrum ovalifolium aureum* Carrière in Rev. Hort. 1862: 314 (1862).—Bean, Trees Shrubs Brit. Isl. 2: 27 (1914) "var."

*Ligustrum ovalifolium variegatum* T. Moore in Proc. Hort. Soc. Lond. 5: 138, 144 (1865).—Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900).

*Ligustrum californicum robustum variegatum* Carrière in Rev. Hort. 1877: 352 (1877).

*Ligustrum ovalifolium* var. *aureo-marginatum* Hort. ex Rehder, l. c. (1900).

*Ligustrum ovalifolium* var. *robustum variegatum* Hort. ex Rehder, l. c. (1900), pro syn.

**L. ovalifolium** f. *argenteum* (Bean), grad. nov.

*Ligustrum ovalifolium* var. *argenteum* Bean, Trees Shrubs Brit. Isl. 2: 27 (1914).

**L. Vicaryi** (*L. ovalifolium* f. *aureum* × *vulgare* ?) Rehder in Jour. Arnold Arb. 28: 256 (1947).

*Ligustrum Ibota aureum Vicarii* E. Beckett in Aldenham House Gard. List Surpl. Pl. [1922]: ? [1922]; 1929: 27 (1929); nom. subnud.

*Ligustrum Ibota Vicaryi* Lemoine, [Cat.] no. 198 (1924–25): 11 (1924), nom. subnud.

*Ligustrum ciliatum Vicaryi* [hort.] ex Rehder in Jour. Arnold Arb. 28: 257 (1947), in textu, pro syn.

**L. ibolium** (*L. obtusifolium* × *ovalifolium*) Coe ex Rehder in Jour. Arnold Arb. 3: 50 (1921).

"Ibolium Privet" in Elm City Nursery Co. Price-list, 1921: 41, fig. (1921).

**L. sinense** Loureiro, Fl. Cochinch. 1: 23 (1790).—Rehder in Sargent, Pl. Wilson. 2: 605 (1916).

*Olea Walpersiana* et *O. consanguinea* Hance in Walpers, Ann. Bot. Syst. 3: 17 (1852).

*Ligustrum villosum* May in Rev. Hort. 1874: 299 (1874).

?*Ligustrum Calleryanum* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 35 (1879).

*Ligustrum sinense* var. *villosum* Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900).

*Ligustrum Fortunei* Hort. ex Rehder, l. c. (1900), pro syn.

*Paulia sinensis* Rafinesque ex Merrill in Trans. Am. Philos. Soc., n. ser. 24, 2: 307 (Comment. Lour. Fl. Cochinch.) (1935), pro syn.; sphalm. pro *L. sinense*.

**L. sinense** var. *multiflorum* [Bowles] Bean, Trees Shrubs Brit. Isl. 2: 28 (1914).

*Ligustrum ovalifolium multiflorum* Bowles in Gard. Chron. ser. 3, 50: 237, fig. 109 (1911).

- L. sinense** var. **Stauntoni** (DC.) Rehder in Bailey, Cycl. Am. Hort. [2]: 913 (1900); in Sargent, Pl. Wilson. 2: 606 (1916) "*Stauntonii*."  
*Ligustrum Stauntoni* A. de Candolle in De Candolle, Prodr. 8: 294 (1844).  
*Ligustrum chinense* Carrière in Rev. Hort. 1863: 88 (1863).  
*Ligustrum Sinense nanum* Carrière in Rev. Hort. 1876: 20 (1876).  
*Ligustrum deciduum* Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 90 (1889).  
*Ligustrum Ibota myrtifolium* hort. ex Beissner in Mitt. Deutsch. Dendr. Ges. 1905(14): 17 (1905), pro syn.
- L. indicum** (Lour.) Merrill in Trans. Am. Philos. Soc., n. ser., 24:2: (Comment. Lour. Fl. Cochinch.) (1935).  
*Phillyrea indica* Loureiro, Fl. Cochinch. 19 (1790).  
*Olea microcarpa* Vahl, Enum. Pl. 1: 43 (1804).  
*Ligustrum nepalense* Wallich in Roxburgh, Fl. Ind. 1: 151 (1820).—Mansfeld in Bot. Jahrb. 59, Beibl. 132: 61 (1924).—Gagnepain in Lecomte, Fl. Gén. Indo-Chine, 3: 1080, fig. 123, 1-4 (1933).  
*Ligustrum vestitum* Wallich, Num. List, no. 6304 [1832], nom.  
*Ligustrum spicatum* Hamilton ex D. Don, Fl. Nepal. 107 (1825).—Nicholson, Ill. Dict. Gard. 2: 264 [1885].  
*Ligustrum lanceolatum* Herb. Lambert ex D. Don, l. c. (1825), pro syn.  
*Ligustrum bracteolatum* D. Don, l. c. (1825).  
*Ligustrum* ? *japonicum* Hamilton msc. ex D. Don, l. c. (1825), pro syn.  
*Phillyrea bracteolata* Herb. Lambert ex D. Don, l. c. (1825), pro syn.  
*Faulia odorata* Rafinesque, Fl. Tellur. 2: 84 [1837].  
*Ligustrum Wallichii* Blume, Mus. Bot. Lugd.-Bat. 1: 315 (1850).  
*Ligustrum parviflorum* Visiani in Atti Istit. Veneto Sci. ser. 3, 4: 137 (1859).  
*Ligustrum* ? *Hookeri* Decaisne in Fl. des Serr. 22: 10 (1877).  
*Ligustrum kumaonense* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 28 (1879).
- L. Quihoui** Carrière in Rev. Hort. 1869: 377 (1869).—Rehder in Sargent, Pl. Wilson. 2: 607 (1916).—Stapf in Bot. Mag. 154: t. 9209 (1930).—Rehder in Jour. Arnold Arb. 15: 305 (1934).  
*Ligustrum brachystachyum* Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 35 (1879).  
*Ligustrum Argyi* Léveillé in Mem. Acad. Ci. Art. Barcelona, ser. 3, 12(no. 22): 557 (Cat. Pl. Kiang-Sou, 17) (1916).
- L. Purpusii** Höfker in Mitt. Deutsch. Dendr. Ges. 1915 (24): 60, t. 5 [1916].
- L. Tschonoskii** Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 18 (1879).—Koehne in Festschr. 70. Geburtst. Ascherson, 196, fig. 26 (1904).  
*Ligustrum Ibota* sensu Rehder in Möller's Deutsch. Gärt.-Zeit. 14: 218 (1899), p. p.; non Siebold (1830), nec Siebold & Zuccarini (1846).  
*Ligustrum ciliatum* sensu Rehder in Bailey, Cycl. Am. Hort. [2]: 912 (1900); in Sargent, Trees & Shrubs, 1: 141, t. 71 (1903), quoad tab. et syn. Decaisne; non Blume (1850).  
*Ligustrum medium* hort. ex Rehder, l. c. (1900); l. c. (1903), pro syn.; non Franchet & Savatier [1878].  
*Ligustrum acuminatum* Koehne in Festschr. 70. Geburtst. Ascherson, 201, fig. 3,A (Ligustrum sect. Ibota) (1904); in Repert. Sp. Nov. Reg. Veg. 1: 9 (1905).—Rehder, Man. Cult. Trees & Shrubs, 763 (1927); ed. 2, 786 (1940).  
*Ligustrum Ibota* var. *Tschonoskii* Nakai in Jour. Coll. Sci. Tokyo, 31: 89 (Fl. Kor. II) (1911); Fl. Sylv. Kor. 10: 39, t. 16 (1921) "f."  
*Ligustrum ciliatum* var. *Tschonoskii* Mansfeld in Bot. Jahrb. 59, Beibl. 132: 67 (1924).
- L. Tschonoskii** var. **macrocarpum** (Koehne) Rehder in Jour. Arnold Arb. 28: 257 (1947).  
*Ligustrum ciliatum* var. *macrocarpum* (Koehne) Mansfeld in Bot. Jahrb. 59, Beibl. 132: 68 (1924).  
*Ligustrum macrocarpum* Koehne in Festschr. 70. Geburtst. Ascherson, 201 fig. 3,B (1904); in Repert. Sp. Nov. Reg. Veg. 1: 10 (1905).  
*Ligustrum medium* hort. ex Koehne, op. cit. 203 (1904), non Franchet et Savatier [1878].  
*Ligustrum acuminatum* var. *macrocarpum* Schneider, Ill. Handb. Laubh. 2: 807, fig. 508 1-n (1911).
- L. Ibota** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4,3: 167 (Fl. Jap. Fam. Nat. 2: 43) (1846), exclud. syn. Siebold.—Koehne, Deutsche Dendr. 501 (1893).—Non *L. Ibota* Siebold (1830), nomen tantum.  
*Ligustrum ciliatum* Siebold ex Blume, Mus. Bot. Lugd.-Bat. 1: 312 (1850), exclud. var.  $\beta$ . et  $\gamma$ .—Koehne in Festschr. 70. Geburtst. Ascherson, 199 (Ligustrum sect. Ibota) (1904).—Mansfeld in Bot. Jahrb. 59, Beibl. 132: 67 (1924).  
*Ligustrum Ibota* a. *ciliatum* Dippel, Handb. Laubh. 1: 133, fig. 82 (1889).
- L. acutissimum** Koehne in Festschr. 70. Geburtst. Ascherson, 192, fig. 1,A (1904); in Repert. Sp. Nov. Reg. Veg. 1: 8 (1905).  
*Ligustrum Ibota* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 21 (1889), p. p. quoad pl. chin.; non Siebold (1830), nec Siebold & Zuccarini (1846).
- L. amurense** Carrière in Rev. Hort. 1861: 352, fig. 85 (1861).—Koehne in Festschr. 70. Geburtst. Ascherson, 196, fig. 2,C (1904).  
*Ligustrum Ibota* sensu Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 17 (1879), p. p. quoad syn. *L. amurense*; non Siebold (1830), nec Siebold & Zuccarini (1846).  
*Ligustrum obtusifolium* var. *dubium* Koehne, Herb. Dendr. in sched. no. 191 (1896), cum diagn.  
*Ligustrum Ibota* Sieb. var. *amurense* (Carr.) Mansfeld in Bot. Jahrb. 59, Beibl. 132: 65 (1924).
- L. obtusifolium** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4,3: 168 (Fl. Jap. Fam. Nat. 2: 44) (1846).—Dippel, Handb. Laubh. 1: 131, fig. 80 (1889).  
*Ligustrum vulgare* sensu Thunberg, Fl. Jap. 17 (1784), non Linnaeus (1753).  
*Ligustrum Ibota* Siebold in Verh. Batav. Genootsch. Kunst. Wetensch. 12: 36 (Syn. Pl. Oec. Jap.) (1830), nom. subnud.—Blume, Mus. Bot. Lugd.-Bat. 1: 312 (1850).—Koehne in Festschr. 70. Geburtst. Ascherson, 194, fig. 2,A (1904).—Mansfeld in Bot. Jahrb. 59, Beibl. 132: 64 (Vorarb. Monog. Ligustrum) (1924).  
*Ligustrum ciliatum* var. *spathulatum* Blume, Mus. Bot. Lugd.-Bat. 1: 313 (1850).  
*Phlyarodoxa leucantha* Moore in Jour. Bot. 13: 229 (1875).  
*Ligustrum Roxburghii* hort. ex Decaisne in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 2: 17 (1879), pro syn.; non C. B. Clarke (1882).

**Ligustrum obtusifolium** (continued)

- Ligustrum sinense* hort. ex Decaisne, l. c. (1879), non Loureiro (1790).  
*Ligustrum molliculum* Hance in Jour. Bot. 20: 291 (1882).  
*Ligustrum Ibotia* f. *typicum* Nakai in Bot. Mag. Tokyo, 32: 123 (1918).  
*Ligustrum Ibotia* var. *obtusifolium* Koidzumi in Bot. Mag. Tokyo, 40: 342 (1926).  
*Ligustrum Ibotia* var. *genuinum* Nakai in Jour. Jap. Bot. 14: 639 (1938).

- L. obtusifolium** var. **Regelianum** [Koehe] Rehder in Möller's Deutsch. Gärt.-Zeit. 14: 218 (1899).  
*Ligustrum Regelianum* Lemoine [Cat.] no. 106: 24 (1886), nom.—Dippel, Handb. Laubh. 1: 133 (1889), pro syn.—Koehe in Festschr. 70. Geburtst. Ascherson, 192, fig. 1, B (1904).—André in Rev. Hort. n. sér., 4: 433, fig. 178, 179 (1904).  
*Ligustrum Ibotia* b. *obovatum* sensu Dippel, l. c., fig. 83 (1889), non Blume (1850).  
*Ligustrum Ibotia* var. *Regelianum* Rehder in Bailey, Cycl. Am. Hort. [2]: 912 (1900).—Hort. Siebold ex Schelle in Beissner et al., Handb. Laubh.-Ben. 418 (1903) "f."—Mansfield in Bot. Jahrb. 59, Beibl. 132: 66 (1924).—Nakai, Trees Shrubs Jap. rev. ed., 1: 365, fig. 170 (1927).

## Sect. III. SARCOCARPION (Franch.) Mansfield in Bot. Jahrb. 59, Beibl. 132: 69 (1924).

- Syringa* sect. *Sarcocarpion* Franchet in Bull. Soc. Linn. Paris, 1: 613 (1886).  
*Parasyringa* W. W. Smith in Trans. Bot. Soc. Edinb. 27, 1: 93 (1916).

- L. sempervirens** (Franch.) Lingelsheim in Engler, Pflanzenreich, IV. 243 (Heft 72): 95 (1920).—Mansfield in Bot. Jahrb. 59, Beibl. 132: 69 (1924).  
*Syringa sempervirens* Franchet in Bull. Soc. Linn. Paris, 1: 613 (1886).  
*Parasyringa sempervirens* W. W. Smith in Trans. Bot. Soc. Edinb. 27, 1: 93 (1916).

- PHILLYREA** Linnaeus, Sp. Pl. 7 (1753); Gen. Pl. ed. 5, 8, no. 19 (1754).—Adanson, Fam. Pl. 2: 223 (1763) "*Phyllirea*."—Moench, Meth. Pl. 469 (1794) "*Phillyraea*."—Tausch in Flora, 15, 2: 641 (1831).—K. Koch, Dendr. 2, 1: 278 (1872) "*Phillyrea*."—Bentham & Hooker f., Gen. Pl. 2: 677 (1876).—Clos in Bull. Soc. Bot. France, 37: 113 (1890).—Fliche in Bull. Soc. Bot. 55: 253, 343 (1908).—Sennen in Bull. Soc. Dendr. France, 1929 (no. 70): 47–66, fig. (1929); 1935 (no. 95): 45–65, fig. (1935); cum multis nom. nov.  
LECTOTYPUS: *P. latifolia* L.

- P. latifolia** Linnaeus, Sp. Pl. 7 (1753).—Schneider, Ill. Handb. Laubh. 2: 787, fig. 4931-s (1911).  
*Phillyrea latifolia* a. *laevis* Aiton, Hort. Kew. 1: 12 (1789).—Schelle in Beissner et al., Handb. Laubh.-Ben. 416 (1903) "(f.)."  
*Olea latifolia* Salisbury, Prodr. Stirp. Chap. Allert. 13 (1796).  
*Phillyrea conferta* Stokes, Bot. Comment. 23 (1830), p. p.—Bubani, Fl. Pyren. 1: 362 (1897), p. p.  
*Phillyrea mucronata* β. *dentata* Tausch in Flora, 15, 2: 642 (1831).  
*Phillyrea stricta* Bertolini, Fl. Ital. 1: 43 (1833).  
*Phyllirea alaternoides* Spach, Hist. Nat. Vég. Phan. 8: 270 (1839), exclud. var.  
*Phillyrea major* Zumaglini, Fl. Pedem. 1: 73 (1849).

- Phillyrea vulgaris* Caruel a. *latifolia* Caruel, Prodr. Fl. Toscana, 444 (1860).  
*Phillyrea variabilis* Timbal-Lagrange & Loret in Bull. Soc. Bot. France, 7: 18 (1860), p. p.  
*Phillyrea variabilis* e. *stricta* Arcangeli, Comp. Fl. Ital. 465 (1882).  
*Phillyrea variabilis* a. *latifolia* Parlatores, Fl. Ital. 8: 159 (1888).  
*Phillyrea angustifolia* var. *latifolia* Fiori & Paoletti, Icon. Fl. Ital. 322, fig. 2726 (1901).  
*Phillyrea latifolia* subsp. *P. stricta* Rouy, Fl. France, 10: 222 (1908).  
*Phillyrea latifolia* var. *typica* Schneider, Ill. Handb. Laubh. 2: 788, fig. 4931-m (1911).

**P. latifolia** f. **spinosa** (Mill.), grad. nov.

- Phillyrea spinosa* Miller, Gard. Dict., ed. 8, P. no. 3 (1768).  
*Phillyrea latifolia* 8. *spinosa* Weston, Bot. Univ. 1: 206 (1770).—Aiton, Hort. Kew. 1: 12 (1789) "β."  
*Phillyrea latifolia* γ. *obliqua* Aiton, Hort. Kew. 1: 12 (1789).  
*Phillyrea ilicifolia* Loddiges (1777) ex C. F. Ludwig, Neu. Wilde Baumz. 32 (1783), nom.—Willdenow, Enum. Pl. Hort. Berol. 13 (1809).—Link in Jahrb. Gewächsk. 1, 1: 153 [1818].  
*Phillyrea latifolia* β. *ilicifolia* De Candolle, Prodr. 8: 292 (1844).—Schelle in Beissner et al., Handb. Laubh.-Ben. 416 (1903) "(f.)."—Bean, Trees Shrubs Brit. Isl. 2: 142 (1914) "var."  
*Phillyrea obliqua* Willdenow, Enum. Pl. Hort. Berol. 12 (1809).  
*Phillyrea mucronata* a. *serrata* Tausch in Flora, 15, 2: 642 (1831).

**P. latifolia** var. **media** (L.) Schneider, Ill. Handb. Laubh. 2: 788, fig. 4931-s, 494b-f (1911).

- Phillyrea media* Linnaeus, Sp. Pl. ed. 2, 1: 10 (1762).  
*Phillyrea ligustriifolia* Miller, Gard. Dict. P. no. 4 (1768).  
*Phillyrea oleaefolia* Miller, Gard. Dict. P. no. 5 (1768).  
*Phillyrea media* δ. *oleaefolia* Aiton, Hort. Kew. 1: 12 (1789).—Schelle in Beissner et al., Handb. Laubh.-Ben. 416 (1903) "(f.)."  
*Phillyrea angustifolia* a. *lanceolata* Aiton, Hort. Kew. 1: 12 (1789).  
*Phillyrea virgata* Willdenow, Enum. Pl. Hort. Berol. 12 (1809).—Link in Jahrb. Gewächsk. 1, 1: 158 [1818].  
*Phillyrea mucronata* γ. *lanceolata* Tausch in Flora, 15, 2: 642 (1831).  
*Phillyrea minor* Zumaglini, Fl. Pedem. 1: 73 (1849), p. p.  
*Phillyrea vulgaris* β. *media* Caruel, Prodr. Fl. Tosc. 444 (1860).  
*Phillyrea media* a. *genuina* Strobl in Flora, 67: 523 (1884).  
*Phillyrea variabilis* β. *media* Parlatores, Fl. Ital. 8: 159 (1888).  
*Phillyrea angustifolia* subsp. *P. media* Rouy, Fl. France, 10: 221 (1908).

**P. latifolia** f. **buxifolia** (Ait.) Schelle in Beissner et al., Handb. Laubh.-Ben. 416 (1903).

- Phillyrea media* ε. *buxifolia* Aiton, Hort. Kew. 1: 12 (1789).—Bean, Trees Shrubs Brit. Isl. 2: 143 (1914) "(f.)."  
*Phillyrea buxifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 21 [1782] "*Phyllirea*"; nom.—C. F. Ludwig, Neu. Wilde Baumz. 31 (1783), nom.—Link in Jahrb. Gewächsk. 1, 1: 157 [1818].

**P. latifolia** f. **rotundifolia** (Rehd.), grad. nov.

- Phillyrea latifolia* var. *rotundifolia* Nicholson in Kew



- Hand-list, Trees Shrubs, 2: 89 (1896), nom. — Rehder in Bailey, Stand. Cycl. Hort. 5: 2583 (1916).
- P. latifolia f. pendula** (Ait.) Rehder in Jour. Arnold Arb. 28: 445 (1947).  
*Phillyrea media* γ. *pendula* Aiton, Hort. Kew. 1: 11 (1789). — Rehder in Bailey, Stand. Cycl. Hort. 5: 2583 (1916) "var."  
*Phillyrea pendula* Willdenow, Enum. Pl. Hort. Berol. 12 (1809). — Link in Jahrb. Gewächsk. 1, 1: 159 [1818]. — Loudon, Arb. Brit. 2: 1204 (1838). "*P. (m.) pendula*."
- P. angustifolia** Linnaeus, Sp. Pl. 7 (1753). — Schneider, Ill. Handb. Laubh. 2: 786, fig. 493c-k, 494a (1911).  
*Olea angustifolia* Salisbury, Prodr. Stirp. Chap. Allert. 13 (1796).  
*Phillyrea conferta* Stokes, Bot. Comment. 23 (1830), p. p. — Bubani, Fl. Pyren. 1: 362 (1897), p. p.  
*Phillyrea minor* Zumaglini, Fl. Pedem. 1: 173 (1849), p. p.  
*Phillyrea variabilis* Timbal-Lagrange & Loret in Bull. Soc. Bot. France, 7: 18 (1860), p. p.  
*Phillyrea vulgaris* γ. *angustifolia* Caruel, Prodr. Fl. Tosc. 444 (1860).  
*Phillyrea variabilis* γ. *angustifolia* Parlatores, Fl. Ital. 8: 159 (1888).
- P. angustifolia f. rosmarinifolia** [Mill.] Schelle in Beissner et al., Handb. Laubh.-Ben. 416 (1903).  
*Phillyrea rosmarinifolia* Miller, Gard. Dict. ed. 8, P. no. 7 (1768).  
*Phillyrea angustifolia* β. *rosmarinifolia* Aiton, Hort. Kew. 1: 12 (1789). — Nicholson in Kew Hand-list Trees Shrubs, 2: 89 (1896) "var." — Bean, Trees Shrubs Brit. Isl. 2: 142 (1914) "var."
- P. Vilmoriniana** Boissier & Balansa in Balansa Exsicc. 1866 ex Boissier, Fl. Or. 4: 37 [1875]. — Hooker f. in Bot. Mag. 111: t. 6800 (1885).  
*Phillyrea Medwedewi* Sredinski in Liesn. Zhurn. S. Peterb. Liesn. Obshch. 3, 6: 105 (1875); in Trudy S. Peterb. Obshch. Estestv. 7: clxxiii (1876). — Trautvetter in Act. Hort. Petrop. 9: 13 (1884).  
*Phillyrea Vilmorinensis* [Masters] in Gard. Chron. n. ser., 20: 494 (1883).  
*Phillyrea laurifolia* [Hort. ex Masters] l. c. (1883), pro syn. — Hooker f. in Bot. Mag. 111: t. 6800 (1885), pro syn.  
*Phillyrea decora* Boissier & Balansa in Vilmorin-Andrieux Suppl. Cat. (1867) [nom.?] ex Nicholson in Gard. Chron. ser. 3, 4: 672, fig. 96 (1888). — Rehder, Man. Cult. Trees Shrubs, 757 (1927).
- OSMAREA** [*Phillyrea* × *Siphonosmanthus*] Burkwood & Skipwith, [Cat.] (1929); Latest Novelt. Flow. Shrubs, 1931: [6] (1931). — Anon. in Gard. Chron. ser. 3, 89: 438 (1931).
- O. Burkwoodi** (*P. Vilmoriniana* × *S. Delavayi*) Burkwood & Skipwith, l. c. (1929); [Cat.] [1938]: 20, fig. [1938]. — M. J. Henry in Nat. Hort. Mag. 12: 109 (1933).
- SIPHONOSMANTHUS** Stapf in Bot. Mag. 153: t. 9176 (1929).  
*Osmanthus* sect. *Siphonosmanthus* Franchet in Bull. Soc. Linn. Paris, 1: 613 (1886).  
 Typus: *Osmanthus suavis* C. B. Clarke = *S. suavis* (Clarke) Stapf.
- S. Delavayi** (Franch.) Stapf in Repert. Sp. Nov. Reg. Veg. 31: 193 (1933).  
*Osmanthus Delavayi* Franchet in Bull. Soc. Linn. Paris, 1: 613 (1886). — Stapf in Bot. Mag. 138: t. 8459 (1912). — Rehder in Jour. Arnold Arb. 15: 303 (1934).  
*Ligustrum phillyrea* Léveillé in Bull. Acad. Intern. Géog. Bot. 25: 41 (1915).
- S. suavis** (Clarke) Stapf in Bot. Mag. 153: t. 9176 (1929).  
*Osmanthus suavis* King ex C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 607 (1882).
- OSMANTHUS** Loureiro, Fl. Cochinch. 1: 29 (1790). — Benth. & Hooker f., Gen. Pl. 2: 677 (1876).  
*Pausia* Rafinesque, Sylv. Tellur. 9, 184 (1838).  
*Cartrema* Rafinesque, op. cit. 184 (1838).  
*Olea* subgen. *Osmanthus* Dippel, Handb. Laubh. 1: 139 (1889).  
*Amarolea* Small, Man. Southeast. Fl. 1043, 1507 (1933).  
 Typus: *O. fragrans* Lour.
- O. ilicifolius** (Hassk.) [Standish in Proc. Hort. Soc. Lond. 2: 370 (1862), nom. —] Mouillefert, Traité Arb. Arbriss. 2: 982 [1896]. — Rehder in Jour. Arnold Arb. 5: 240 (1924).  
*Ilex Aquifolium* sensu Thunberg, Fl. Jap. 79 (1784), non Linnaeus (1753).  
*Olea ilicifolia* Hasskarl, Cat. Pl. Hort. Bogor. 118 (1844).  
*Olea Aquifolium* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 3: 166 (Fl. Jap. Fam. Nat. 2: 42) (1846).  
*Osmanthus Aquifolium* Siebold ex Siebold & Zuccarini, l. c. (1846), pro syn. — Benth. & Hooker f., Gen. Pl. 2: 677 (1876) "*O. aquifolia*." — Stapf in Kew Bull. 1911: 177, t., fig. A. (1911).  
*Ilex Aquifolium* var. *heterophylla* Ait.? sensu Blume, Bijdr. Fl. Nederl. Ind. 1150 (1826), non Aiton (1789).  
*Olea aquifolia* c. *ilicifolia* Dippel, Handb. Laubh. 1: 141 (1889).  
*Osmanthus Aquifolium* var. *ilicifolius* [Nicholson] in Kew Hand-list Trees Shrubs, 2: 89 (1896).
- O. ilicifolius f. variegatus** (Standish) Rehder in Jour. Arnold Arb. 5: 240 (1924).  
*Osmanthus aquifolius variegatus* [Standish] in Proc. Hort. Soc. Lond. 1: 615 (1861).  
*Osmanthus ilicifolius argenteo-marginatus* Bean in Garden, 50: 86 (1896).  
*Osmanthus Aquifolium* var. *argenteum* Bailey, Cycl. Am. Hort. [3]: 1177 (1901), nom.
- O. ilicifolius f. aureo-marginatus** (Bean), grad. nov.  
*Osmanthus Aquifolium* var. *foliis aureo-variegatis* Lavallée, Arb. Segrez. 169 (1877), nom.  
*Osmanthus ilicifolius aureo-marginatus* Bean in Garden, 50: 86 (1896).  
*Osmanthus Aquifolium* var. *aureum* Bailey, Cycl. Am. Hort. [3]: 1177 (1901), nom.  
*Osmanthus ilicifolius f. aureus* Rehder in Jour. Arnold Arb. 5: 240 (1924).
- O. ilicifolius f. purpurascens** (Bean), grad. nov.  
*Osmanthus ilicifolius purpurascens* Bean in Garden, 50: 86 (1896).  
*Osmanthus Aquifolium* var. *ilicifolius purpureus* [Nicholson] in Kew Hand-list Trees Shrubs, 2: 89 (1896), nom.  
*Osmanthus Aquifolium* var. *atropurpureus* Schneider, Ill. Handb. Laubh. 2: 790 (1911).  
*Osmanthus Aquifolium* var. *purpureus* Bean, Trees Shrubs Brit. Isl. 2: 111 (1914).  
*Osmanthus ilicifolius f. purpureus* Rehder in Jour. Arnold Arb. 5: 240 (1924).

**Osmanthus** (continued)

- O. ilicifolius** f. **myrtifolius** (Dipp.) grad. nov.  
*Olea aquifolia* b. *myrtifolia* Dippel, Handb. Laubh. 1: 141 (1889).  
*Osmanthus myrtifolius* Hort. Veitch ex Dippel, l. c. (1889), pro syn.  
*Osmanthus Aquifolium* var. *myrtifolius* [Nicholson] in Kew Hand-list Trees Shrubs, 2: 89 (1896), nom. — Bean, Trees Shrubs Brit. Isl. 2: 110 (1914).  
*Osmanthus ilicifolius* var. *myrtifolia* Hort. ex Mouillefert, Traité Arb. Arbriss. 2: 982 [1896].
- O. ilicifolius** f. **rotundifolius** (Jäger) Rehder in Jour. Arnold Arb. 5: 240 (1924).  
*Olea Aquifolium* var. *rotundifolius* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 229 (1884). — Dippel, Handb. Laubh. 1: 141 (1889) "*O. aquifolia* a. *rotundifolia*."  
*Osmanthus rotundifolius* hort. ex Dippel, l. c. (1889), pro syn.  
*Osmanthus Aquifolium* var. *rotundifolius* [Nicholson] in Kew Hand-list Trees Shrubs, 2: 89 (1896), nom. — Bean, Trees Shrubs Brit. Isl. 2: 111 (1914).
- O. Fortunei** (*O. ilicifolius* × *fragrans*) Carrière in Rev. Hort. 1864: 69, fig. 7, 8 (1864). — Stapf in Kew Bull. 1911: 178, t., fig. b (1911).  
*Osmanthus Japonicus* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 36 (Syn. Pl. Oec. Jap.) (1830), nom. — Makino in Bot. Mag. Tokyo, 16: 31 (1902).  
*Osmanthus aquifolius* sensu [Masters] in Gard. Chron. n. ser., 6: 689, fig. 132 (1876), non *O. aquifolia* Benth. & Hooker f. (1876).  
*Olea japonica* Siebold ex Hasskarl, Cat. Pl. Hort. Bogor. 118 (1844), nom.  
*Olea aquifolia* sensu Dippel, Handb. Laubh. 1: 140, fig. 88 (1889), p. p. quoad fig.; non *O. aquifolium* Siebold & Zuccarini (1846).  
*Osmanthus Aquifolium* var. *japonicus* Makino in Bot. Mag. Tokyo, 33: 14 (1909).
- O. fragrans** Loureiro, Fl. Cochinch. 29 (1790). — Rehder in Sargent, Pl. Wilson. 2: 609 (1916); in Jour. Arnold Arb. 12: 76 (1931).  
*Olea fragrans* Thunberg in Nov. Act. Soc. Sci. Upsal. 4: 39 (1783); Fl. Jap. 18, t. 2 (1784). — Rehder in Jour. Arnold Arb. 12: 76 (1931), sphalm. *O. Thunbergii* (p. 76), corr. in op. cit. 309, pro syn.  
*Olea acuminata* Wallich, no. 2809 [1830], nom. — De Candolle, Prodr. 8: 291 (1844).  
*Olea ovalis* Miquel in Jour. Bot. Néerl. 1: 111 (1861).  
*Pittosporum yunnanense* Franchet in Bull. Soc. Bot. France, 33: 413 (1886).  
*Osmanthus asiaticus* Nakai, Trees Shrubs Jap. 1: 264, fig. 144 (1922).  
*Osmanthus latifolius* Koidzumi in Bot. Mag. Tokyo, 40: 337 (1926).
- O. armatus** Diels in Bot. Jahrb. 29: 532 (1900). — Rehder in Sargent, Pl. Wilson. 2: 611 (1916).
- O. Forrestii** Rehder in Notes Bot. Gard. Edinb. 14: 20 (1923).
- O. serrulatus** Rehder in Sargent, Pl. Wilson. 2: 610 (1916).
- O. americanus** (L.) Gray in Syn. Fl. N. Am. 2, 1: 78 (1878). — Sargent, Silva N. Am. 6: 65, t. 279, 280 (1894).  
*Olea americana* Linnaeus, Mant. Pl. 24 (1767). — Gray, Man. Bot. N. U. S. ed. 5, 401 (1867).  
*Pausia americana* Rafinesque, Sylva Tellur. 9 (1838).  
*Pausia odorata* Rafinesque, l. c. (1838), nom. altern.

*Cartrema americana* Rafinesque ex B. D. Jackson, Index Kew. 1: 445 [1893].  
*Amarolea americana* Small, Man. Southeast. Fl. 1043, 1507 (1933).

- FORESTIERA** Poir. Encycl. Méth. Bot. Suppl. 2: 664 (1811). — Tulasne in Ann. Sci. Nat. Bot. sér. 3, 15: 263 (1851). — Benth. & Hooker f., Gen. Pl. 2: 676 (1876). — Gray, Syn. Fl. N. Am. 2, 1: 76 (1878).
- Adelia* P. Browne, Civ. Nat. Hist. Jamaica, 361, t. 36, fig. 3 (1756). — Michaux, Fl. Bor.-Am. 2: 225 (1803). — Kuntze, Rev. Gen. Pl. 2: 409 (1891). — Non Linnaeus (1759). — NOM. CONSERV.; cf. Kew Bull. 1935: 346, no. 4397 (1935); 1940: 109 (1940).\*
- Borya Willdenow*, Sp. Pl. 4, 2: 711 [1806], non Labillardière (1804).  
*Bigelovia* Smith in Rees, Cyclop. 39 (Add. Corr.) (1819).  
*Nudilus* Rafinesque in Atlant. Jour. 6: 176 (1833).  
*Carpoxis* Rafinesque, New Fl. N. Am. 3: 89 [1838].  
*Geisarina* Rafinesque, Alsogr. Am. 5 (1838).  
*Piptolepis* Benth. Pl. Hartweg. 29 [1840].  
LECTOTYPUS: *Adelia acuminata* Michx. = *Forestiera acuminata* (Michx.) Poir.
- F. acuminata** (Michx.) Poir. Encycl. Méth. Bot. Suppl. 2: 664 (1811). — Gray, Syn. Fl. N. Am. 2, 1: 76 (1878). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 2: 728, fig. 3323 (1913). — Small, Man. Southeast. Fl. 1041, fig. (1933).  
*Adelia acuminata* Michaux, Fl. Bor.-Am. 2: 225, t. 48 (1803). — Small, Fl. Southeast. U. S. 920 (1903).  
*Borya acuminata* Willdenow, Sp. Pl. 4, 2: 711 [1806].  
*Borya ligustrina* Willdenow, l. c. [1806], p. p. — Gray, Man. Bot. N. U. S. ed. 2, 358 (1856). — Non *F. l.* (Michx.) Poir. et, p. p. typ.
- F. neo-mexicana** Gray in Proc. Am. Acad. Arts Sci. 4: 363 (1860) excl. var.; 12: 63 (1877). — Harms in Mitt. Deutsch. Dendr. Ges. 1919(28): 72, fig. (1919).  
*Forestiera acuminata* var. *parvifolia* Gray in Proc. Am. Acad. Arts Sci. 4: 364 (1860).  
*Adelia neomexicana* Kuntze, Rev. Gen. Pl. 2: 410 (1891).  
*Adelia parvifolia* Coville in Contrib. U. S. Nat. Herb. 4: 148 (1893).
- F. pubescens** Nuttall in Trans. Am. Philos. Soc. n. ser., 5: 177 (1837).  
*Forestiera ligustrina* var. *pubescens* Gray in Proc. Am. Acad. Arts Sci. 4: 364 (1860).  
*Geisarina verrucosa* Rafinesque, Alsogr. Am. 6 (1838).  
*Adelia pubescens* Kuntze, Rev. Gen. Pl. 2: 410 (1891).
- F. ligustrina** (Michx.) Poir. Encycl. Méth. Bot. Suppl. 2: 664 (1811). — Gray, Syn. Fl. N. Am. 2, 1: 76 (1878). — Small, Man. Southeast. Fl. 1041 (1933).  
*Adelia ligustrina* Michaux, Fl. Bor.-Am. 2: 225 (1803). — Small, Fl. Southeast. U. S. 919 (1903).  
*Borya ligustrina* Willdenow, Sp. Pl. 4, 2: 711 [1806], p. p. typica.
- CHIONANTHUS** Linnaeus, Sp. Pl. 8 (1753) excl. sp. 2; Gen. Pl. ed. 5, 9, no. 21 (1754). — Benth. & Hooker f., Gen. Pl. 2: 677 (1876).  
TYPUS: *C. virginicus* L.
- C. virginicus** Linnaeus, Sp. Pl. 8 (1753) "*virginica*." — Sargent, Silva N. Am. 6: 60, t. 277, 278 (1894).

\* As the later homonym *Adelia* L. (1759) has been conserved for a Euphorbiaceae genus against the earlier *Adelia* P. Br. (1756), the latter cannot be used and the next oldest available legitimate name, *Forestiera* Poir. (1811), becomes the correct name of this Oleaceae genus.

- Chionanthus Zeylanica* sensu Lamarck, Encycl. Méth. Bot. 1: 735 [1785], non *C. zeylonica* Linnaeus (1753).  
*Chionanthus virginica* a. *latifolia* et *β. angustifolia* Aiton, Hort. Kew. 1: 14 (1789).  
*Chionanthus trifida* Moench, Meth. Pl. 478 (1794).  
*Chionanthus vernalis* Salisbury, Prodr. Stirp. Chap. Allert. 14 (1796).  
*Chionanthus cotinifolia* Willdenow, Sp. Pl. 1: 47 (1797).  
*Linociera cotinifolia* Vahl, Enum. Pl. 1: 46 (1805). — Britten in Jour. Bot. 32: 38 (1894).  
*Chionanthus triflora* Stokes, Bot. Mat. Med. 1: 19 (1812).  
*Chionanthus virginica* a. *montanus* Pursh, Fl. Am. Sept. 1: 8 (1814).  
*Chionanthus obovata* Rafinesque, New Fl. N. Am. 3: 87 [1838].  
*Chionanthus montana* Rafinesque, l. c. [1838].  
*Chionanthus angustifolia* Rafinesque, op. cit. 88 [1838].  
*Chionanthus verna* "Baillon, Hist. Pl. 1: 295" ex B. D. Jackson, Index Kew. 1: 515 [1893].
- C. virginicus** var. **maritimus** Pursh, Fl. Bor.-Am. 1: 8 (1814) "*C. virginica* *β. maritimus*." — De Candolle, Prodr. 8: 295 (1844).  
*Chionanthus maritima* Rafinesque, New Fl. N. Am. 3: 86 [1838].  
*Chionanthus heterophylla* Rafinesque, op. cit. 87 [1838].  
*Chionanthus longifolia* Rafinesque, op. cit. 88 [1838].  
*Chionanthus virginica* b. *pubescens* Dippel, Handb. Laubh. 1: 143 (1889).
- C. retusus** Lindley & Paxton in Paxton's Flow. Gard. 3: 85, fig. 273 (1853). — Rehder in Sargent, Pl. Wilson. 2: 612 (1916); in Jour. Arnold Arb. 15: 304 (1934). — Nakai, Fl. Sylv. Kor. 10: 16, t. 1, a-c (1921).  
*Linociera chinensis* Fischer ined. ex Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 474 (Prim. Fl. Amur.) (1859), nom.  
*Chionanthus chinensis* Maximowicz in Bull. Acad. Sci. St. Pétersb. 20: 430 (in Mém. Biol. 9: 393) (1875).  
*Chionanthus Duclouxii* Hickel in Bull. Soc. Dendr. France, 1914: 72, fig. (1914).  
*Chionanthus retusa* var. *Mairei* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 175 (1914).
- Subfam. II. JASMINOIDEAE Knoblauch in Nat. Pflanzenfam. IV. 2: 5, 13 [1892].  
*Jasmineae* Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 477 (1770), nom. subnud. — Jussieu, Gen. Pl. 104 (1789), exclud. *Hebe*. — Lindley, Introd. Nat. Syst. Bot. 222 (1830). — De Candolle, Prodr. 8: 300 (1844).  
*Jasminaceae* Lindley, Nat. Syst. Bot. ed. 2, 308 (1836).  
*Jasmineaceae* G. Don, Gen. Syst. Dichlam. Pl. 4: 58 (1837).  
*Sapotaceae* I. *Jasmineae* c. *Mogorineae* Reichenbach, Handb. Nat. Pflanzensyst. 213 (1837), p. p. typ.
- JASMINUM** Linnaeus, Sp. Pl. 7 (1753); Gen. Pl. ed. 5, 7, no. 17 (1754). — Bentham & Hooker f., Gen., Pl. 2: 674 (1876).  
*Mogori* Adanson, Fam. Pl. 223 (1763).  
*Mogorium* Jussieu, Gen. Pl. 106 (1789). — Zuccagni in Roemer, Collect. Bot. 114 (1809).  
*Jacksonia* Hort. ex Schlechtendal in Linnaea, 27: 512 (1854), pro syn.; non R. Brown (1811).  
LECTOTYPUS: *J. officinale* L.
- J. nudiflorum** Lindley in Jour. Hort. Soc. Lond. 1: 153 (1846). — Kobuski in Jour. Arnold Arb. 13: 153 (1932).  
*Jasminum angulare* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 116 (Enum. Pl. Chin. Bor. 42. 1833) (1835), non Vahl (1805).  
*Jasminum Sieboldianum* Blume, Mus. Bot. Lugd.-Bat. 1: 280 (1850).
- J. nudiflorum** f. **aureum** Hort. ex Dippel, Handb. Laubh. 1: 145 (1889) "(f.)" — Schneider, Ill. Handb. Laubh. 2: 837 (1912) "var." — Kobuski in Jour. Arnold Arb. 13: 154 (1932).  
*Jasminum nudiflorum* var. *variegatum* Mouillefert, Traité Arb. Arbriss. 2: 1008 [1897].
- J. Mesnyi** Hance in Jour. Bot. 20: 37 (1862). — Kobuski in Jour. Arnold Arb. 13: 152 (1932).  
*Jasminum primulinum* Hemsley in Kew Bull. 1895: 109 (1895).
- J. Beesianum** Forrest & Diels in Notes Bot. Gard. Edinb. 5: 253 (1912). — Kobuski in Jour. Arnold Arb. 13: 168 (1932).  
*Jasminum Beesianum* Bees [Cat.] 1911/12 ex Schneider, Ill. Handb. Laubh. 2: 837 (1912, July 6), nom. subnud.  
*Jasminum Delavayi* Franchet in Herb. ex Diels, l. c. (1912), pro syn.  
*Jasminum Wardii* Adamson in Jour. Bot. 51: 131 (1913).  
*Jasminum Valbrayi* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 337 (1914).  
*Jasminum violascens* Lingelsheim in Repert. Sp. Nov. Reg. Veg. Beih. 12: 463 (in Limpricht, Bot. Reise Hochgeb. China) (1922).
- J. stephanense** (*J. Beesianum* × *officinale* f. *grandiflorum* ♀) Lemoine, [Cat.] no. 125: 9, t. (1921). — Meunissier in Rev. Hort. Algérie, 29: 187 (1925). — Kobuski in Jour. Arnold Arb. 13: 162 (1932).  
*Jasminum officinale grandiflorum* × *J. Beesianum* Anon. in Jour. Soc. Nat. Hort. France. sér. 4, 21: 224 (1920).
- J. officinale** Linnaeus, Sp. Pl. 7 (1753). — Kobuski in Jour. Arnold Arb. 13: 160 (1932).  
*Jasminum vulgatum* Lamarck, Fl. Franç. 2: 306 (1778).  
*Jasminum viminalis* Salisbury, Prodr. Stirp. Chap. Allert. 12 (1796).
- J. officinale** f. **aureo-variegatum** (West.), grad. nov.  
*Jasminum officinale* 2. *aureo-variegatum* Weston, Bot. Univ. 1: 132 (1770).  
*Jasminum officinale* var. *aureum* Bean, Trees Shrubs Brit. Isl. 1: 661 (1914).
- J. officinale** f. **affine** (Lindl.), grad. nov.  
*Jasminum affine* Lindley in Bot. Reg. 31: t. 26 (1845). — Carrière in Rev. Hort. 1878: 427, fig. 87 (1878).  
*Jasminum officinale affine* Nicholson, Ill. Gard. Dict. 2: 208, fig. 344 [1885].
- J. officinale** f. **grandiflorum** (L.) Kobuski in Jour. Arnold Arb. 13: 161 (1932).  
*Jasminum grandiflorum* Linnaeus, Sp. Pl. ed. 2, 1: 9 (1762). — C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 603 (1882).  
*Jasminum officinale grandiflorum* Lemoine, [Cat.] no. 173: 14 (1909), nom.
- J. polyanthum** Franchet in Rev. Hort. 1891: 270, fig. 69 (1891). — Kobuski in Jour. Arnold Arb. 13: 163 (1932).  
*Jasminum Blinii* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 151 (1914).  
*Jasminum Delafieldii* Léveillé, Cat. Pl. Yun-Nan, 179 (1916).

**Jasminum** (continued)

- J. floridum** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 116 (Enum. Pl. Chin. Bor. 42. 1833) (1835). — Kobuski in Jour. Arnold Arb. 13: 147 (1932).  
*Jasminum subulatum* Lindley in Bot. Reg. 18 (Misc. Not.): 57 (1842). — De Candolle, Prodr. 8: 312 (1844).  
*Jasminum floridum* var. *spinescens* Diels in Bot. Jahrb. 29: 534 (1901).  
*Jasminum Argyi* Léveillé in Mem. Acad. Ci. Art. Barcelona, 12 (no. 22) 557 (Cat. Pl. Kiang-Sou, 17) (1916), sphalm. "Argy."  
**J. fruticans** Linnaeus, Sp. Pl. 9 (1753). — Schneider, Ill. Handb. Laubh. 2: 839, fig. 527f-g, 523k-n (1912).  
*Jasminum heterophyllum* Moench, Meth. Pl. 467 (1794).  
*Jasminum collinum* Salisbury, Prodr. Stirp. Chap. Allert. 14 (1796).  
*Jasminum syriacum* Boissier & Gaillardot in Boissier, Diagn. Pl. Or. Nov. sér. 2, 6: 120 (1859).  
*Jasminum humile* Hort. ex Schneider, Ill. Handb. Laubh. 2: 839 (1912), p. p.; non Linnaeus (1753).  
**J. humile** Linnaeus, Sp. Pl. 9 (1753). — Kobuski in Jour. Arnold Arb. 13: 150 (1932), p. p.; 20: 404 (1939).  
*Jasminum inodorum* Jacquemont ex Decaisne in Jacquemont, Voy. l'Inde, 4: t. 143 (1843). — De Candolle, Prodr. 8: 312 (1844).  
**J. humile** var. *kansuense* Kobuski in Jour. Arnold Arb. 20: 405 (1939).  
**J. humile** var. *siderophyllum* (Lévl.) Kobuski in op. cit. 406 (1939).  
*Jasminum Mairei* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 337 (1914).  
*Jasminum Mairei* var. *siderophyllum* Léveillé, Cat. Pl. Yun-Nan, 179 (1916).  
**J. humile** var. *revolutum* (Sims) Kobuski in Jour. Arnold Arb. 20: 407 (1939).  
*Jasminum chrysanthemum* Roxburgh, Cat. Hort. Bengal. 3 (1814), nom.; Fl. Ind. 1: 98 (1820).  
*Jasminum revolutum* Sims in Bot. Mag. 42: t. 1731 (1815). — Schneider, Ill. Handb. Laubh. 2: 839, fig. 527m-n, 528g-i (1912).  
*Jasminum flavum* Sieber ex De Candolle, Prodr. 8: 312 (1844), pro syn.  
*Jasminum triumphans* hort. ex Dippel, Handb. Laubh. 1: 148 (1889).  
*Jasminum Reevesii* Hort. ex Schneider, l. c. (1912), p. p.; pro syn.  
**J. humile** var. *glabrum* (DC.) Kobuski in Jour. Arnold Arb. 20: 407 (1939).  
*Jasminum Wallichianum* Lindley in Bot. Reg. 17: t. 1409 (1831). — Schneider, Ill. Handb. Laubh. 2: 839, fig. 527k-l, 528d-f (1912).  
*Jasminum pubigerum* D. Don β. *glabrum* De Candolle, Prodr. 8: 312 (1844).  
*Jasminum pubigerum* sensu Loudon, Arb. Brit. ed. 2, 2: 1250, fig. 1077 (1854), non D. Don (1830).  
**J. diversifolium** Kobuski in Jour. Arnold Arb. 20: 404 (1939).  
*Jasminum heterophyllum* Roxburgh, Hort. Bengal. 3 (1814), nom.; Fl. Ind. 1: 99, 164 (1820). — C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 601 (1882). — Non Moench (1794).  
*Jasminum arboreum* Hamilton ex D. Don, Prodr. Fl. Nepal. 106 (1825), pro syn.; non Schultes (1822).

- Jasminum macrophyllum* Hort. ex De Candolle, Prodr. 8: 312 (1844), pro syn.  
*Jacksonia nitida* Hort. ex Schlechtendal in Linnaea, 27: 512 (1854), pro syn.  
*Jasminum nepalense* Hort. ex Dippel, Handb. Laubh. 1: 149 (1889), pro syn.; non Sprengel (1827).  
**J. diversifolium** var. *glabricymosum* (W. W. Sm.) Kobuski in Jour. Arnold Arb. 21: 113 (1940).  
*Jasminum heterophyllum* var. *glabricymosum* W. W. Smith in Notes Bot. Gard. Edinb. 12: 209 (1920). — Kobuski in op. cit. 13: 149 (1932).  
*Jasminum diversifolium* var. *glabricorymbosum* Kobuski in op. cit. 20: 404 (1939), sphalm.  
**J. Giraldii** Diels in Bot. Jahrb. 29: 534 (1901). — Kobuski in op. cit. 13: 148 (1932).  
*Jasminum tsinlingense* Lingelsheim in Repert. Sp. Nov. Reg. Veg. Beih. 12: 463 (1922).  
**J. Parkeri** Dunn in Kew Bull. 1920: 69 (1920).  
**J. Farreri** Gilmore in Bot. Mag. 157: t. 9351 (1934).

Fam. **LOGANIACEAE**

- LOGANIACEAE Horaninov, Prim. Lin. Syst. Nat. 70 (1834). — Lindley, Nat. Syst. Bot. ed. 2, 306 (1836). — De Candolle, Prodr. 9: 1 (1845).  
 Loganieae R. Brown in Flinders, Voy. Terra Austral. 2: 564 (Gen. Rem. 32) (1814) "Loganeae." — Martius, Nov. Gen. Sp. Pl. Brasil. 2: 133 [1827].  
 Strychneaceae Blume, Bijdr. Fl. Nederl. Ind. 1018 (1826), nom. subnud.  
 Scrophulariaceae Horaninov, Prim. Lin. Syst. Nat. 73 (1834), quoad *Buddleja*.  
 Scrophulariaceae § 8. *Buddleieae* Lindley, Nat. Syst. Bot. ed. 2, 292 (1836), nom. subnud.  
 Potaliaceae Lindley, op. cit. 306 (1836).  
 Rubiaceae subord. *Loganieae* or *Spigeliae* Gray, Bot. Textbook, 295 (1842).  
 Personatae 1. *Scrophulariaceae* . . . *Buddlejeae* Horaninov, Tetractys Nat. 28 (1843), nom.  
*Buddlejeae* Kunth in Abh. Phys. Kl. Akad. Wiss. Berlin, 1844: 49 (1846).  
*Chironiaceae* c. *Loganieae* Horaninov, Char. Ess. Fam. Reg. Veg. 112 (1847), *Buddleia* exclus.  
*Veronicaceae* b. *Veronicariae* a. *Rhinanthinae* Horaninov, op. cit. 121 (1847), quoad *Buddleia*.  
**GELSEMIUM** Jussieu, Gen. Pl. 150 (1789). — Bentham & Hooker f., Gen. Pl. 2: 789 (1876).  
*Jeffersonia* Brickell in Med. Repos. 1: 555 (1800).  
*Gelsemium* Pursh, Fl. Am. Sept. 1: 184 (1814), ?sphalm.  
*Medicia* Gardner & Champion in Hooker's Jour. Bot. Kew Gard. Misc. 1: 324 (1849).  
*Leptopteris* Blume, Mus. Bot. Lugd.-Bat. 1: 240, t. 34 (1850).  
*Guinnalda* Sessé in herb. ex Pfeiffer, Nomencl. Bot. 1, 2: 1515 (1874), pro syn.  
 TYPUS: *Bignonia sempervirens* L. = *G. sempervirens* (L.) Ait. f.  
**G. sempervirens** (L.) Aiton f., Hort. Kew. 1: 64 (1811).  
*Bignonia sempervirens* Linnaeus, Sp. Pl. 623 (1753).  
*Anonymos sempervirens* Walter, Fl. Carol. 99 (1788).  
*Jeffersonia sempervirens* Brickell in Med. Repos. 1: 555 (1800).  
*Gelsemium nitidum* Michaux, Fl. Bor.-Am. 1: 120 (1803).  
*Gelsemium lucidum* Poirét, Encycl. Méth. Bot. Suppl. 2: 714 (1811).  
*Gelsemium nitidum* Pursh, Fl. Am. Sept. 1: 184 (1814).

- BUDDLEIA** Linnaeus, Sp. Pl. 112 (1753) "*Buddleja*"; Gen. Pl. ed. 5, 51 no. 131 (1754) "*Buddleja*." — Hope in Verh. Holland. Maatsch. Wetensch. 20, 2: 417 (1782) "*Budleja*." — Curtis in Bot. Mag. 5: t. 174 (1792) "*Buddlea*." — Sprengel, Syst. Veg. 1: 369, 428 (1825) "*Buddlea*." — Paxton in Paxton's Mag. Bot. 14: 5, t. (1848) "*Buddleja*." — Bentham & Hooker f. Gen. Pl. 2: 793 (1876).  
*Toxina* Noronha in Verh. Batav. Genoot. Kunst. Wetensch. 5, 4: 4 (1790).  
*Romana* Vellozo, Fl. Flumin. 54 (1825); Icon. 1: t. 146, 147 (1827).  
*Adenoplea* Radlkofer in Abh. Naturwiss. Ver. Bremen, 8: 406 (1883).  
 TYPUS: *B. americana* L.
- B. alternifolia** Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 494 (in Mém. Biol. 10: 673) (1880). — Stapf in Bot. Mag. 151: t. 9085 (1926).
- B. Lindleyana** Fortune ex Lindley in Bot. Reg. 30 (Misc.): 25 (1844); 32: t. 4 (1846). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 564 (1913).  
*Adenoplea Lindleyana* Small, Shrubs Florida, 109, 133 (1913).
- B. intermedia** (*B. japonica* × *Lindleyana*) Carrière in Rev. Hort. 1873: 151, t. (1873).  
*Buddleia salicifolia* Hort. ex Dippel, Handb. Laubh. 1: 153 (1889), non Vahl (1794), nec Jacquin (1797).
- B. intermedia** var. *insignis* (Carr.) Rehder in Bailey, Cycl. Am. Hort. [1]: 188 (1900).  
*Buddleia insignis* Carrière in Rev. Hort. 1878: 330, fig. 76, 77, t. (1878).  
*Buddleia japonica* var. *insignis* Wilson in Fl. & Sylva, 3: 338 (1905).
- B. japonica** Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 119 (1889). — Marquand in Kew Bull. 1930: 186 (1930).  
*Buddleia curvifolia* Carrière in Rev. Hort. 1866: 339 (1866) ?spalm. pro *B. curviflora*.  
*Buddleia curviflora* sensu André in Ill. Hort. 17: 133, t. 25 (1870), non Hooker & Arnott [1838?].  
*Buddleia insignis* sensu Nakai, Trees Shrubs Jap. 1: 312, fig. 173 (1922), non Carrière (1878).
- B. nivea** Duthie in Gard. Chron. ser. 3, 38: 275, fig. 102 (1905). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 517 (1913).
- B. nivea** var. *yunnanensis* (Dop) Rehder & Wilson, l. c. (1913).  
*Buddleia macrostachya* var. *yunnanensis* Dop in Bull. Soc. Bot. France, 57 (Mém. 19): 7 (1910).
- B. Forrestii** Diels in Notes Bot. Gard. Edinb. 5: 249 (1912). — Marquand in Kew Bull. 1930: 188 (1930).
- B. albiflora** Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 118 (1889). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 569 (1913).  
*Buddleia Hemsleyana* Koehne in Gartenfl. 52: 170 (1903).  
*Buddleia albiflora* var. *Hemsleyana* Schneider, Ill. Handb. Laubh. 2: 845, fig. 530e (1912).
- B. Davidi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 10: 65 (Pl. David. 2: 103. 1888) (1887). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 567 (1913) "*Davidii*."  
*Buddleia variabilis* Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 120 (1889). — Schneider, Ill. Handb. Laubh. 2: 845, fig. 530f-g, 531d-i (1912).
- B. Davidi** var. *Veitchiana* (Veitch) Rehder in Bailey, Stand. Cycl. Hort. 1: 585 (1914); in Mitt. Deutsch. Dendr. Ges. 1915(24): 227 [1916]; "*Davidii*."  
*Buddleia variabilis* *Veitchiana* Veitch in Jour. Hort. Soc. Lond. 27 (Proc.): 163, fig. 182 (1903).  
*Buddleia Veitchiana* Anon. in Garden, 84: 449, fig. (1920).
- B. Davidi** var. *magnifica* (Wils.) Rehder & Wilson in Sargent, Pl. Wilson. 1: 567 (1913) "*Davidii*."  
*Buddleia variabilis* *magnifica* Wilson in Fl. & Sylva, 3: 340, fig. (1905).
- B. Davidi** var. *superba* (De Corte) Rehder & Wilson in op. cit. 568 (1913) "*Davidii*."  
*Buddleia variabilis* var. *superba* De Corte in Rev. Hort. Belge, 35: 12, t. (1909).
- B. Davidi** var. *Wilsoni* (Wilson) Rehder & Wilson, l. c. (1913) "*Davidii* var. *Wilsonii*."  
*Buddleia variabilis* var. *Wilsoni* Veitch in Gard. Chron. ser. 3, 36: 155 (1904), nom. — Wilson in Fl. & Sylva, 3: 340 (1905).
- B. Davidi** var. *nanhoensis* (Chittend.) Rehder in Jour. Arnold Arb. 5: 240 (1924) "*Davidii*."  
*Buddleia variabilis* var. *nanhoensis* Chittenden in Jour. Hort. Soc. Lond. 47: 193 (1922).
- B. hybrida** (*B. asiatica* × *Davidi*) Farquhar ex Rehder, Man. Cult. Trees Shrubs, 768 (1927).
- B. asiatica** Loureiro, Fl. Cochinch. 72 (1790). — Rehder & Wilson in Sargent, Pl. Wilson. 1: 567 (1913). — Rehder in Jour. Arnold Arb. 15: 309 (1934).  
*Buddleia salicina* Lamarck, Tabl. Encycl. Méth. Bot. 1: 291 (1791).  
*Buddleia Neemda* Buch.-Hamilton ex Roxburgh, Fl. Ind. 1: 411 (1820).  
*Buddleia serrulata* A. W. Roth, Nov. Pl. Sp. 82 (1821).  
*Buddleia discolor* A. W. Roth, op. cit. 83 (1821).  
*Buddleia subserrata* Hamilton mss. ex D. Don, Prodr. Fl. Nepal. 92 (1825).  
*Buddleia acuminatissima* Blume, Bijdr. Fl. Nederl. Ind. 743 (1826).  
*Buddleia virgata* Blanco, Fl. Filip. 57 (1837).  
*Vitex Esquirolii* Léveillé, Fl. Kouy-Tchéou, 443 (1915).
- B. stenostachya** Rehder & Wilson in Sargent, Pl. Wilson. 1: 565 (1913). — [Silva Tarouca] in Dendr. Ges. Prag Ziergeh. Staud. 1: 51, t. (1926).  
*Buddleia nivea* Hort. ex Silva Tarouca, l. c. (1926), pro syn.; non Duthie (1905).
- B. candida** Dunn in Kew Bull. 1920: 134 (1920).
- B. Fallowiana** Balfour f. & W. W. Smith in Notes Bot. Gard. Edinb. 10: 15 (1917).  
*Buddleia Forrestii* sensu Anon. in Garden, 85: 20, fig. (1921), non Diels (1912).
- B. myriantha** Diels in Notes Bot. Gard. Edinb. 5: 250 (1912).
- B. Sterniana** Cotton in Gard. Chron. ser. 3, 122: 159, fig. 76 (1947).
- B. crispa** Bentham ex Wallich, Num. List, no. 6404 [1832], nom. — Bentham, Scrophul. Ind. 43 (1835). — Hooker in Bot. Mag. 80: t. 4793 (1854).  
*Buddleia paniculata* sensu C. B. Clarke in Hooker f., Fl. Brit. Ind. 4: 81 (1883), non Wallich (1820).  
*Buddleia tibetica* W. W. Smith in Rec. Bot. Surv. India,

**Buddleia crispa** (*continued*)

4: 270 (1911).—Marquand in Kew Bull. 1930: 205 (1930).

*Buddleia Whitei* Kränzlin in Bot. Jahrb. 50, Beibl. 3: 46 (1913).

**B. crispa** var. **Farrereri** (Balf. & W. W. Sm.) Handel-Mazetti, Symb. Sin. 7: 947 (1936) "*Buddleja*."

*Buddleia Farreri* Balfour & W. W. Smith in Notes Bot. Gard. Edinb. 9: 84 (1916).

*Buddleia praecox* Lingelsheim in Repert. Sp. Nov. Reg. Veg. Beih. 12: 464 (1916).

*Buddleia tibetica* var. *Farrereri* Marquand in Kew Bull. 1930: 205 (1930).

**B. heliophila** W. W. Smith in Notes Bot. Gard. Edinb. 8: 126 (1913).**B. salvifolia** (L.) Lamarck, Encycl. Méth. Bot. 1: 513 [1785].—Pappe, Sylv. Cap. 25 (1854) "*B. salviaefolia*."—Fourcade, Rep. Natal For. 115 (1890) "*Buddleia salviaefolia*."—Thisleton-Dyer, Fl. Cap. 4, 1: 1047 (1909).

*Lantana salvifolia* Linnaeus, Syst. Nat. ed. 10, 2: 1116 (1759); Mant. Pl. 2: 419 (1771).

*Buddleia aurantiaco-maculata* Gilg in Bot. Jahrb. 30: 377 (1901).

**B. globosa** J. Hope in Verh. Holland. Maatsch. Wetensch. 20, 2: 417, t. 11 (1782) "*Budleja*."—Lamarck, Encycl. Méth. Bot. 1: 513 [1785] "*Budleia*."—Gay, Hist. Fis. Chile Bot. 5: 120 (1849).

*Buddleia capitata* Jacquin, Collect. Bot. 2: 332 (1788); Icon. Pl. Rar. 2: 9, t. 307 [1788?] "*Budleja*."

**B. Weyeriana** [*Davidi* × *B. globosa*] W. van de Weyer in Gard. Chron. ser. 3, 68: 181, fig. 85 (1920) "*B. globosa* × *variabilis magnifica*."—Wilkie in Gard. Chron. ser. 3, 104: 161, fig. 70 (1938).Fam. **APOCYNACEAE**

APOCYNACEAE Lindley, Nat. Syst. Bot. ed. 2, 299 (1836).—Bentham & Hooker f., Gen. Pl. 2: 681 (1876).—K. Schumann in Nat. Pflanzenfam. IV. 2: 109 [1895].—NOM. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935) et Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Apocineae* Jussieu, Gen. Pl. 143 (1789), p. p.

*Apocyneae* Persoon, Syn. Pl. 1: 264 (1805).

*Plumeriaceae* (*Apocyneae*) Horaninov, Prim. Lin. Syst. Nat. 70 (1834).

*Vincaceae* 3. *Apocyneae* et 4. *Carisseae* Horaninov, Tetractys Nat. 27 (1843), nom. subnud.

*Vincaceae* v. *Apocynariae* Horaninov, Char. Ess. Fam. Reg. Veg. 114 (1847).

**VINCA** Linnaeus, Sp. Pl. 209 (1753); Gen. Pl. ed. 5, 98, no. 261 (1754).—Bentham & Hooker f., Gen. Pl. 2: 703 (1876).

LECTOTYPUS: *V. minor* L.

**V. minor** Linnaeus, Sp. Pl. 209 (1753).—Schneider, Ill. Handb. Laubh. 2: 848, fig. 532f-l (1912).—Hegi, Ill. Fl. Mittel-Eur. 5, 3: 2053, fig. 3031, 3032 [1927].

*Vinca minor* var. *typica* Schneider, l. c. (1912).

*Vinca minor* var. *purpurea* Hort. ex Schneider, l. c. (1912), pro syn.

**V. minor** f. **argenteo-variegata** (West.), grad. nov.

*Vinca minor* 15. *argenteo-variegata* Weston, Bot. Univ. 1: 351 (1770).

**V. minor** f. **variegata** (West.), grad. nov.

*Vinca minor* 6. *variegata* Weston, Bot. Univ. 1: 351 (1770).—Sweet, Hort. Brit. 274 (1826) "e."

*Vinca minor* var. *aureo-variegata* W. Miller ex Schneider, Ill. Handb. Laubh. 2: 849 (1912).

**V. minor** f. **alba** [West.] Dippel, Handb. Laubh. 1: 157 (1889).—Schelle in Beissner et al., Handb. Laubh.-Ben. 423 (1903).

*Vinca minor* 2. *alba* Weston, Bot. Univ. 1: 350 (1770).—Schneider, l. c. (1912) "var."

**V. minor** f. **atropurpurea** (Sweet), grad. nov.

*Vinca minor* γ. *atropurpurea* Sweet, Hort. Brit. 274 (1826), nom. subnud.

**V. minor** f. **multiplex** (Sweet), grad. nov.

*Vinca minor* 5. *plena purpurea* Weston, Bot. Univ. 1: 350 (1770).

*Vinca minor* δ. *multiplex* Sweet, Hort. Brit. 274 (1826), nom. subnud.

**V. minor** f. **azurea** Dippel, Handb. Laubh. 1: 157 (1889) (f.).—Schneider, Ill. Handb. Laubh. 2: 849 (1912) "var."

*Vinca minor* var. *caerulea* W. Miller in Bailey, Cycl. Am. Hort. [4]: 1934 (1902).

**V. major** Linnaeus, Sp. Pl. 209 (1753).—Schneider, Ill. Handb. Laubh. 2: 849, fig. 532a-e (1912).**V. major** f. **variegata** (Loud.), grad. nov.

*Vinca major* var. *variegata* Loudon, Arb. Brit. 2: 1254 (1838).

*Vinca major* *elegantissima* Nicholson, Ill. Dict. Gard. 4: 160 (1887).—W. Miller in Bailey, Cycl. Am. Hort. [4]: 1934 (1902) "var."

**V. difformis** Pourret in Hist. Mém. Acad. Sci. Toulouse, 3: 333 (1788).—Rouy, Fl. France, 10: 226 (1908).

*Vinca media* Hoffmannsegg & Link, Fl. Portug. 1: 376, t. 70 (1809).

*Vinca acutiflora* Bertoloni, Fl. Ital. 2: 751 (1836).

**TRACHELOSPERMUM** Lemaire in Jardin Fleur. 1: t. 61 (1851).—Bentham & Hooker f., Gen. Pl. 2: 720 (1876).

—Schneider in Sargent, Pl. Wilson. 3: 332 (1916).

*Rhynchospermum* Lindley in Jour. Hort. Soc. Lond. 1: 74 (1846), non Reinwardt (1828), nec A. De Candolle (1844).

*Triadenia* Miquel, Fl. Ind. Bat. 2: 458 (1856), non Spach (1836).

*Parechites* Miquel in Versl. Med. Afdeel. Natuurk. Akad. Wetensch. Amsterd. 6: 193 (1859).

TYPE: *Rhynchospermum jasminoides* Lindl. = *T. jasminoides* (Lindl.) Lem.

**T. asiaticum** (Sieb. & Zucc.) Nakai, Trees Shrubs Jap. 1: 306, fig. 170 (1922); Fl. Sylv. Kor. 14: 12, t. 2 (1923).

*Nerium divaricatum* sensu Thunberg, Fl. Jap. 110 (1784), non Linnaeus (1753), nec Loureiro (1790).

*Malouetia asiatica* Siebold & Zuccarini in Abh. Math.-phys. Cl. Akad. Wiss. Münch. 4, 3: 163 (Fl. Jap. Fam. Nat. 2: 39) (1846).

*Parechites Thunbergii* Gray in Mem. Am. Acad. Arts Sci. ser. 2, 6: 403 (Diagn. Char. Pl. Jap.) (1859).

*Trachelospermum divaricatum* Kanitz in Természetr. Füzet. 2: 46 (1878).—Schneider in Sargent, Pl. Wilson. 3: 337 (1916).

*Trachelospermum jasminoides* sensu Franchet & Savatier, Enum. Pl. Jap. 2: 438 [? 1878], non Lemaire (1851).

*Trachelospermum crocostomum* Stapf in Kew Bull. 1906: 74 (1906).

*Trachelospermum jasminoides* var. *pubescens* Makino in Bot. Mag. Tokyo, 16: 122 (1912).

*Trachelospermum asiaticum* var. *pubescens* Nakai, Fl. Sylv. Kor. 14: 13 (1923).

**T. jasminoides** (Lindl.) Lemaire in Jardin Fleur. 1: t. 61 (1851).—Schneider in Sargent, Pl. Wilson. 3: 334 (1916).

*Rhynchospermum jasminoides* Lindley in Jour. Hort. Soc. Lond. 1: 74, fig. (1846).

*Parechites adnascens* Hance in Jour. Bot. 6: 299 (1868).

*Trachelospermum divaricatum* sensu K. Schumann in Nat. Pflanzenfam. 4,2: 173, fig. 58J-L (1895), p. p. quoad syn. Lemaire et fig.; non Kanitz (1878).

### Fam. ASCLEPIADACEAE

ASCLEPIADACEAE Lindley, Veg. Kingd. 623 (1847).—K. Schumann in Nat. Pflanzenfam. IV. 2: 189–306, fig. (1895).—NOM. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935) et Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Asclepiadeae* R. Brown in Mem. Werner. Nat. Hist. Soc. 1: 12 (1809).—Bentham & Hooker f., Gen. Pl. 2: 728 (1876).

*Stapeliaceae* Horaninov, Prim. Lin. Syst. Nat. 70 (1834).

*Vincaceae* 1. *Asclepiadeae* et 2. *Periploceae* Horaninov, Tetractys Nat. 27 (1843), nom. subnud.

*Vincaceae* A. *Asclepiadeae* s. *Stapeliariae* Horaninov, Char. Ess. Fam. Reg. Veg. 113 (1847).

*Periploceae* Schlechter in Notizb. Bot. Gart. Mus. Berlin, 9: 23 (1924).

*Asclepiadineae* Drude in A. Schenk, Handb. Bot. 3,2: 375 (1887).

**PERIPLOCA** Linnaeus, Sp. Pl. 211 (1753); Gen. Pl. ed. 5, 100, no. 267 (1754).—Bentham & Hooker f., Gen. Pl. 2: 746 (1876).

*Campelepis* Falconer in Trans. Linn. Soc. Lond. 19: 101 (1845).

*Socotora* Balfour f. in Proc. Roy. Soc. Edinb. 12: 77 (1884).

Typus: *P. graeca* L.

**P. graeca** Linnaeus, Sp. Pl. 211 (1753).—Boissier, Fl. Or. 4: 49 [1875].—Schneider, Ill. Handb. Laubh. 2: 853, fig. 535a-d, 536a-b (1912).

*Periploca laeta* Salisbury, Prodr. Stirp. Chap. Allert. 148 (1796).

**P. sepium** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 117 (Enum. Pl. Chin. Bor. 43. 1833) (1835).—Schneider in Sargent, Pl. Wilson. 3: 343 (1916).

**MARSDENIA** R. Brown in Mem. Werner. Nat. Hist. Soc. 1: 28 (1809).—Bentham & Hooker f., Gen. Pl. 2: 772 (1876).—K. Schumann in Nat. Pflanzenfam. 4,2: 291 (1895).

*Cynanchum* Linnaeus, Sp. Pl. 212 (1753), p. p. quoad sp. 5.

*Kölreuteria* Medicus, Bot. Beobacht. 1782, 22 (1783), non Laxmann (1772).

*Harrisonia* Sims in Bot. Mag. 53: t. 2699 (1826), non Necker (1790), nec R. Brown ex Jussieu (1825).

*Baxtera* Reichenbach, Consp. Reg. Veg. 131 (1828).

*Sicyocarpus* Bojer, Hort. Maurit. 214 (1837), nom.

*Cionura* Grisebach, Spicil. Fl. Rumel. 2: 69 (1844).

*Leichhardtia* R. Brown in Sturt, Exped. Centr. Austral. 2(App.): 81 (Bot. App. 18) (1849).

*Rühssia* Karsten in Verh. Ver. Beförd. Gartenb. Preuss. 19,2: 304 (1849).

*Tetragonocarpus* Hasskarl in Flora, 20: 99 (1857).

*Chlorochlamys* Miquel in Ann. Mus. Bot. Lugd.-Bat. 4: 142 (1868).

*Sphinctostoma* Benthham ex Benthham & Hooker f., Gen. Pl. 2: 772 (1876), pro syn.

*Marsdenia* sect. *Eumarsdenia* Hooker f., Fl. Brit. Ind. 4: 34 (1883).

*Verlotia* Fournier in Martius, Fl. Brasil. 6,4: 324 (1885).

LECTOTYPUS: *Cynanchum erectum* L. = *M. erecta* (L.) R. Br.

**M. erecta** (L.) R. Brown in Mem. Werner. Nat. Hist. Soc. 1: 28 (1809).—Schneider, Ill. Handb. Laubh. 2: 853, fig. 535e-k, 536c-d (1912).—Everett in Gard. Chron. Am. 50: 220, fig. (1946).

*Cynanchum erectum* Linnaeus, Sp. Pl. 213 (1753).

*Cionura erecta* Grisebach, Spicil. Fl. Rumel. 2: 69 (1844).

**WATTAKAKA** (Decne.) Hasskarl in Flora, 40: 99 (1857).—Stapf in Bot. Mag. 148: t. 8976, p. [1] (1922).

*Hoya* sect. *Wattakaka* Decaisne in De Candolle, Prodr. 8: 639 (1844), err. typogr.

*Dregea* Benthham & Hooker f., Gen. Pl. 2: 775 (1876), p. p.; non E. Meyer (1837).

*Dregea* sect. *Wattakaka* K. Schumann in Nat. Pflanzenfam. IV. 2: 293 (1895).

Typus: *W. viridiflora* Hassk. = *W. volubilis* (L.) Stapf.

**W. sinensis** (Hemsl.) Stapf in Bot. Mag. 148: t. 8976 (1922).

*Dregea sinensis* Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 115 (1889).—Schneider in Sargent, Pl. Wilson. 3: 352 (1916).

### Fam. POLEMONIACEAE

POLEMONIACEAE Ventenat, Tabl. Règ. Vég. 2: 398 (1799) "*Polemonaceae*."—De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 645 (1805).—A. Brand in Engler, Pflanzenreich, IV. 250(Heft 27): 203 pp., ill. (1907).

*Cobaeaceae* Dumortier, Anal. Fam. Pl. 20 (1829).

*Convolvulaceae* 1. *Polemoniariae* Reichenbach, Handb. Nat. Pflanzenzysst. 194 (1837).

*Polemoniaceae*: *Polemoniaceae* Horaninov, Tetractys Nat. 28 (1843), nom. subnud.; Char. Ess. Fam. Reg. Veg. 124 (1847).

**GILIA** Ruiz & Pavon, Fl. Peruv. Prodr. 25, t. 4 (1794); Fl. Peruv. Chil. 2: 17, t. 123, b (1799).—Bentham & Hooker f., Gen. Pl. 2: 822 (1876).—A. Brand in Engler, Pflanzenreich, IV. 250(Heft 27): 126 (1907).

*Ipomopsis* Michaux, Fl. Bor.-Am. 1: 141 (1803).

*Brickellia* Rafinesque in Med. Repos. New York, 5: 353 (1808).

*Ipomeria* Nuttall, Gen. Am. Pl. 1: 124 (1818).

*Batanthes* Rafinesque, Atlant. Jour. 145 (1832).

*Fenzlia* Benthham in Bot. Reg. 19: t. 1622, p. [2] (1833, Oct.), *F. Endlicheri* est nom. posterius (1834).

*Leptosiphon* Benthham, l. c. (1833).

*Linanthus* Benthham, l. c. (1833).—Greene in Pittonia, 2: 251 (1892).

*Leptodactylon* Hooker & Arnott, Bot. Beechey's Voy. 369 (1840).

*Dactylophyllum* Spach, Hist. Nat. Vég. Phan. 9: 108



**Gilia** (continued)

(1840). — Heller in Muhlenbergia, 2: 231, 309 (1906, 1907). — Non Spenner (1829).

*Rossmasslera* Reichenbach, Repert. Herb.; Nomencl. Gen. Pl. 113 (Deutsch. Bot. i.) (1841).

Typus: *G. laciniata* Ruiz & Pav.

**G. californica** (Hook. & Arn.) Benth in De Candolle, Prodr. 9: 316 (1845). — Gray, Syn. Fl. N. Am. 2, 1: 140 (1878). — A. Brand in Engler, Pflanzenreich, IV. 250 (Heft 27): 128 (1907).

*Leptodactylon californicum* Hooker & Arnott, Bot. Beechey Voy. 369, t. 89 (1841).

Fam. **BORAGINACEAE**

BORAGINACEAE Lindley, Nat. Syst. Bot. ed. 2, 274 (1836). — Gürke in Nat. Pflanzenfam. IV. 3: 71 (1893) "*Boraginaceae*." — NOM. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. 1: 358 (1936).

*Boraginaceae* Necker in Act. Acad. Elect. Sci. Theod. Palat. 2: 478 (1770), nom. subnud. — Jussieu, Gen. Pl. 128 (1789). — Ventenat, Tabl. Règ. Vég. 2: 385 (1799). — De Candolle, Prodr. 9: 466 (1844). — Benth in Hooker f., Gen. Pl. 2: 832 (1876).

*Asperifoliae* Scopoli, Fl. Carniol. 438 (1760, pref. June). — Linnaeus, Praelect. Ord. Nat. Pl. ed. Giseke, 489 (1792). — Endlicher, Gen. Pl. 644 [1839].

*Cordiaceae* [R. Brown, Prodr. Fl. Nov. Holland. 492 (1810) in obs., sine nom. —] Lindley, Nat. Syst. Bot. ed. 2, 272 (1836).

*Asperifoliaceae* Reichenbach, Consp. Reg. Veg. 118 (1828), p. p.; nom. subnud.; Handb. Nat. Pflanzensyst. 192 (1837), p. p. typ.

*Onosmaceae* Horaninov, Prim. Lin. Syst. Nat. 75 (1834).

*Ehretiaceae* Lindley, Nat. Syst. Bot. ed. 2, 273 (1836).

**EHRETIA** Linnaeus, Syst. Nat., ed. 10, 2: 936 (1759). — Benth in Hooker f., Gen. Pl. Pl. 2: 840 (1876).

*Lutrostylis* G. Don, Gen. Hist. Dichlam. Pl. 4: 391 (1838).  
Typus: *E. tinifolia* L.

**E. thyrsoiflora** (Sieb. & Zucc.) Nakai, Trees Shrubs Jap. 1: 327, fig. 179 (1922); in Jour. Arnold Arb. 5: 38 (1924).

*Ehretia serrata* β. *obovata* Lindley in Bot. Reg. 13: t. 1097, p. [1] (1827).

*Ehretia ovalifolia* sensu Hasskarl, Cat. Hort. Bogor. 137 (1844), non Wight (1848).

*Cordia thyrsoiflora* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 3: 150 (Fl. Jap. Fam. Nat. 2: 26) (1846).

*Ehretia serrata* sensu Franchet & Savatier, Enum. Pl. Jap. 1: 333 (1875), non Roxburgh (1824).

*Ehretia acuminata* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 143 (1890). — Wilson in Sargent, Pl. Wilson. 3: 362 (1916). — Non R. Brown (1810).

*Ehretia acuminata* var. *grandifolia* Pampanini in Nuov. Giorn. Bot. Ital. n. ser., 17: 699 (1910).

**E. Dicksoni** Hance in Ann. Sci. Nat. Bot. sér. 4, 18: 224 (1862). — Nakai in Jour. Arnold Arb. 5: 39 (1924).

*Ehretia macrophylla* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 145 (1890). — Wilson in Sargent, Pl. Wilson. 3: 364 (1916), p. p. — Non Wallich (1824).

**MOLTKIA** Lehmann in Neue Schrift. Naturf. Ges. Halle, 3, 2: 3 (1817). — Benth in Hooker f., Gen. Pl. 2: 861 (1876).

*Onosma* sensu Willdenow, Sp. Pl. 1, 2: 775 [1798], p. p. quoad sp. 5; non Linnaeus (1764).

Typus: *Onosma coerulea* Willd. = *M. coerulea* (Willd.) Lehm.

**M. petraea** (Tratt.) Reichenbach f., Icon. Fl. Germ. 18: 66, t. 1315 (1858). — Schneider, Ill. Handb. Laubh. 2: 590, fig. 383m-o (1911).

*Echium petraeum* Portenschlag ex Trattinnick, Thesaur. Bot. 8, t. 34 (1819).

*Lithospermum rosmarinifolium* Reichenbach, Fl. Germ. Excurs. 1: 337 [1831], non Tenore [1819?].

*Lithospermum petraeum* A. de Candolle in De Candolle, Prodr. 10: 82 (1846). — Hooker f. in Bot. Mag. 97: t. 5942 (1871).

**M. coerulea** (Willd.) Lehmann in Neue Schrift. Naturf. Ges. Halle, 3, 2: 3 (1817). — Gürke in Nat. Pflanzenfam. IV. 3a: 122, fig. 48, e, f, [1893].

*Onosma coerulea* Willdenow, Sp. Pl. 1, 2: 775 [1798].

**M. suffruticosa** (L.) Brand in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 3: 1909 (1907). — Schneider, Ill. Handb. Laubh. 2: 589 (1911).

*Pulmonaria suffruticosa* Linnaeus, Sp. Pl. ed. 2, App. 1667 (1763).

*Lithospermum graminifolium* Viviani in Ann. di Bot. 1: 163 (1802).

*Moltkia graminifolia* Benth in Hooker f., Gen. Pl. 2: 861 (1876).

*Lithospermum suffruticosum* A. Kerner, Sched. Fl. Exsicc. Austr.-Hung. 1: 52 (1881).

**LITHOSPERMUM** Linnaeus, Sp. Pl. 132 (1753); Gen. Pl. ed. 5, 64, no. 166 (1754). — Benth in Hooker f., Gen. Pl. 2: 860 (1876).

*Batschia* G. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 315 (1791).

*Buglossoides* Moench, Meth. Pl. 418 (1794).

*Cyphorima* Rafinesque in Am. Monthly Mag. 4: 191, 357 (1819).

*Aegonychon* S. F. Gray, Nat. Arr. Brit. Pl. 2: 354 (1821).

*Rhytispermum* Link, Handb. Erkenn. Gew. 1: 579 (1829).

*Margarospermum* Spach, Hist. Nat. Vég. Phan. 9: 31 (1840).

*Lithodora* Grisebach, Spicil. Fl. Rumel. 2: 85 (1844). — I. M. Johnston in Contrib. Gray Herb. n. ser., 73: 55 (1924).

*Gymnoleima* Decaisne in Jacquemont, Voy. l'Inde, 4(Bot.): 122 (1844).

*Pentalophus* A. de Candolle in De Candolle, Prodr. 10: 86 (1846).

LECTOTYPUS: *L. officinale* L.

**L. diffusum** Lagasca in Varied. Ci. Lit. Art. 2, 4: 39 (1805); Gen. Sp. Pl. 10, no. 134 (1816). — Rouy, Fl. France, 10: 314 (1908).

*Lithospermum fruticosum* sensu Brotero, Fl. Lusit. 1: 292 (1804). — Hoffmannsegg & Link, Fl. Portug. 1: 170, t. 2 (1809). — Non Linnaeus (1753).

*Lithospermum prostratum* Loiseleur, Fl. Gall. 1: 105 (1806); 2: t. 4 (1807). — Willkomm & Lange, Prodr. Fl. Hisp. 2: 499 (1870).

*Lithodora prostrata* Grisebach, Spicil. Fl. Rumel. 2: 531 (1844).

*Lithodora diffusa* I. M. Johnston in Contrib. Gray Herb. n. ser., 73: 56 (1924).

**L. oleifolium** Lapeyrouse, Hist. Abr. Pl. Pyrén. Suppl. 28 (1818). — Stapf in Bot. Mag. 149: t. 8994 (1924). —

Sealy in Bot. Mag. **162**: t. 9559 (1939), var. vel sp. nova, vel pl. heterostyla?

*Lithodora oleifolia* Grisebach, Spicil. Fl. Rumel. **2**: 531 (1844).

**L. fruticosum** Linnaeus, Sp. Pl. 133 (1753). — A. de Candolle in De Candolle, Prodr. **10**: 81 (1846). — Willkomm & Lange, Prodr. Fl. Hisp. **2**: 499 (1870).

*Lithospermum collinum* Salisbury, Prodr. Stirp. Chap. Allert. 113 (1796).

*Lithodora fruticosa* Grisebach, Spicil. Fl. Rumel. **2**: 531 (1844).

### Fam. VERBENACEAE

VERBENACEAE [Jussieu in Ann. Mus. Hist. Nat. Paris, **5**: 254 (1804); **7**: 63 (1806) "Verbenacées." —] Persoon, Syn. Pl. **2**: 138 [1806]. — Bentham & Hooker f., Gen. Pl. **2**: 1131 (1876). — NOM. CONSERV.; cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. **1**: 358 (1936).

*Vitices* Jussieu, Gen. Pl. 106 (1789); in Ann. Mus. Hist. Nat. Paris, **7**: 64 (1806) "Viticeae," pro syn.

*Pyrenaceae* Ventenat, Tabl. Règ. Vég. **2**: 315 (1799). — Nakai, Fl. Sylv. Kor. **14**: 26 (1923). — Nom. illegit., non de nomine generico derivatum (cf. Art. 23).

*Verbenaceae* §. 1. *Viticeae* Bartling, Ord. Nat. Pl. 179 (1830). — Lindley, Nat. Syst. Bot. ed. 2, 278 (1836).

*Stilbineae* Kunth, Handb. Bot. 393 (1831).

*Stilbaceae* Lindley, op. cit. 280 (1836).

*Labiatae* 3. *Angiocarpicae* a. *Verbeneae* Reichenbach, Handb. Nat. Pflanzensyst. 190 (1837), nom. subnud.

*Verbenaceae* b. *Verbenaceae* Horaninov, Tetractys Nat. **28** (1843), nom. subnud.

*Verbenaceae* v. *Pyrenaceae* v. *Verae* Horaninov, Char. Ess. Fam. Reg. Vég. 128 (1847).

*Duranteeae* J. G. Agardh, Theor. Syst. Pl. 295, t. 22, fig. 8, 9 (1858).

*Petraeaceae* J. G. Agardh, op. cit. 364 (1858).

*Stilbineae* Warming (& Möbius), Handb. Syst. Bot. ed. 2, 414 (1902). — Junell in Symb. Bot. Upsal. **14**: 56 (Gynäc. Syst. Verben. Lab.) (1934).

**VERBENA** Linnaeus, Sp. Pl. 18 (1753); Gen. Pl. ed. 5, 12, no. 30 (1754). — Bentham & Hooker f., Gen. Pl. **2**: 1146 (1876).

*Burseria* Loeffling, Iter Hisp. 194 (1758).

*Obletia* Rozier in Introd. Obs. Phys. Hist. Nat. (ed. Rozier) **1**: 367, t. (1771).

*Patya* Necker, Elem. Bot. **1**: 296 (1790).

*Billardiera* Moench, Meth. Pl. 369 (1794).

*Glandularia* Gmelin in Linnaeus, Syst. Nat. ed. 13, **2**: 920 (1791).

*Stylodon* Rafinesque, Neogenyt. 2 (1825).

*Styleurodon* Rafinesque, Fl. Tellur. **2**: 104 (1836).

*Shuttleworthia* Meissner, Pl. Vasc. Gen. **1**: 290; **2**: 198 [1840?].

*Uwarowia* Bunge in Bull. Acad. Sci. St. Pétersb. **7**: 278, t. (1840).

*Junellia* Moldenke in Lilloa, **5**: 392 (1940).

LECTOTYPUS: *V. officinalis* L.

**V. tridens** Lagasca, Gen. Sp. Nov. 19 (1816). — Hauman in Anal. Soc. Ci. Argent. **89**: 224, fig. (1920).

*Verbena Carroo* Spegazzini in Anal. Soc. Ci. Argent. **15**: 112 (1883).

*Junellia tridens* Moldenke in Lilloa, **5**: 402 (1940).

**DIOSTEA** Miers in Trans. Linn. Soc. Lond. **27**: 102, t. 28 (1870). — S. Moore in Trans. Linn. Soc. Lond. ser. 2, **4**: 438 [1895].

*Baillonia* sensu Bentham in Bentham & Hooker f., Gen. Pl. **2**: 1133, 1143 (1876), p. p.; non Bocquillon (1862); cf. Moldenke in Darwiniana, **5**: 168 (1941).

TYPUS: *Verbena juncea* Gill. & Hook. = *D. juncea* (Gill. & Hook.) Miers.

**D. juncea** (Gill. & Hook.) Miers in Trans. Linn. Soc. Lond. **27**: 103, t. 28 (1870).

*Verbena juncea* Gillies & Hooker in Bot. Misc. **1**: 162 (1830).

*Lippia juncea* Schauer in De Candolle, Prodr. **11**: 573 (1847).

*Baillonia juncea* Bentham & Hooker f. ex B. D. Jackson in Index Kew. **1**: 264 [1893]. — Bentham ex Thiseleton-Dyer in Index Kew. Suppl. **2**: 23 (1904).

**CALLICARPA** Linnaeus, Sp. Pl. 111 (1753); Gen. Pl. ed. 5, 50, no. 127 (1754). — Bentham & Hooker f., Gen. Pl. **2**: 1150 (1876). — Moldenke in Repert. Sp. Nov. Reg. Veg. **39**: 288; **40**: 38 (1936).

*Johnsonia* Miller, Gard. Dict. abridg. ed. 4, **2** (1754).

*Burcardia* Heister ex Duhamel, Traité Arb. Arbust. **1**: 111, t. 4 (1755). — Crantz, Inst. Rei Herb. **2**: 359 (1766) "Burchardia."

[*Spondylococcus* Mitchell in Acta Phys.-Med. Acad. Nat. Curios. **8**(app.): 218 (1748); Diss. Brevis Princip. Bot. **40** (1769), reprint; nom. prae-Linn.!]

*Porphyra* Loureiro, Fl. Cochinch. 70 (1790).

*Amictonis* Rafinesque, Sylva Tellur. 161 (1838).

LECTOTYPUS: *C. americana* L.

**C. dichotoma** (Lour.) Raeuschel, Nomencl. Bot. ed. 3, 37 (1797), nom. — K. Koch, Dendr. **2**: 336 (1872). — Rehder in Sargent, Pl. Wilson. **3**: 370 (1916); in Jour. Arnold Arb. **15**: 324 (1934). — Nakai, Fl. Sylv. Kor. **14**: 27, t. 5 (1923). — P'ei in Mem. Sci. Soc. China, **13**: 51 (Verbenac. China) (1932).

*Porphyra dichotoma* Loureiro, Fl. Cochinch. 70 (1790).

*Callicarpa purpurea* Jussieu in Ann. Mus. Hist. Nat. Paris, **7**: 67 (1806). — Schneider, Ill. Handb. Laubb. **2**: 592, fig. 385m (1911).

*Callicarpa gracilis* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. **43**: 154 (Fl. Jap. Fam. Nat. **2**: 30) (1846).

*Callicarpa japonica* var. *angustifolia* Savatier in Yonan-Si, Livres Kwawi, 78 (1873).

*Callicarpa Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 182 (1913).

*Callicarpa japonica* var. *dichotoma* Bakhuisen in Bull. Jard. Bot. Buitenz. ser. 3, **3**: 26 (1921), p. p.

*Callicarpa japonica* var. *Taquetii* Nakai, Fl. Sylv. Kor. **14**: 31, t. 7 (1923), p. p.

*Callicarpa koreana* Hort. Vilmor. ex Bull. Soc. Dendr. France, **1933**: 82 (1933), nom. — Rehder, Man. Cult. Trees Shrubs, ed. 2, 804 (1940), pro syn.

**C. japonica** Thunberg, Fl. Jap. 60 (1784). — Rehder in Sargent, Pl. Wilson. **3**: 368 (1916). — Nakai, Fl. Sylv. Kor. **14**: 30, t. 6 (1923): Trees Shrubs Jap. rev. ed. **1**: 452, fig. 214 (1927). — P'ei in Mem. Sci. Soc. China, **13**: 53 (Verbenac. China) (1932).

*Callicarpa mimurasaki* Hasskarl, Cat. Pl. Hort. Bogor. Alt. 136 (1844), nom.

*Callicarpa Murasaki* Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. **1844**: 25 (1844), nom.

*Callicarpa japonica* a. *C. erythrocarpa* Siebold in op. cit. **1845**: 71, t. 6 (1845).

*Callicarpa longifolia* a. *subglabrata* Schauer in De Candolle, Prodr. **11**: 645 (1847), p. p.

**Callicarpa japonica** (*continued*)

*Callicarpa japonica* var. *typica* Bakhuizen in Bull. Jard. Bot. Buitenz. sér. 3, 3: 25 (1921).

**C. japonica** f. *leucocarpa* (Sieb.), grad. nov.

*Callicarpa japonica* β. *C. leucocarpa* Siebold in Jaarb. Nederl. Maatsch. Aanmoed. Tuinb. 1845: 71, t. 5 (1845).

**C. japonica** var. *angustata* Rehder in Sargent, Pl. Wilson. 3: 369 (1916).—Nakai, Trees Shrubs Jap. rev. ed. 1: 455, fig. 216 (1927).—P'ei in Mem. Sci. Soc. China, 13: 55, t. 7 (Verbenac. China) (1932).

*Callicarpa longifolia* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 253 (1890), p. p.; non Lamarck [1785].

*Callicarpa caudatifolia* Koidzumi in Bot. Mag. Tokyo, 39: 8 (1925).

**C. Shirasawana** (*C. japonica* × *mollis*) Makino in Bot. Mag. Tokyo, 24: 28 (1910).—Nakai, Trees Shrubs Jap. rev. ed., 1: 462, fig. 219 (1927).

*Callicarpa mollis* sensu Shirasawa, Icon. Ess. For. Trees Jap. 2: t. 70, fig. 20–27 (1907), non Siebold & Zuccarini (1846).

**C. Bodinieri** Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 456 (1911).—Rehder in Jour. Arnold Arb. 15: 321 (1934).—Handel-Mazzetti, Symb. Sin. 7: 900 (1936).

*Callicarpa Seguini* Léveillé in op. cit. 455 (1911).

*Callicarpa Feddei* Léveillé in op. cit. 10: 439 (1912).

*Callicarpa Girdaldiana* var. *subcanescens* Rehder in Sargent, Pl. Wilson. 3: 368 (1916).—P'ei in Mem. Sci. Soc. China, 13: 34, t. 2 (Verbenac. China) (1932).

**C. Bodinieri** var. *Girdaldii* (Rehd.) Rehder in Jour. Arnold Arb. 15: 322 (1934).

*Callicarpa Girdaldiana* Hort. Hesse ex Schneider, Ill. Handb. Laubb. 2: 1048 (1912), nom.—Rehder in Sargent, Pl. Wilson. 3: 366 (1916).—P'ei in Mem. Sci. Soc. China, 13: 23 (Verbenac. China) (1932).

*Callicarpa Girdaldii* Hesse ex Rehder in Bailey, Stand. Cycl. Hort. 2: 629 (1914).

*Callicarpa Mairei* Léveillé, Sert. Yunnan. 2 (1916).

**C. mollis** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 43: 155 (Fl. Jap. Fam. Nat. 2: 31) (1846).—Nakai, Fl. Sylv. Kor. 14: 32, t. 9 (1923); Trees Shrubs Jap. rev. ed. 1: 456, t. 217 (1927).

*Callicarpa Zollingeriana* Schauer in De Candolle, Prodr. 11: 640 (1847).

**C. americana** Linnaeus, Sp. Pl. 111 (1753).—Gray, Syn. Fl. N. Am. 2, 1: 340 (1878).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 3: 99, fig. 3563 (1913).

*Burchardia callicarpa* Crantz, Inst. Rei Herb. 2: 360 (1766).

*Johnsonia Americana* Miller, Gard. Dict. ed. 8 (1768).

*Callicarpa viburnifolia* Salisbury, Prodr. Stirp. Chap. Allert. 53 (1796).

*Callicarpa americana* (var.) *purpurea* F. J. Muller in Am. Garden, 10: 463 (1889).

*Burchardia americana* Du Hamel ex B. D. Jackson in Index Kew. 1: 361 [1893], pro syn.

**C. americana** f. *lactea* (F. J. Mull.), grad. nov.

*Callicarpa americana* var. *lactea* F. J. Muller, l. c. (1889).

*Callicarpa americana* var. *alba* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 628 (1914).

**VITEX** Linnaeus, Sp. Pl. 638 (1753); Gen. Pl. ed. 5, 285, no. 708 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1154 (1876).

*Limia Vandelli*, Fl. Lusit. Bras. 42, t. 3, fig. 21 (1788).

*Allasia Loureiro*, Fl. Cochinch. 107 (1790).

*Tripinna Loureiro*, op. cit. 476 (1790).

*Nephandra Willdenow* in Cothenius, Dispos. Veg. 8 (1790).

*Chrysomallum* Du Petit-Thouars, Gen. Nov. Madag. 8 (1806).

*Tripinnaria* Persoon, Syn. Pl. 2: 173 [1806].

*Pyrostoma* G. F. W. Meyer, Prim. Fl. Esseq. 219 (1818).

*Wallrothia* Roth, Nov. Pl. Sp. 317 (1821).

*Psilogyne* De Candolle in Bibl. Univ. Genève, n. sér. 17: 132 (Rev. Bignon. 13) (1838).

*Casarettoa* Walpers, Repert. Bot. Syst. 4: 91 (1844).

*Agnus castus* Carrière in Rev. Hort. 1870: 415 (1871).

LECTOTYPUS: *V. Agnus-castus* L.

**V. Agnus-castus** Linnaeus, Sp. Pl. 638 (1753) "*V. Agnus castus*."—Nicholson, Ill. Dict. Gard. 4: 186, fig. 201 (1887).—B. D. Jackson in Index Kew. 2: 1213 (1895).—Rouy, Fl. France, 11: 218 (1909).—Hegi, Ill. Fl. Mittel-Eur. 5, 3: 2237 [1927] "*V. Agnus castus*"; with an etymological note.

*Vitex verticillata* Lamarck, Fl. Franç. 2: 363 (1778).

*Vitex lupinifolia* Salisbury, Prodr. Stirp. Chap. Allert. 106 (1796).

*Vitex Agnus* Stokes, Bot. Mat. Med. 3: 413 (1812).

*Vitex Agnus a. integerrima* Stokes, l. c. (1812).

*Agnus castus vulgaris* Carrière in Rev. Hort. 1870: 415 (1871).

*Vitex Agnus-castus* var. *caerulea* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1947 (1902).

**V. Agnus-castus** f. *alba* (West.), grad. nov.

*Vitex Agnus castus* 2. *alba* Weston, Bot. Univ. 1: 311 (1770).—Rehder in Bailey, Cycl. Am. Hort. [4]: 1947 (1902) "var."

*Agnus castus vulgaris alba* Carrière in Rev. Hort. 1870: 415 (1871).

*Vitex albiflora* Hort. ex Rehder, l. c. (1902), pro syn.

**V. Agnus-castus** f. *rosea* Rehder in Jour. Arnold Arb. 20: 427 (1939).

*Vitex macrophylla rosea* Chenault ex Rehder in op. cit. 428 (1939), pro syn.

**V. Agnus-castus** f. *latifolia* (Mill.) Rehder, l. c. (1939).

*Vitex latifolia* Miller, Gard. Dict. ed. 8, V. no. 2 (1768).

*Vitex Agnus castus* var. *latifolia* Loudon, Arb. Brit. 3: 1286 (1838).

*Agnus castus robusta* Carrière in Rev. Hort. 1870: 416 (1871).

*Vitex macrophylla* Anon. in Horticulture, 5: 350, fig. (1927).—B. R. Slade in Horticulture, 8: 552, fig. (1930).

*Vitex Negundo* var. *macrophylla* Moldenke in Am. Midland Nat. 24: 753 (1940).

**V. Negundo** Linnaeus, Sp. Pl. 638 (1753).—Rehder in Sargent, Pl. Wilson. 3: 372 (1916).—P'ei in Mem. Sci. Soc. China, 13: 101 (Verbenac. China) (1932).

*Vitex paniculata* Lamarck, Encycl. Méth. Bot. 2: 612 [1788].

*Vitex gracilis* Salisbury, Prodr. Stirp. Chap. Allert. 107 (1796).

*Vitex arborea* Fischer ex Desfontaines, Cat. Hort. Paris, ed. 3, 391 (1829).

*Vitex leucoxylon* Blanco, Fl. Filip. 516 (1837).

*Agnus castus Negundo* Carrière in Rev. Hort. 1870: 416 (1871).

- ?*Agnus Castus robusta paniculata* Carrière in Rev. Hort. 1874: 499 (1874).  
*Vitex Negundo* var. *a. typica* H. Lam in Bull. Jard. Bot. Buitenz. sér. 3, 3: 56 (1921).
- V. Negundo** f. *intermedia* P'ei in Mem. Sci. Soc. China, 1,3: 105 (Verbenac. China) (1932).—Moldenke in Revista Sudam. Bot. 5: 3 (1937) "var."
- V. Negundo** var. *heterophylla* (Franch.) Rehder in Jour. Arnold Arb. 28: 258 (1947).  
*Vitex chinensis* Miller, Gard. Dict. ed. 8, V. no. 5 (1768).—Nakai, Fl. Sylv. Kor. 14: 38, t. 12 (1923).  
*Vitex sinuata* Medicus in Hist. Comm. Acad. Elect. Theodoro-Palat. 4: (Phys.): 202, t. 8 (Bot. Beob.) (1780).  
*Vitex incisa* Lamarck, Encycl. Méth. Bot. 2: 612 [1788].—Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 126 (Enum. Pl. Chin.-Bor. 52. 1838).—Merrill in Lingnan Sci. Jour. 5: 158 (1927).  
*Vitex Negundo* sensu Curtis in Bot. Mag. 11: t. 364 (1797), non Linnaeus (1753).  
*Vitex laciniatus* Hort. ex Schauer in De Candolle, Prodr. 11: 684 (1847), pro syn.  
*Agnus castus incisa* Carrière in Rev. Hort. 1870: 415 (1871).  
*Vitex incisa* var. *heterophylla* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 6: 112 (Pl. David. 1: 232. 1884) (1883).  
*Vitex Negundo* var. *incisa* (Lam.) C. B. Clarke in Hooker f., Fl. Brit. Ind. 4: 584 (1885).—Rehder in Sargent, Pl. Wilson. 3: 373 (1916).—P'ei in Mem. Sci. Soc. China 1,3: 106 (Verbenac. China) (1932).
- V. Negundo** var. *heterophylla* f. *multifida* (Carr.) Rehder in Jour. Arnold Arb. 48: 258 (1947).  
*Agnus castus incisa multifida* Carrière in Rev. Hort. 1870: 416 (1871).  
*Vitex incisa* var. *multifida* Schneider, Ill. Handb. Laubh. 2: 594, fig. 384m-n (1911).  
*Vitex Negundo* var. *incisa* f. *multifida* (Carr.) Rehder in Bailey, Stand. Cycl. Hort. 6: 3481, 3574 (1917).
- V. rotundifolia** Linnaeus f., Suppl. Pl. 294 (1781).—Nakai, Trees Shrubs Jap. 1: 350, fig. 190 (1922); Fl. Sylv. Kor. 14: 37, t. 11 (1923).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 902 (1940).  
*Vitex ovata* Thunberg, Fl. Jap. 257 (1784).  
*Vitex repens* Blanco, Fl. Filip. 513 (1937).  
*Vitex trifolia* β. *unifoliolata* Schauer in De Candolle, Prodr. 11: 683 (1847).—P'ei in Mem. Sci. Soc. China, 1,3: 100 (Verbenac. China) (1932).  
*Vitex trifolia* α. *obovata* Benthams, Fl. Austral. 5: 67 (1870).  
*Vitex trifolia* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 258 (1890), p. p.; non Linnaeus (1753).  
*Vitex trifolia* var. *ovata* Makino in Bot. Mag. Tokyo, 17: 92 (1903).—Merrill in Lingnan Sci. Jour. 5: 158 (1927).
- CLERODENDRON** Linnaeus, Sp. Pl. 637 (1753) "*Clerodendrum*"; Gen. Pl. ed. 5, 285, no. 707 (1754) "*Clerodendrum*."—Adanson, Fam. Pl. 2: 199 (1763).—Bentham & Hooker f., Gen. Pl. 2: 1155 (1876).  
*Siphonanthus* Linnaeus, Sp. Pl. 109 (1753).—Nakai, Trees Shrubs Jap. 1: 344 (1922).  
*Ovieda* Linnaeus, Sp. Pl. 188 (1753).  
*Volkameria* Linnaeus, Sp. Pl. 637 (1753).  
*Valdia* Adanson, Fam. Pl. 2: 157 (1763).  
*Douglassia* Adanson, op. cit. 2: 200 (1763).—Houston, Reliq. Houston. 6, t. 13 (1789) "*Volkameria aculeata* Linn." in tab.; pro syn.—Ammann Herb. 576 ex Endlicher, Gen. Pl. 637 [1839] "*Douglassia*," pro syn.  
*Montalbania* Necker, Elem. Bot. 1: 273 (1790).  
*Volkmannia* Jacquin, Pl. Rar. Hort. Schoenbr. Descr. 3: t. 338 (1798).  
*Agricolaea* Schrank in Denkschr. Akad. Wiss. Münch. 1808[1]: 98 (1809).  
*Torreya* Sprengel, Neu. Entdeck. Pflanzenk. 2: 121 (1821).  
*Cornacchinia* Savi in Mem. Mat. Fis. Soc. Ital. Sci. Modena, 21: 184, t. 7 (1837).  
*Egena* Rafinesque, Fl. Tellur. 2: 85 [1837].  
*Rotheca* Rafinesque, op. cit. 4: 65 [1838].  
*Cyclonema* Hochstetter in Flora, 25,1: 225 (1842).  
*Spironema* Hochstetter in op. cit. 226 (1842).  
*Cytostemma* Kunze in Bot. Zeitung, 1: 272 (1842).  
*Tetrathyranthus* Gray in Proc. Am. Acad. Arts Sci. 6: 50 (1862).  
LECTOTYPUS: *C. infortunatum* L.
- C. trichotomum** Thunberg, Fl. Jap. 256 (1784).—Rehder in Sargent, Pl. Wilson. 3: 375 (1916).—P'ei in Mem. Sci. Soc. China, 1,3: 154 (Verbenac. China) (1932).  
*Clerodendron serotinum* Carrière in Rev. Hort. 1867: 351, fig. 34 (1867).  
*Siphonanthus trichotoma* Nakai, Trees Shrubs Jap. 1: 345, fig. 188 (1922); Fl. Sylv. Kor. 14: 35, t. 10 (1923) "*trichotomus*."
- C. trichotomum** var. *Fargesii* (Dode) Rehder in Sargent, Pl. Wilson. 3: 376 (1916).—P'ei in Mem. Sci. Soc. China, 1,3: 157 (Verbenac. China) (1932).  
*Clerodendron trichotomum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 26: 262 (1890), p. p.; non Thunberg (1784).  
*Clerodendron Fargesii* Dode in Bull. Soc. Dendr. France, 1907: 207, fig. (1907).  
*Clerodendron koshunense* Hayata, Mat. Fl. Formosa, 217 (1911).  
*Clerodendron trichotomum* var. *Fargesii* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 800 (1914), pro syn.  
*Siphonanthus trichotoma* var. *Fargesii* Nakai, Trees Shrubs Jap. 1: 346 (1922).
- C. Bungei** Steudel, Nomencl. Bot. ed. 2, 1: 382 (1840).—Planchon in Fl. des Serr. 9: 17, t. 863-64 (1853).  
*Clerodendron foetidum* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 126 (Enum. Pl. Chin. Bor. 52. 1833) (1835).—Rehder in Sargent, Pl. Wilson. 3: 375 (1916); in Jour. Arnold Arb. 15: 324 (1934).—P'ei in Mem. Sci. Soc. China, 1,3: 138 (Verbenac. China) (1932).—Non D. Don (1825).  
*Pavetta Esquirolii* Lévillé in Repert. Sp. Nov. Reg. Veg. 13: 178 (1914).  
*Clerodendron yatschuense* H. Winkler in Repert. Sp. Nov. Reg. Veg. Beih. 12: 474 (1922).
- CARYOPTERIS** Bunge in Uchen. Zapisk. Kazan. Univ. 1835,4: 178 (Pl. Monghol.-Chin. Dec. I. 28) (1835).—Bentham & Hooker f., Gen. Pl. 2: 1157 (1876).  
*Barbula Loureiroi*, Fl. Cochinch. 367 (1790), non Hedwig (1782).  
*Mastacanthus* Endlicher, Gen. Pl. 638 [1839].  
TYPUS: *C. mongholica* Bunge.
- C. incana** (Houttuyn) Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 97 (Prol. Fl. Jap. 29) (1866).—Rehder in Sargent, Pl. Wilson. 3: 378 (1916).—P'ei in Mem. Sci. Soc. China, 1,3: 168 (Verbenac. China) (1932).—Merrill in Jour. Arnold Arb. 19: 362 (1938).  
*Nepeta incana* Thunberg ex Houttuyn, Natuurl. Hist. 2,9:

**Caryopteris incana** (*continued*)

- 307, t. 56, fig. 2 (1778).—Thunberg, Fl. Jap. 244 (1784).  
*Barbula sinensis* Loureiro, Fl. Cochinch. 367 (1790).  
*Nepeta japonica* Willdenow, Sp. Pl. 3: 52 (1800).  
*Mastacanthus Barbula* Steudel, Nomencl. Bot. ed. 2, 2: 105 (1841).  
*Mastacanthus sinensis* Endlicher in Walpers, Repert. Bot. Syst. 4: 2 (1844).  
*Caryopteris Mastacanthus* Schauer in De Candolle, Prodr. 11: 625 (1847).  
*Caryopteris ovata* Miquel in Jour. Bot. Néerl. 1: 144 (1861).  
*Caryopteris tangutica* Maximowicz in Bull. Acad. Sci. St. Pétersb. 27: 525 (in Mém. Biol. 11: 301. 1881) (1882).—P'ei in Mem. Sci. Soc. China, 1, 3: 172 (Verbenac. China) (1932).  
*Caryopteris sinensis* Dippel, Handb. Laubh. 1: 59, fig. 24 (1889).  
**C. incana** var. *candida* [Hort.] ex Bailey, Hort. Second. 145 (1941), nom. subnud.  
**C. incana** var. *superba* [Hort.] ex Bailey, l. c. (1941), nom. *Caryopteris Mastacanthus superbus* [Cat. Dreer].  
**C. incana** var. *nana* [Cat. Wm. Borsch] ex Bailey, l. c. (1941), nom. subnud.  
**C. clandonensis** (*C. incana* × *mongholica*) A. Simmonds in Gard. Chron. ser. 3, 94: 226, fig. 108 (1933).—A. P. Johnson in Jour. Hort. Soc. Lond. 67: 366, fig. 120 (1942).  
*Caryopteris Mastacanthus* var. *clandonensis* Anon. in Gard. Chron. ser. 3, 110: 110, fig. 60 (p. 117) (1941).  
**C. mongholica** Bunge in Uchen. Zapisk. Kazan. Univ. 1835, 4: 179 (Pl. Monghol.-Chin. Dec. I. 28) (1835).—Carrière in Rev. Hort. 1872: 451, t. (1872) "*mongolica*."—P'ei in Mem. Sci. Soc. China, 1, 3: 165, t. 30 (Verbenac. China) (1932).  
**C. glutinosa** Rehder in Sargent, Pl. Wilson. 3: 378 (1916).—P'ei in op. cit. 166, t. 31 (1932).

Fam. **LABIATAE**

- LABIATAE** Jussieu, Gen. Pl. 110 (1789).—Bentham in De Candolle, Prodr. 12: 27 (1848).—Briquet in Nat. Pflanzenfam. IV. 3a: 183 [1895].—NOM. CONSERV. cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936); nom. altern.  
*Verticillatae* Scopoli, Fl. Carniol. 446 (1760. pref. June).—Linnaeus, Praelect. Ord. Nat. (ed. Giseke) 495 (1792).  
*Gymnospermae* J. G. Gmelin, Fl. Sibir. 3: 226 (1768).  
*Labiaceae* Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 473 (1770), nom. subnud. illeg. non de nom. generico derivatum.  
*Nepetaceae* Horaninov, Prim. Lin. Syst. Nat. 76 (1834), nom. altern. legit.  
*Lamiaceae* Lindley, Nat. Syst. Bot. ed. 2, 275 (1836), nom. altern.; Veg. Kingd. 659 (1846).—Small, Fl. Southeast. U. S. 1016 (1903).  
*Verbenaceae* a. *Nepetaceae* Horaninov, Tetractys Nat. 28 (1843), nom. subnud.  
*Verbenaceae* A. *Labiatae* s. *Nepetaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 127 (1847).  
*Salviaceae* Drude in A. Schenk, Handb. Bot. 3, 2: 374 (1887).

*Menthaceae* Safford in Contrib. U. S. Nat. Herb. 9: 324 (Usef. Pl. Guam) (1905).

- TEUCRIUM** Linnaeus, Sp. Pl. 562 (1753); Gen. Pl. ed. 5, 247, no. 625 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1221 (1876).  
*Scorodonia* Hill, Brit. Herb. 371 (1756).—Adanson, Fam. Pl. 2: 188 (1763).—Moench, Meth. Pl. 384 (1794).  
*Scordium* Miller, Gard. Dict. abridg. ed. 4, 2 (1754).—Gilbert, Fl. Lithuan. 1: 95 (1781).  
*Chamaedrys* Moench, Meth. Pl. 383 (1794).—S. F. Gray, Nat. Arr. Brit. Pl. 2: 369 (1821).  
*Polium* Moench, Meth. Pl. 385 (1794).  
*Poliodendron* Webb & Berthelot, Hist. Nat. Canar. III. 2. Phytogr. Canar. 3: 106, t. 173 [1837].  
*Melosmon* Rafinesque, Fl. Tellur. 3: 85 [1838].—Small, Fl. Southeast. U. S. 1019 (1903).  
*Monopsis* Rafinesque, l. c. [1838].  
*Trixago* Rafinesque, l. c. [1838], non Moench (1794), nec Steven (1823).  
*Scorbion* Rafinesque, l. c. [1838].  
*Monochilon* Dulac, Fl. Haut.-Pyrén. 405 (1867).  
*Botrys* Fourreau in Ann. Soc. Linn. Lyon, n. sér. 17: 138 (1869).  
*Teucrium* St.-Lager in Ann. Soc. Bot. Lyon, 7: 136 (1880).  
**LECTOTYPUS:** *T. fruticans* L.  
**T. montanum** Linnaeus, Sp. Pl. 562 (1753).—Briquet, Lab. Alp. Marit. 1: 145 (1891).  
*Teucrium supinum* Linnaeus, Sp. Pl. 566 (1753).  
*Polium montanum* Miller, Gard. Dict. ed. 8, P. no. 1 (1768).  
*Teucrium montanum* γ. *supinum* Tenore, Syll. Fl. Napol. 227 (1831).  
*Chamaedrys montana* Rafinesque, Fl. Tellur. 3: 85 [1837].  
**T. Marum** Linnaeus, Sp. Pl. 561 (1753).—Rouy, Fl. France, 11: 240 (1909).  
*Teucrium maritimum* Lamarck, Fl. Franç. 2: 414 (1778).  
*Chamaedrys Marum* Moench, Meth. Pl. 384 (1794).  
*Teucrium odorum* Salisbury, Prodr. Stirp. Chap. Allert. 76 (1796).  
**T. Chamaedrys** Linnaeus, Sp. Pl. 565 (1753).—Briquet, Lab. Alp. Marit. 1: 132 (1891).  
*Teucrium officinale* Lamarck, Fl. Franç. 2: 711 (1778).  
*Chamaedrys officinalis* Moench, Meth. Pl. 383 (1794).  
*Teucrium veronicaefolium* Salisbury, Prodr. Stirp. Chap. Allert. 76 (1796).  
**T. Polium** Linnaeus, Sp. Pl. 562 (1753).—Briquet, Lab. Alp. Marit. 1: 141 (1891).  
*Polium album* Miller, Gard. Dict. ed. 8, P. no. 4 (1768).  
*Teucrium Pseudo-Hyssopus* Schreber, Pl. Vertic. Unilab. (xxxxv) (1773).  
*Teucrium tomentosum* Lamarck, Fl. Franç. 2: 407 (1778).  
*Teucrium capitatum* Allioni, Fl. Pedem. 1: 44 (1785).  
*?Chamaedrys capitata* Rafinesque, Fl. Tellur. 3: 85 [1838].  
*Chamaedrys Polium* Rafinesque, l. c. [1838].  
*Teucrium Polium* γ. *vulgare* Bentham in De Candolle, Prodr. 12: 592 (1848).  
*Teucrium Polium* subsp. *Polium* Briquet, Lab. Alp. Marit. 1: 143 (1891).  
*Teucrium commune* Rouy, Fl. France, 11: 242 (1909).  
*Teucrium commune* subsp. *T. Polium* Rouy, op. cit. 244 (1909).  
**T. flavum** Linnaeus, Sp. Pl. 565 (1753).—Briquet, Lab. Alp. Marit. 1: 129 (1891).—Rouy, Fl. France, 11: 240 (1909).

*Chamaedrys flava* Moench, Meth. Pl. 383 (1794).  
*Chamaedrys virescens* Jordan & Fourreau, Brev. Pl. Nov. 1: 47 (1866).  
*Chamaedrys pulverulenta* Jordan & Fourreau, l. c. (1866).  
*Chamaedrys ovalifolia* Jordan & Fourreau, op. cit. 48 (1866).

**ROSMARINUS** Linnaeus, Sp. Pl. 23 (1753); Gen. Pl. ed. 5, 14, no. 35 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1197 (1876).—Turrill in Kew Bull. 1920: 105, fig. (1920).

TYPUS: *R. officinalis* L.

**R. officinalis** Linnaeus, Sp. Pl. 23 (1753).—Briquet, Lab. Alp. Marit. 1: 179 (1891).

*Salvia Rosmarinus* Schleiden, Handb. Med.-Pharm. Bot. 1: 265 (1852).

*Rosmarinus officinalis vulgaris* Alefeld, Landwirth. Fl. 120 (1866).

*Rosmarinus officinalis* var. *genuina* Turrill in Kew Bull. 1920: 105 (1920).

**LAVANDULA** Linnaeus, Sp. Pl. 572 (1753); Gen. Pl. ed. 5, 249, no. 630 (1754).—Miller, Gard. Dict. ed. 8, (1768) "*Lavendula*."—De Gingins-Lassaraz, Hist. Nat. Lavandes, 190 pp., 11 t. (1826).—Bentham & Hooker f., Gen. Pl. 2: 1179 (1876).

*Stoechas* Miller, Gard. Dict. abridg. ed. 4, 2 (1754).

*Fabricia* Adanson, Fam. Pl. 2: 188 (1763).

*Fabritia* Medicus in Staatsw. Vorles. Churpf. Phys.-oekon. Ges. 1: 230 (1791).

*Styphonia* Medicus, l. c. (1791); Philos. Bot. 2: 70 (1791).

*Chaetostachys* Bentham in Wallich, Pl. As. Rar. 2: 19 (1831).

LECTOTYPUS: *L. Spica* L. = *L. officinalis* Chaix.

**L. officinalis** Chaix in Villars, Hist. Pl. Dauphiné, 1: 355 (1786).—Rouy, Fl. France, 11: 254 (1909).

*Lavandula Spica* Linnaeus, Sp. Pl. 572 (1753) exclud.  $\beta$ .—Briquet, Lab. Alp. Marit. 3: 464 (1895).—Nom. AMBIGUUM PROPOS.; cf. M. L. Green in Kew Bull. 1932: 295 (1932); 1935: 75 (1935).

*Lavandula angustifolia* Miller, Gard. Dict., ed. 8, L. no. 2 (1768) "*Lavendula a.*"—Ehrhart, Beitr. Naturk. 7: 147 (1792).

*Lavandula vulgaris* var. *a.* Lamarck Fl. Franç. 2: 403 (1778).

*Lavandula Spica a. angustifolia* Linnaeus f., De Lavandula (Diss.; resp. J. D. Lundmark) [12?] (1780); in Amoen. Acad. 10 (Diss. Bot.): 58 (1790).

*Lavandula fragrans* Salisbury, Prodr. Stirp. Chap. Allert. 78 (1796).

*Lavandula vera* De Candolle in Lamarck & De Candolle, Fl. Franç. 5: 398 (1815).

*Lavandula spicata* Eaton, Man. Bot. N. Am. 65 (1817).

**L. officinalis** f. *alba* (Gingins-Lass.) Rehder in Jour. Arnold Arb. 47: 173 (1946).

*Lavandula vera*  $\beta$ . *alba* De Gingins-Lassaraz, Hist. Nat. Lavandes, 147 (1826).

*Lavandula Spica*  $\beta$ . *alba* Sweet, Hort. Brit. 316 (1827), nom. subnud.; non Weston (1770).

*Lavandula officinalis* f. *albiflora* Rehder in Jour. Arnold Arb. 20: 428 (1939).

**L. latifolia** Villars, Hist. Pl. Dauphiné, 2: 363 (1787).—Rouy, Fl. France, 11: 255 (1909).

*Lavandula Spica*  $\beta$ . Linnaeus, Sp. Pl. 572 (1753).

*Lavandula Spica* sensu Gouan, Hort. Reg. Monspel. 276 (1762).—De Candolle in Lamarck & De Candolle, Fl.

Franç. 5 (Suppl.): 397 (1815).—Non Linnaeus (1753).

*Lavandula vulgaris*  $\beta$ . Lamarck, Fl. Franç. 2: 403 (1778).

*Lavandula Spica*  $\beta$ . *latifolia* Linnaeus f., De Lavandula (Diss.; resp. J. D. Lundmark) 12? (1780); in Amoen. Acad. 10 (Diss. Bot.); 58 (1790).

*Lavandula Spica* var. *a. vulgaris* De Gingins-Lassaraz, Hist. Nat. Lavandes, 154 (1826).

*Lavandula latifolia* var. *a. vulgaris* Briquet, Lab. Alp. Marit. 3: 472 (1895).

**PHLOMIS** Linnaeus, Sp. Pl. 584 (1753); Gen. Pl. ed. 5, 255, no. 642 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1214 (1876).

*Phlomoides* Moench, Meth. Pl. 403 (1794).

*Orlovia* Güldenstädt, "N. Comment. Petrop." ex Georgi. Georg. Nat. Besch. Russ. Reich. III. 5: 1089 (1800), pro syn.

*Phlomidopsis* Link, Handb. Erkenn. Gew. 1: 479 (1829).

*Anemitis*, *Beloakon*, *Trambis* (87), *Hersilia* (88), *Blephila* (95) Rafinesque, Fl. Tellur. 3: 87–95 [1838].

*Phlomis* Reichenbach ex Th. F. Nees, Gen. Pl. Fl. Germ. Gamop. 2: no. 43 (1843).

*Anthocoma* Zollinger & Moritz in Natuur- en Geneesk. Arch. Neerl. Ind. 2: 569 (1845).

LECTOTYPUS: *P. fruticosa* L.

**P. fruticosa** Linnaeus, Sp. Pl. 584 (1753).—Boissier, Fl. Or. 4: 784 (1879).

*Phlomis latifolia* Miller, Gard. Dict. ed. 8, P. no. 3 (1768).

*Phlomis collina* Salisbury, Prodr. Stirp. Chap. Allert. 84 (1796).

*Beloakon luteum* Rafinesque, Fl. Tellur. 3: 87 [1837].

**SALVIA** Linnaeus, Sp. Pl. 23 (1753); Gen. Pl. ed. 5, 15, no. 36 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1194 (1876).

*Horminum* Linnaeus, Sp. Pl. 596 (1753), p. p.?—Miller, Gard. Dict. ed. 8 (1768).

*Stiefia* Medicus in Staatsw. Vorles. Churpf. Phys. Oecon. Ges. 1: 200 (1791).

*Melinum* Medicus, l. c. (1791).

*Covola* Medicus, op. cit. 227 (1791).

*Schraderia* Moench, Philos. Bot. 2: 40 (1791).

*Jungia* Heister ex Moench, Meth. Pl. 376 (1794), non Linnaeus f. (1781), nec Gaertner (1788).

*Sclarea* Moench, Meth. Pl. 374 (1794).

*Leonia* La Llave & Lexarza, Nov. Veg. Descr. 2: 6 (1825).

*Stenarrhena* D. Don, Prodr. Fl. Nepal. 111 (1825).

*Hemisphace* (Benth.) Opiz, Seznam Rostl. Květ. Chéské, 50 (1852).

*Gallitrichum* Jordan & Fourreau in Ann. Soc. Linn. Lyon, n. sér., 17: 134 (1869).

*Polakia* Stapf in Denkschr. Akad. Wiss. Wien, 50: 43 (1885).

LECTOTYPUS: *S. officinalis* L.

**S. officinalis** Linnaeus, Sp. Pl. 23 (1753).—Briquet, Lab. Alp. Marit. 3: 493 (1895).—Hegi, Ill. Fl. Mittel-Eur. 5,4: 2480 [1927].

*Salvia minor* W. F. von Gleichen, Auserl. Mikrosk. Entdeck. Pflanz. 28 (1777).

*Salvia chromatica* Hoffmannsegg, Verz. Pflanzenkult. 110, 194 (1824).

*Salvia papillosa* Hoffmannsegg, Verz. Pflanzenkult. Nachtr. 3: 14, 58 (1826).

*Salvia grandiflora* Tenore, Fl. Nap. Prodr. app. 5: 3 (1826), nom.; non Etlinger (1777), nec Hornemann (1813).

**S. officinalis** f. *albiflora* (Alef.) Hegi, Ill. Fl. Mittel-Eur. 5,4: 2483 [1927].

**Salvia officinalis** f. *albiflora* (continued)

*Salvia officinalis albiflora* Alefeld, Landw. Fl. 118 (1866).

*Salvia officinalis* var. *alba* Bean, Trees Shrubs Brit. Isl. 2: 493 (1914).

**S. officinalis** f. *rubriflora* (Alef.) Hegi, Ill. Fl. Mittel-Eur. 5,4: 2483 [1927].

*Salvia officinalis rubriflora* Alefeld, l. c. (1866).

**S. officinalis** f. *variegata* [Sweet] Schelle in Beissner et al., Handb. Laubh.-Ben. 428 (1903), nom.

*Salvia officinalis* β. *variegata* Sweet, Hort. Brit. 311 (1826), nom.—Bean, Trees Shrubs Brit. Isl. 2: 493 (1914) "var."

*Salvia officinalis sturnina* Alefeld, Landwirth. Fl. 118 (1866).—Hegi, Ill. Fl. Mittel-Eur. 5,4: 2483 [1927] "f."

*Salvia officinalis icterina* Alefeld, l. c. (1866).—Hegi, l. c. [1927] "f."

**S. Greggii** Gray in Proc. Am. Acad. Arts Sci. 8: 369 (1873); Syn. Fl. N. Am. 2,1: 368 (1878).

*Salvia microphylla* sensu Torrey in Emory, Rep. U. S. Bound. Surv. 2,1: 131 (Bot. Bound.) (1859), non Humboldt, Bonpland, Kunth (1817).

**PEROVSKIA** Karelin in Bull. Soc. Nat. Moscou, [14]: 15, t. 1 (1841).—Bentham in De Candolle, Prodr. 12: 260 (1848) "*Perowskia*."—Bentham & Hooker f., Gen. Pl. 2: 1193 (1876) "*Perowskia*."

TYPE: *P. abrotanoides* Karel.

**P. atriplicifolia** Bentham in De Candolle, Prodr. 12: 261 (1848) "*Perowskia*."—Skan in Bot. Mag. 188: t. 8441 (1912).**P. scrophulariaefolia** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 7: 433 (Beitr. Kennntn. Fl. Russl. 257. 1851) (1854) "*Perowskia*."**P. abrotanoides** Karelin in Bull. Soc. Nat. Moscou [14]: 15, t. 1 (1841).—Hooker f., Fl. Brit. Ind. 4: 652 (1885). "*Perowskia*."—H. M. Fox in Nat. Hort. Mag. 21: 38, fig. (1942).**SATUREJA** Linnaeus, Sp. Pl. 557 (1753); Gen. Pl. ed. 5, 247, no. 626 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1187 (1876).—Briquet, Lab. Alp. Marit. 2: 393 (1893).

*Clinopodium* Linnaeus, Sp. Pl. 587 (1753).

*Calamintha* Lamarck, Fl. Franç. 2: 393 (1778).—Gray, Syn. Fl. N. Am. 2,1: 359 (1878).

*Sabbatia* Moench, Meth. Pl. 386 (1794).

*Acinos* Moench, op. cit. 497 (1794).

*Gardoquia* Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 86, t. 17 (1794).

*Rizoa* Cavanilles in Anal. Cienc. Nat. Madrid, 3: 133, t. 29 (1800).

*Xenopoma* Willdenow in Mag. Ges. Naturf. Fr. Berlin, 5: 399 (1812).

*Zygis* Desvaux ex W. Hamilton, Prodr. Pl. Ind. Occ. 46 (1825).

*Piperella* Presl, Fl. Sicula, xxxvii (1826), nom. subnud.

*Micromeria* Bentham in Bot. Reg. 16: t. 1282, p. [4] [1829].—Gray, Syn. Fl. N. Am. 2,1: 359 (1878).

*Cuspidocarpus* Spenner in Th. F. Nees et al., Gen. Pl. Fl. Germ. Gamopet. 2: no. 18 (1843).

*Micronema* Schott in Oester. Bot. Wochenbl. 7: 95 (1857).

*Tendana* Reichenbach f. in Oester. Bot. Wochenbl. 7: 160 (1857).

LECTOTYPUS: *S. hortensis* L.

**S. montana** Linnaeus, Sp. Pl. 568 (1753).—Rouy, Fl. France, 11: 343 (1909).—Schneider, Ill. Handb. Laubh. 2: 603, fig. 390c-d (1911).

*Calamintha montana* Lamarck, Fl. Franç. 2: 396 (1778).

*Satureja hyssopifolia* Bertoloni in Ann. di Stor. Nat. 3: 406 (1829).

*Micromeria montana* Reichenbach, Fl. Germ. Excurs. 311 [1831].

*Satureja montana* a. *communis* Visiani, Fl. Dalmat. 2: 194 (1847).

**S. caroliniana** (Michx.) Briquet in Nat. Pflanzenfam. IV. 3a: 302 [1896].

*Thymus grandiflorus* Sims in Bot. Mag. 25: t. 997 (1807) exclud. syn. Walter; non Scopoli (1772).

*Thymus carolinianus* Michaux, Fl. Bor.-Am. 2: 9 (1803), exclud. syn.

*Calamintha caroliniana* Nuttall, Gen. N. Am. Pl. 2: 39 (1818).—Gray, Syn. Fl. N. Am. 2,1: 360 (1878).

*Melissa caroliniana* Benth., Lab. Gen. Sp. 366 (1834).

*Clinopodium carolinianum* Heller, Cat. N. Am. Pl. 7 (1898).

*Clinopodium georgianum* Harper in Bull. Torrey Bot. Club, 33: 243 (1906).

**CONRADINA** Gray in Proc. Am. Acad. Arts. Sci. 8: 244 (1870); Syn. Fl. N. Am. 2,1: 361 (1878).—Bentham & Hooker f., Gen. Pl. 2: 1191 (1876).

TYPE: *Calamintha canescens* Torr. & Gray ex Benth., non Presl (1826) = *Conradina canescens* (Benth.) Gray.

**C. verticillata** Jennison in Jour. Elisha Mitchell Sci. Soc. 48: 268 (1933).

*Conradina montana* Small, Man. Southeast. Fl. 1167 (1933).

**HYSSOPUS** Linnaeus, Sp. Pl. 569 (1753); Gen. Pl. ed. 5, 248, no. 628 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1187 (1876).

TYPE: *H. officinalis* L.

**H. officinalis** Linnaeus, Sp. Pl. 569 (1753).—Briquet, Lab. Alp. Marit. 2: 383 (1893).—Rouy, Fl. France, 11: 344 (1909).

*Hyssopus officinalis* β. *vulgaris* Bentham, Lab. Gen. Sp. 357 (1834).

*Hyssopus recticaulis* Jordan & Fourreau, Brev. Pl. Nov. 2: 90 (1868).

*Hyssopus polycladus* Jordan & Fourreau, l. c. (1868).

*Hyssopus officinalis* subsp. n. *officinalis* Briquet, Lab. Alp. Marit. 2: 384 (1893).

**H. officinalis** f. *albus* [West.] Schneider, Ill. Handb. Laubh. 2: 604 (1911).

*Hyssopus officinalis* 2. *albus* Weston, Bot. Univ. 3: 407 (1772).—Alefeld, Landwirth. Fl. 122 (1866) "*H. o. a.*"

**H. officinalis** f. *ruber* [West.] Hegi, Ill. Fl. Mittel-Eur. 5,4: 2359 [1927].

*Hyssopus officinalis* 3. *rubra* Weston, Bot. Univ. 3: 408 (1772).—Alefeld, Landwirth. Fl. 122 (1866) "*H. o. ruber*."

*Hyssopus officinalis* f. *roseus* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 429 (1903), nom.—Schneider, Ill. Handb. Laubh. 2: 605 (1911).

**THYMUS** Linnaeus, Sp. Pl. 590 (1753); Gen. Pl. ed. 5, 257, no. 646 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1186 (1876).

LECTOTYPUS: *T. vulgaris* L.



- T. vulgaris** Linnaeus, Sp. Pl. 590 (1753). — Rouy, Fl. France, **11**: 348 (1909).  
*Thymus collinus* Salisbury, Prodr. Stirp. Chap. Allert. 86 (1796).
- T. Serpyllum** Linnaeus, Sp. Pl. 590 (1753). — Briquet, Lab. Alp. Marit. **3**: 547 (1895). — Rouy, Fl. France, **11**: 350 (1909) "*Serpillum*."  
*Thymus campestris* Salisbury, Prodr. Stirp. Chap. Allert. 85 (1796).  
*Thymus Serpyllum* a. *vulgaris* Benth. Lab. Gen. Sp. 343 (1834), sensu lato.  
*Thymus Serpyllum* subsp. *Serpyllum* Briquet, Lab. Alp. Marit. **3**: 558 (1895) "subsp. *ρ*."
- T. Serpyllum** var. *lanuginosus* [Mill.] G. Don, Gen. Hist. Dichlam. Pl. **4**: 768 (1838 "β." — Briquet, Lab. Alp. Marit. **3**: 558 (1895) "subsp. *ρ*."  
*Thymus lanuginosus* Miller, Gard. Dict. ed. 8, T. no. 8 (1768). — Wilmott in Jour. Bot. **61**: 136 (1923).  
*Thymus pannonicus* Allioni, Fl. Pedem. **1**: 20 (1785), p. p.  
*Thymus hirsutus* Bieberstein, Fl. Taur.-Caucas. **3**: 406 (1819).  
*Thymus Kosteleckyanus* Opiz, Naturalientausch, 104 (1823).  
*Thymus austriacus* Bernh. ex Reichenbach, Fl. Germ. Excurs. **1**: 312 [1831], pro syn.  
*Thymus piligerus* Opiz, ex Reichenbach, l. c. [1831].  
*Thymus Hackelianus* Opiz, Seznam Rostl. Květ. Česk. 97 (1852), nom.
- T. Serpyllum** subsp. *britannicus* (Ronnig.) Hylander in Uppsala Univ. Årsskr. **1945**, **7**: 276 (Nomenkl. Syst. Stud.) (1945).  
*Thymus britannicus* Ronniger in Repert. Sp. Nov. Reg. Veg. **20**: 330 (1924).  
*Thymus lanuginosus* hort. ex Hylander, l. c. (1945), non Miller (1768).
- T. pulegioides** Linnaeus, Sp. Pl. 592 (1753), p. p. max. — Ronniger in Repert. Sp. Nov. Reg. Veg. **20**: 325 (1924). — Hylander in op. cit. 274 (1945).  
*Thymus glaber* Miller, Gard. Dict. ed. 8, T. no. 6 (1768) "*glabrus*," corr. in p. ult. "*glaber*."  
*Thymus ovatus* Miller, l. c., T. no. 7 (1768).  
*Thymus subcitratus* Schreber ex Schweigger & Körte, Fl. Erlang. **2**: 17 (1811).  
*Thymus Chamaedrys* Fries, Nov. Fl. Suec. **2**: 35 (1814). — G. Beck, Fl. Nieder-Öster. 995 (1893).  
*Thymus Serpyllum* a. *Chamaedrys* Koch, Syn. Fl. Germ. Helv. ed. 2, **2**: 641 (1844). — Hegi, Ill. Fl. Mittel-Eur. **5**, **4**: 2323, fig. 3217a [1927] "subsp."  
*Thymus Serpyllum* var. *γ. subcitratus* Briquet in Bull. Soc. Bot. Genève, **7**: 126 (Le Mont Vuache, 103) (1894); Lab. Alp. Marit. **3**: 549 (1895).  
*Thymus Serpyllum* Race V. T. *Chamaedrys* Rouy, Fl. France, **11**: 353 (1909) "*Serpillum*." — Vollmann, Fl. Bayern, 635 (1914) "subsp. *Th. Ch.*"  
*Thymus Serpyllum* var. *glaber* (Mill.) Hegi, Ill. Fl. Mittel-Eur. **5**, **4**: 2324 [1927].
- ELSHOLTZIA** Willdenow in Mag. für Bot. (Römer & Usteri) **4**, **11**: 3 (1790); Sp. Pl. **3**: 59 (1800). — Moench, Meth. Pl. 389 (1794) "*Elsholzia*." — Reichenbach, Consp. Reg. Veg. 116 (1828) "*Elsbolzia*." — Roxburgh, Fl. Ind. ed. 2, **3**: 4 (1832) "*Elshotzia*." — Koch, Syn. Fl. Germ. Helv. 549 (1837) "*Elsholtia*." — Brongniart, Enum. Genr. Pl. 68 (1843) "*Elschotzia*." — Garcke, Fl. N. M. Deutschl. ed. 6, 307 (1863); ed. 17, 465 (1895) "*Elssholzia*." — Benth. & Hooker f., **2**: 1181 (1876).  
*Cyclostegia* Benth. in Bot. Reg. **15**: t. 1282, p. [3] (1829).  
*Aphanochilus* Benth. l. c. (1829).  
 Typus: *E. cristata* Willd.
- E. Stauntoni** Benth. Lab. Gen. Sp. 161 (1833). — Skan in Bot. Mag. **138**: t. 8460 (1912).
- E. fruticosa** (D. Don) Rehder in Sargent, Pl. Wilson. **3**: 381 (1916), excl. syn. Loddiges; in Jour. Arnold Arb. **16**: 312 (1935).  
*Perilla fruticosa* D. Don, Prodr. Fl. Nepal. 115 (1825).  
*Mentha fruticosa* Roxburgh mss. ex D. Don, l. c. (1825), pro syn.  
*Aphanochilus polystachyus* Benth. ex Wallich, Num. List, no. 1554 [1829], nom.; in Bot. Reg. **15**: t. 1282, p. [3] (1829), nom.; in Wallich, Pl. As. Rar. **1**: 27, t. 33 (1830).  
*Elsholtzia polystachya* Benth. Lab. Gen. Sp. 161 (1833). — Dunn in Notes Bot. Gard. Edinb. **6**: 150 (1915).  
*Elsholtzia tristis* Léveillé in Repert. Sp. Nov. Reg. Veg. **8**: 424 (1910).  
*Elsholtzia Souliei* Léveillé in op. cit. **9**: 248 (1911).  
*Elsholtzia Dielsii* Léveillé in op. cit. **9**: 441 (1911).
- PLECTRANTHUS** L'Héritier, Stirp. Nov. 84, t. 41, 42 [1788]. — Benth. & Hooker f., Gen. Pl. **2**: 1175 (1876).  
*Germanea* Lamarck, Encycl. Méth. Bot. **2**: 690 [1788].  
*Isodon* Schrader ex Benth. Lab. Gen. Sp. 40 (1832), pro syn. — Kudo in Mem. Fac. Sci. Agric. Taihoku Univ. **2**: 119 (1929).  
*Rabdosia* Hasskarl in Flora, **25**, **2**, Beibl. **2**: 25 (1842).  
*Amethystanthus* Nakai in Bot. Mag. Tokyo, **48**: 785 (1934).  
 LECTOTYPUS: *P. fruticosus* L'Hérit.
- P. parvifolius** (Batal.) P'ei in Mem. Sci. Soc. China, **1**, **3**: 181 (1932). — Handel-Mazzetti, Symb. Sin. **7**: 937 (1936).  
*Caryopteris parvifolia* Batalin in Act. Hort. Petrop. **13**: 98 (1893).  
*Plectranthus discolor* Dunn in Notes Bot. Gard. Edinb. **8**: 155 (1913).  
*Isodon discolor* Kudo in Mem. Fac. Sci. Agric. Taihoku Univ. **2**, **2** (Bot. **1**): 119 (Lab. Sino-jap. Prodr.) (1929).

## Fam. SOLANACEAE

SOLANACEAE Persoon, Syn. Pl. **1**: 214 (1805). — Lindley, Nat. Syst. Bot. ed. 2, 293 (1836). — Wettstein in Nat. Pflanzenfam. IV. **3b**: 4 [1891].  
*Solaneae* Jussieu, Gen. Pl. 124 (1789).  
*Solanaceae* sect. *Cestrinae* Schlechtendal in Linnaea, **7**: 52 (1832).  
*Cestrineae* Schlechtendal in Linnaea, **8**: 250 (1833).  
*Cestraceae* Lindley, Nat. Syst. Bot. ed. 2, 296 (1836).

**SOLANUM** Linnaeus, Sp. Pl. 184 (1753); Gen. Pl. ed. 5, 85, no. 224 (1754). — Benth. & Hooker f., Gen. Pl. **2**: 888 (1876).  
*Aquartia* Jacquin, Enum. Pl. Carib. **1**: 12 (1760).  
*Lycopersicum* Hill, Veg. Syst. **9**: 32 (1765).  
*Battata* Hill, Hort. Kew. 148 (1768).  
*Amatula* Medicus, Bot. Beobacht. 1782, 38 (1783).  
*Pseudocapsicum* Medicus, Philos. Bot. **1**: 122 (1789).  
*Solanum* Necker, Elem. Bot. 260 (1790).  
*Dulcamara* Moench, Meth. Pl. 514 (1794).  
*Nycteria* Ventenat, Jard. Malmaison, **1**: t. 85 (1803).  
*Ceranthra* Rafinesque in Am. Monthly Mag. **2**: 176

**Solanum** (continued)

- (1818), nom. subnud.; non Beauvois (1805), nec Elliott (1824).  
*Androcera* Nuttall, Gen. N. Am. Pl. 1: 129 (1818).  
*Diamonon* Rafinesque, Fl. Tellur. 2: 76 [1837].  
*Chiocarpus* Miers in Ann. Mag. Nat. Hist. ser. 2, 4: 141 (1849).  
*Normania* Lowe, Man. Fl. Madeira, 2: 70 (1868).  
 LECTOTYPUS: *S. nigrum* L.
- S. Dulcamara** Linnaeus, Sp. Pl. 185 (1753). — Rouy, Fl. France, 10: 362 (1908). — Hegi, Ill. Fl. Mittel-Eur. 5,4: 2589, fig. 3412-4 [1927].  
*Solanum scandens* Lamarck, Fl. Franç. 2: 257 (1778).  
*Dulcamara lignosa* Gilibert, Fl. Lithuan. 1: 37 (1781).  
*Dulcamara flexuosa* Moench, Meth. Pl. 514 (1794).  
*Solanum rudemale* Salisbury, Prodr. Stirp. Chap. Allert. 133 (1796).  
 ?*Solanum assimile* Frivaldszky in Flora, 19,2: 439 (1836).
- S. Dulcamara f. variegatum** (West.), grad. nov.  
*Solanum Dulcamara* 3. *variegata* Weston, Bot. Univ. 1: 279 (1770). — Dunal in De Candolle, Prodr. 13,1: 79 (1852) "ξ. *variegatum*."
- S. Dulcamara f. album** (West.), grad. nov.  
*Solanum Dulcamara* 2. *alba* Weston, l. c. (1770).  
*Solanum Dulcamara* f. *albiflora* Farwell in Papers Michigan Acad. Sci. 2: 39 (1923).
- S. Dulcamara var. villosissimum** Desvaux, Obs. Pl. Angers, 112 (1818).  
*Solanum littorale* Raab in Flora, 2: 414 (1819).  
*Solanum Dulcamara* β. *pubescens* Gaudin, Fl. Helvet. 2: 129 (1828). — Desportes, Fl. Sarthe, 190 (1838) "B." — Sonder, Fl. Hamburg. 128 (1851) "β."  
*Solanum Dulcamara* β. *tomentosum* Koch, Syn. Fl. Germ. Helv. 508 (1837).  
*Solanum Dulcamara* γ. *hirsutum* Dunal in De Candolle, Prodr. 13,1: 79 (1852).  
*Solanum Dulcamara* var. *litorale* Brand in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 3: 2009 (1907). — Hegi, Ill. Fl. Mittel-Eur. 5,4: 2590 (1927) "f."
- S. Dulcamara var. indivisum** Boissier, Fl. Or. 4: 285 (1879) "β."  
*Solanum persicum* Willdenow ex Roemer & Schultes, Syst. Veg. 4: 662 (1819). — Dunal in De Candolle, Prodr. 13,1: 79 (1852).  
*Solanum Dulcamara* var. *persicum* Kuntze in Act. Hort. Petrop. 10: 222 (1887). — Hegi, Ill. Fl. Mittel-Eur. 5,4: 2590 (1927) "f."
- LYCIUM** Linnaeus, Sp. Pl. 191 (1753); Gen. Pl. ed. 5, 88, no. 232 (1754). — Bentham & Hooker f., Gen. Pl. 2: 900 (1876).  
*Jasminoides* Medicus, Philos. Bot. 1: 134 (1789).  
*Panzeria* Gmelin in Linnaeus, Syst. Nat. ed. 13, (ed. Gmelin) 2: 247 (1791).  
*Oplukion* Rafinesque, Sylva Tellur. 53 (1838).  
*Teremis* Rafinesque, l. c. (1838).  
 LECTOTYPUS: *L. afrum* L.
- L. chilense** Miller, Gard. Dict. ed. 8, L. no. 5 (1768). — Schneider in Sargent, Pl. Wilson. 3: 385 (1916). — Nakai, Fl. Sylv. Kor. 14: 61, t. 15 (1923).  
*Lycium barbarum* sensu Thunberg, Fl. Jap. 94 (1785). — Loureiro, Fl. Cochinch. 133 (1790). — Non Linnaeus (1753).  
*Lycium barbarum* β. *chinense* Aiton, Hort. Kew. 1: 257 (1789).

*Lycium Trewianum* Roemer & Schultes, Syst. Veg. 4: 693 (1820).

*Lycium sinense* Grenier & Godron, Fl. France, 2: 542 (1850).

*Lycium chinense* a. *normale* Terraciano in Malpighia, 4: 514 (1891).

*Lycium chinense* var. *typicum* Schneider, Ill. Handb. Laubh. 2: 611 (1911).

**L. chinense** var. *ovatum* [Veillard] Schneider, l. c. (1911); in Sargent, Pl. Wilson. 3: 386 (1916).

?*Jasminoides rhombifolia* Moench, Meth. Pl. 470 (1794).

*Lycium ovatum* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 117 [1801].

*Lycium barbarum* sensu Watson, Dendr. Brit. 1: t. 9 (1825), non Linnaeus (1753).

*Lycium megistocarpum* a. *ovatum* Dunal in De Candolle, Prodr. 13,1: 510 (1852).

*Lycium rhombifolium* Dippel in Dosch & Scriba, Excursionsfl. Grossh. Hess. ed. 3, 218 (1888); Handb. Laubh. 1: 24, fig. 10 (1889).

*Lycium chinense* a. *normale* f. *ovata* Terraciano in Malpighia, 4: 515 (1891).

*Lycium chinense* var. *rhombifolium* Bean, Trees Shrubs Brit. Isl. 2: 62 (1914).

**L. halimifolium** Miller, Gard. Dict. ed. 8, L. no. 6 (1768). — Dippel, Handb. Laubh. 1: 22, fig. 9 (1889).

*Lycium barbarum* sensu Aiton, Hort. Kew. 1: 257 (1789). — Sprengel, Syst. Veg. 4: 692 (1824). — Non Linnaeus (1753).

*Jasminoides flaccida* Moench, Meth. Pl. 470 (1794), exclud. syn.

*Lycium turbinatum* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 123, t. 32 [1801].

*Lycium vulgare* Dunal in De Candolle, Prodr. 13,1: 509 (1852).

*Lycium Dunalianum* Bubani ex Dunal, l. c. (1852), pro syn.

*Lycium flaccidum* K. Koch, Dendr. 2,1: 347 (1872).

*Lycium vulgare* a. *normale* Terraciano in Malpighia, 4: 511 (1891).

*Lycium chinense* β. *cochinchinense* (Lour.) Terraciano in op. cit. 515 (1891).

*Lycium chinense* β. *cochinchinense* var. *turbinatum* Terraciano, l. c. (1891).

**L. halimifolium** var. *lanceolatum* [Veillard] Schneider, Ill. Handb. Laubh. 2: 611 (1911).

*Lycium lanceolatum* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 123, t. 32 [1801].

*Lycium megistocarpum* β. *lanceolatum* Dunal in De Candolle, Prodr. 13,1: 511 (1852).

*Lycium chinense* β. *cochinchinense* subf. *lanceolata* Terraciano in Malpighia, 4: 515 (1891).

**L. halimifolium** var. *subglobosum* (Dun.) Schneider, Ill. Handb. Laubh. 2: 611 (1911).

*Lycium subglobosum* Dunal in De Candolle, Prodr. 13,1: 511 (1852).

*Lycium chinense* β. *cochinchinense* f. *subglobosa* Terraciano in Malpighia, 4: 515 (1891).

**L. turcomanicum** Turczaninov ex Miers in Ann. Mag. Nat. Hist., ser. 2, 14: 118 (1854). — Boissier, Fl. Or. 4: 290 (1879).

*Lycium turcomanicum* Fischer & Meyer ex Ledebour, Fl. Ross. 3: 191 [1847], pro syn.

*Lycium vulgare* γ. *ruthenicum* f. *turcomanica* Terraciano in Malpighia, 4: 513 (1891).

- L. ruthenicum** Murray in Comm. Soc. Sci. Gotting. 2(Cl. Phys.): 9, t. 2 (1780).—C. B. Clarke in Hooker f., Fl. Brit. Ind. 4: 241 (1883).  
*Lycium tataricum* Pallas, Fl. Ross. 1: 78, t. 49 (1784) exclud. fig. A.; ed. 8°, 1: 186 (1789).  
*Lycium glaucum* Miers in Ann. Mag. Nat. Hist. ser. 2, 14: 17 (1854).  
*Lycium armatum* Griffith, Notul. Pl. Asiat. 4: 95 (1854); Icon. Pl. Asiat. 4: t. 415 (1854).  
*Lycium vulgare* γ. *ruthenicum* Terraciano in Malpighia, 4: 513 (1891).
- L. barbarum** Linnaeus, Sp. Pl. 192 (1753), p. p. typ.  
*Lycium floridum* Salisbury, Prodr. Stirp. Chap. Allert. 135 (1796).  
*Lycium Shawii* Roemer & Schultes, Syst. Veg. 4: 693 (1819).  
*Lycium depressum* Stocks in Hooker's Jour. Bot. Kew. Gard. Misc. 4: 179 (1852).  
*Lycium foliosum* Stocks, l. c. (1852).  
*Lycium vulgare* β. *barbarum* Terraciano in Malpighia 4: 512 (1891).  
*Lycium vulgare* β. *barbarum* f. *afroides* Terraciano, l. c. (1891).  
*Lycium vulgare* var. *Boissieri* subvar. *foliosum* Terraciano, l. c. (1891).  
*Lycium vulgare* var. *Boissieri* subvar. *foliosum* f. *depressa* Terraciano in op. cit. 513 (1891).
- L. europaeum** Linnaeus, Sp. Pl. 192 (1753).—Boissier, Fl. Or. 4: 288 (1879).—Weitz, Lycium Eur. Exot. 57, fig. 2 (1921).  
*Lycium spinosum* Hasselquist, Iter Palaest. 76 (1757).  
*Lycium salicifolium* Miller, Gard. Dict. ed. 8, L. no. 3 (1768).  
*Lycium siculum* Ucria in Roemer, Archiv für Bot. (Roemer) 1: 68 (1796).  
*Lycium dumosum* Salisbury, Prodr. Stirp. Chap. Allert. 136 (1796).  
*Lycium obliquifolium* Stokes, Bot. Mat. Med. 1: 418 (1812).  
*Lycium indicum* Wight, Icon. Pl. Ind. Or. 4, 2: 19, t. 1403 (1848), non Retzius [1781].  
*Lycium mediterraneum* Dunal in De Candolle, Prodr. 13, 1: 523 (1852).  
*Lycium saevum* Miers in Ann. Mag. Nat. Hist. ser. 2, 14: 7 (1854).  
*Lycium persicum* Miers in op. cit. 12 (1854).  
*Lycium orientale* Miers in op. cit. 12 (1854).  
*Lycium Arabicum* Schweinfurth ex Boissier, Fl. Or. 4: 289 (1879).  
*Lycium europaeum* a. *normale* Terraciano in Malpighia, 4: 516 (1891).  
*Lycium europaeum* β. *arabicum* Terraciano in op. cit. 517 (1891).
- L. Grevilleanum** Gillies ex Miers in Ann. Mag. Nat. Hist. ser. 2, 14: 342 (1854); Ill. S. Amer. Pl. 2: 135, t. 73 [1857?].—Schneider, Ill. Handb. Laubh. 2: 612, fig. 396h-k (1911).
- L. chilense** Bertero in Mercurio Chil. 15: 693 (1829).—Colla in Mem. Accad. Sci. Torino, 38: 133, t. 44 (Pl. Rar. Chil. fasc. 4) (1835).—Reiche, Fl. Chile, 5: 313 (1910).—Schneider, op. cit. 612, fig. 396l-o (1911).  
*Lycium gelidum* Weddell, Chloris And. 2: 108 (in Castelnau, Exped. Am. Sud, vi. Bot.) (1857).  
*Lycium chilense* a. *normale* Terraciano in Malpighia, 4: 528 (1891).

- L. pallidum** Miers in Ann. Mag. Nat. Hist. ser. 2, 14: 131 (1854); Ill. S. Am. Pl. 2: 103, t. 87 [1857?].—Gray, Syn. Fl. N. Am. 2, 1: 238 (1878).—C. H. Wright in Bot. Mag. 138: t. 8440 (1912).  
*Lycium pallidum* a. *normale* Terraciano in Malpighia, 4: 519 (1891).

- CESTRUM** Linnaeus, Sp. Pl. 277 (1753); Gen. Pl. ed. 5, 88, no. 231 (1754).—Bentham & Hooker f., Gen. Pl. 2: 904 (1876).  
*Parqui* Adanson, Fam. Pl. 2: 219 (1763).—Rafinesque, Sylva Tellur. 56 (1838) "*Parquis*."  
*Meyenia* Schlechtendal in Linnaea, 8: 251 (1833), non Nees (1832).  
*Wadea* Rafinesque, Sylva Tellur. 56 (1838).  
*Lomeria* Rafinesque, l. c. (1838).  
*Habrothamnus* Endlicher, Gen. Pl. 667 [1839].  
LECTOTYPUS: *C. nocturnum* L.

- C. Parqui** L'Héritier, Stirp. Nov. 73, t. 36 [1788].—Gay, Hist. Fis. Polit. Chile Bot. 5: 95 (1849).—Schneider, Ill. Handb. Laubh. 2: 614, fig. 3971 (1911).  
*Cestrum virgatum* Ruiz & Pavon, Fl. Peruv. Chil. 2: 27 (1799).  
*Cestrum Palqui* Reiche, Fl. Chile, 5: 372 (1910).

## Fam. SCROPHULARIACEAE

- SCROPHULARIACEAE** Lindley, Nat. Syst. Bot. ed. 2, 288 (1836).—Nom. CONSERV.; cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).  
*Personatae* Scopoli, Fl. Carniol. 473 (1760), pref. June).—Ventenat, Tabl. Règ. Vég. 2: 351 (1799).  
*Scrophulariae* Jussieu, Gen. Pl. 117 (1789), p. p.  
*Rhinanthoideae* Ventenat, op. cit. 295 (1799).  
*Rhinanthae* [Jussieu in Ann. Mus. Hist. Nat. Paris, 5: 249 (1804) "*Rhinanthées*".—] Humboldt, Bonpland, Kunth, Nov. Gen. Sp. 2: 329 (fol. ed. 265) (1817).  
*Rhinanthaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 454 (1805).—Nakai, Fl. Sylv. Kor. 14: 72 (1923).  
*Antirrhineae* Persoon, Syn. Pl. 2: 154 [1806].  
*Scrophularineae* R. Brown, Prodr. Fl. Nov. Holland. 433 (1810).—Bentham & Hooker f., Gen. Pl. 2: 913 (1876).  
*Melampyraceae* [L. C. Richard, Demonstr. Bot. Anal. Fruit, 46 (1808) "*Mélampyracées*", nom.—] Hooker, Fl. Scot. 2: 213 (1821).—G. Don, Gen. Hist. Dichlam. Pl. 4: 618 (1838).  
*Scrophularinae* Br. ex Hooker, op. cit. 218 (1821).  
*Personatae* sect. *Halleriaceae* Link, Handb. Erkenn. Gew. 1: 506 (1829).  
*Personatae* 1. *Rhinanthae* et 2. *Scrophularinae* et 2c. *Caprariae* Reichenbach, Hand. Nat. Pflanzensyst. 197 (1837), exclud. 1b et 3.  
*Verbasceae* Koch, Syn. Fl. Germ. Helv. 510 (1837).  
*Veronicaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 119 (1847), p. p. typ.

- PENSTEMON** Schmidel, Icon. Pl. 2 (1762).—[Mitchell in Act. Phys. Med. Acad. Nat. Curios. 8(app.): 214 (Princip. Bot. Zool. app.: Nov. Gen. Pl. Virgin.) (1748); reprint: Diss. Brev. Princip. Bot. Zool. 36 (1769); nomencl. prae-Linn.—] Pennell in Contrib. U. S. Nat. Herb. 20: 325 (1920); Scrophulariaceae East. Temp. N. Am. 196 (in Acad. Nat. Sci. Philad. Monogr. 1.) (1935).  
*Chelone* Linnaeus, Sp. Pl. 612 (1753), p. p. quoad *Ch. Pentstemon*.

**Penstemon** (*continued*)

*Penstemon* Aiton, Hort. Kew. 3: 511 (1789).—Bentham & Hooker f., Gen. Pl. 2: 940 (1876).

*Bartramia* Salisbury, Prodr. Stirp. Chap. Allert. 99 (1796), non Linnaeus (1753).

*Pentastemon* Batsch, Tab. Aff. Reg. Veg. 123 (1802):—Wettstein in Nat. Pflanzenfam. IV. 36: 65 [1891].

*Dasanthera* Rafinesque in Am. Monthly Mag. 2: 267 (1818), nom. subnud.

*Lepidostemon* Lemaire in Ill. Hort. 9: t. 315, p. [1] (1862).

Typus: *P. laevigatus* Ait.

Sect. I. ERIANTHERA Bentham in De Candolle, Prodr. 10: 320 (1846).

**P. Scouleri** Lindley in Bot. Reg. 15: t. 1277 (1829).

*Chelone Scouleri* Douglas in herb. ex Lindley, l. c. (1829), pro. syn.

*Penstemon Menziesii* var. *Scouleri* Gray, Syn. Fl. N. Am. 2,1: 260 (1878).

**P. fruticosus** (Pursh) Greene in Pittonia, 2: 239 (1892).—Pennell in Contrib. U. S. Nat. Herb. 20: 377 (1920).

*Gerardia fruticosa* Pursh, Fl. Am. Sept. 2: 423, t. 18 (1814).

*Dasanthera fruticosa* Rafinesque in Am. Monthly Mag. 2: 267 (1818).

**P. fruticosus** var. *crassifolius* (Lindl.) Krautter in Contrib. Bot. Lab. Univ. Pennsylv. 3: 100 (1908).

*Penstemon crassifolius* Lindley in Bot. Reg. 24: t. 16 (1838).

*Penstemon Douglasii* Hooker, Fl. Bor.-Am. 2: 98 [1838].

*Penstemon Menziesii* var. *Douglasii* Gray, Syn. Fl. N. Am. 2,1: 260 (1878).

*Penstemon fruticosus* var. *Douglasii* Schneider, Ill. Handb. Laubh. 2: 615 (1911).

**P. Menziesii** Hooker, Fl. Bor.-Am. 2: 98 [1838].—Gray, Syn. Fl. N. Am. 2,1: 259 (1878), exclud. var. et syn.

**P. Davidsonii** Greene in Pittonia, 2: 241 (1892).

*Penstemon Menziesii Davidsonii* Piper in Mazama, 2: 99 (1901).—Jepson, Man. Flow. Pl. Calif. 908 (1925) "var. D."—G. N. Jones in Univ. Washington Publ. Biol. 5: 226 (1936) "f. D."—Pennell & Keck in Carnegie Inst. Washington Publ. 520: 295 (1940) "subsp. D."

**P. Cardwellii** Howell, Fl. Northwest. Am. 1: 510 (1903).

*Penstemon fruticosus Cardwellii* Piper in Contrib. U. S. Nat. Herb. 11: 499 (1906).

**P. Newberryi** Gray in [Newberry], Bot. Rep. in U. S. (War Dept.) Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 6,3: 82, t. 14 (1857).—McMinn, Ill. Man. Calif. Shrubs, 511 (1939).

*Penstemon Menziesii* var. *Newberryi* Gray in Proc. Am. Acad. Arts Sci. 6: 57 (1862); Syn. Fl. N. Am. 2,1: 259 (1878).

*Penstemon Menziesii* var. *Robinsoni* Masters in Gard. Chron. 1872: 969, fig. 227 (1872).

?**P. Barrettae** Hort. ex S. Clay, Present Day Rock Gard. 463 (1937), cum. descript. brevi.—Joe Elliott in Gard. Chron. ser. 3, 120: 135, fig. 63 (p. 139) (1946), nom. subnud.

Sect. II. EUPENTSTEMON Bentham in De Candolle, Prodr. 10: 326 (1846).

**P. Lemmoni** Gray in Brewer & S. Watson, Bot. Calif. 1: 557 (1876); Gray, Syn. Fl. N. Am. 2,1: 261 (1878).

Sect. III. ELMIGERA Bentham in op. cit. 329 (1846).

*Elmigeria* Reichenbach, Consp. Reg. Veg. 123 (1828).

**P. cordifolius** Bentham, Scrophul. Ind. Introd. 7 (1835) "*P. cordifolium*"; in De Candolle, Prodr. 10: 329 (1846).—Gray, Syn. Fl. N. Am. 2,1: 260 (1878).

**P. corymbosus** Bentham in De Candolle, Prodr. 10: 593 (1846).—Gray, Syn. Fl. N. Am. 2,1: 260 (1878).

Sect. IV. SACCANTHERA Bentham in op. cit. 329 (1846).

**P. heterophyllus** Lindley in Bot. Reg. 22: t. 1899 (1836) "*heterophyllum*".—Gray, Syn. Fl. N. Am. 2,1: 273 (1878).

**P. Bridgesii** Gray in Proc. Am. Acad. Arts Sci. 7: 379 (1868); Syn. Fl. N. Am. 2,1: 273 (1878).

**PAULOWNIA** Siebold & Zuccarini, Fl. Jap. 1: 25, t. 10 (1835).—Bentham & Hooker f., Gen. Pl. 2: 939 (1876).

Typus: *Bignonia tomentosa* Thunb. = *P. tomentosa* (Thunb.) Steud.

**P. tomentosa** (Thunb.) Steudel, Nomencl. Bot. ed. 2, 2: 278 (1841).—Nakai, Fl. Sylv. Kor. 14: 74, t. 16, 17 (1923).

*Bignonia tomentosa* Thunberg, Fl. Jap. 252 (1785).

*Incarvillea tomentosa* Sprengel, Syst. Veg. 2: 836 (1825).

*Paulownia imperialis* Siebold & Zuccarini, Fl. Jap. 1: 27, t. 10 (1835).

*Paulownia tomentosa* var. *japonica* Elwes in Gard. Chron. ser. 3, 69: 273 (1921), nom. tentat.

**P. tomentosa** f. *pallida* (Dode), grad. nov.

*Paulownia imperialis* f. *flore albo* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 432 (1903), nom.

*Paulownia imperialis* var. *β. pallida* Dode in Bull. Soc. Dendr. France, 1908: 160 (1908).

*Paulownia tomentosa* var. *pallida* Schneider, Ill. Handb. Laubh. 2: 618 (1911).

**P. tomentosa** var. *lanata* (Dode) Schneider, Ill. Handb. Laubh. 2: 618 (1911).—Rehder in Sargent, Pl. Wilson. 1: 574 (1913).

*Paulownia imperialis* var. *γ. lanata* Dode in Bull. Soc. Dendr. France, 1908: 160 (1908).

**P. coreana** Uyeki in Bull. Agric. For. Coll. Suigen Corea, 1: 20, fig. 16 (1925).

**P. lilacina** Sprague in Bot. Mag. 147: t. 8926–27 (1938).

*Paulownia Fargesii* sensu Osborn in Gard. Chron. ser. 3, 86: 46, fig. 26 (1929), non Franchet (1896).

**P. Fargesii** Franchet in Bull. Mus. Hist. Nat. Paris, 2: 280 (1896).—Rehder in Sargent, Pl. Wilson. 1: 575 (1913).

**VERONICA** Linnaeus, Sp. Pl. 9 (1753); Gen. Pl. ed. 5, 10, no. 25 (1754).—Bentham & Hooker f., Gen. Pl. 2: 964 (1876), exclud. sect. 1.—Dalla Torre & Harms, Gen. Siphonogam. 460 (1904), cum synonym. multis.

Typus: *V. officinalis* L.

**V. fruticans** Jacquin, Enum. Stirp. Vindob. 2, 200 (1762).—Beck, Fl. Nieder-Öster. 2: 1056 [1893].

*Veronica saxatilis* Scopoli, Fl. Carniol. ed. 2, 1: 11 (1772).

*Veronica fruticulosa* subsp. *V. fruticans* Rouy, Fl. France, 11: 46 (1909).

- V. fruticulosa** Linnaeus, Sp. Pl. ed. 2, 15 (1762).—Rouy, l. c. (1909).  
*Veronica frutescens* Scopoli, op. cit. 19 (1772).
- HEBE** Commerson ex Jussieu, Gen. Pl. 14, 105 (1789).—G. F. Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 27 (1791).—Pennell in Rhodora, 23: 38 (1921).  
*Veronica* sect. *Hebe* Benth in De Candolle, Prodr. 10: 459 (1846).  
 TYPUS: *H. magellanica* J. F. Gmel.
- H. Traversii** (Hook. f.) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 54: 49 (1926).  
*Veronica Traversii* Hooker f., Handb. New Zeal. Fl. 208 (1867).
- H. Balfouriana** (Hook. f.) Cockayne & Allan in op. cit. 60: 468 (1929).  
*Veronica Balfouriana* Hooker f. in Bot. Mag. 123: t. 7556 (1879).
- H. vernicosa** (Hook. f.) Cockayne & Allan in op. cit. 56: 25 (1926).  
*Veronica vernicosa* Hooker f., Handb. New Zeal. Fl. 208 (1867).  
*Veronica canterburiensis* Armstrong in Trans. Proc. New Zeal. Inst. 13: 355 (1881).
- H. elliptica** (Forst. f.) Pennell in Rhodora, 23: 39 (1921).  
*Veronica elliptica* Forster f., Fl. Ins. Austral. Prodr. 3 (1786).  
*Veronica decussata* Aiton, Hort. Kew. 1: 20 (1789).
- H. speciosa** (R. Cunningh.) Andersen in Trans. Proc. New Zeal. Inst. 56: 693 (1926).  
*Veronica speciosa* R. Cunningham in Bot. Mag. 63: t. 3461, p. [2] (1836).
- H. anomala** (Armstr.) Cockayne in Trans. Proc. New Zeal. Inst. 60: 468 (1929).  
*Veronica anomala* Armstrong in Trans. Proc. New Zeal. Inst. 4: 291 (1872).
- H. buxifolia** (Benth.) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 56: 25 (1926).  
*Veronica buxifolia* Benth in De Candolle, Prodr. 10: 462 (1846).
- H. amplexicaulis** (Armstr.) Cockayne & Allan in op. cit. 26 (1926).  
*Veronica amplexicaulis* Armstrong in Trans. Proc. New Zeal. Inst. 13: 352 (1881).
- H. pinguifolia** (Hook. f.) Cockayne & Allan in op. cit. 27 (1926).  
*Veronica pinguifolia* Hooker f., Handb. New Zeal. Fl. 210 (1867).  
*Veronica carnosula* sensu Hooker f. in Bot. Mag. 101: t. 6587 (1875), non Hooker f. (1867).
- H. carnosula** (Hook. f.) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 57: 37 (1927).  
*Veronica carnosula* Hooker f., Handb. New Zeal. Fl. 210 (1867).
- H. Hectori** (Hook. f.) Cockayne & Allan in op. cit. 40 (1927).  
*Veronica Hectori* Hooker f., op. cit. 212 (1867).
- H. lycopodioides** (Hook. f.) Allan in Trans. Proc. New Zeal. Inst. 56: 49 (1926).  
*Veronica lycopodioides* Hooker f., op. cit. 211 (1867).
- H. cupressoides** (Hook. f.) Andersen in Trans. Proc. New Zeal. Inst. 56: 693 (1926).  
*Veronica cupressoides* Hooker f., op. cit. 212 (1867).  
*Veronica salicornioides* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 103 (1896), pro syn.; non Hooker f. (1867).
- H. angustifolia** (A. Rich.) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 57: 23 (1927).  
*Veronica angustifolia* A. Richard, Essai Fl. Nouv.-Zél. 187 (in Dumont d'Urville, Voy. Astrolabe, Bot. 1.) (1832), non Fischer ex Link (1821), nec S. F. Gray (1821).
- H. Armstrongii** (T. Kirk) Cockayne & Allan in op. cit. 40 (1927).  
*Veronica Armstrongii* T. Kirk in Trans. Proc. New Zeal. Inst. 11: 464 (1879).
- H. Bidwillii** (Hook. f.) Wall in Trans. Proc. New Zeal. Inst. 60: 384 (1929).  
*Veronica Bidwillii* Hooker f. in Hooker's Icon. Pl. 9: t. 814 (1852).
- H. brachysiphon** Summerhayes in Kew Bull. 1927: 397 (1927).  
*Veronica Traversii* sensu Hooker f. in Bot. Mag. 104: t. 6390 (1878), non Hooker f. (1867).  
*Veronica brachysiphon* Bean in Kew Bull. 1934: 224 (1934).
- H. Colensoi** (Hook. f.) Wall in Trans. Proc. New Zeal. Inst. 60: 384 (1929).  
*Veronica Colensoi* Hooker f., Handb. New Zeal. Fl. 209 (1867).
- H. decumbens** (Armstr.) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 57: 42 (1927).  
*Veronica decumbens* Armstrong in Trans. Proc. New Zeal. Inst. 13: 352 (1881).
- H. Dieffenbachii** (Benth.) Cockayne & Allan in op. cit. 14 (1927).  
*Veronica Dieffenbachii* Benth in De Candolle, Prodr. 10: 459 (1846).
- H. Lavaudiana** (Raoul) Andersen in Trans. Proc. New Zeal. Inst. 56: 693 (1926).  
*Veronica Lavaudiana* Raoul, Choix Pl. Nouv.-Zél. 16, t. 10 (1846).
- H. loganioides** (Armstr.) Wall in Trans. Proc. New Zeal. Inst. 60: 384 (1929).  
*Veronica loganioides* Armstrong in Trans. Proc. New Zeal. Inst. 13: 359 (1881).
- H. macrocarpa** (Vahl) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 57: 20 (1927).  
*Veronica macrocarpa* Vahl, Symb. Bot. 3: 4 (1794).
- H. macrourea** (Hook. f.) Cockayne & Allan in op. cit. 15 (1927).  
*Veronica macrourea* Hooker f. ex Benth in Fl. Prodr. 10: 459 (1846).
- H. monticola** (Armstr.) Andersen in Trans. Proc. New Zeal. Inst. 56: 693 (1926).  
*Veronica monticola* Armstrong in Trans. Proc. New Zeal. Inst. 13: 354 (1881), non Trautvetter (1866).
- H. subalpina** (Cockayne) Cockayne & Allan in Trans. Proc. New Zeal. Inst. 56: 25 (1926).  
*Veronica subalpina* Cockayne in Trans. Proc. New Zeal. Inst. 31: 420 (1899).

**Hebe** (continued)

**H. tetragona** (Hook. f.) Andersen in Trans. Proc. New Zeal. Inst. 56: 693 (1926).

*Podocarpus* ? *Dieffenbachii* Hooker f. in Hooker's Icon. Pl. 6: t. 547 (1843).

*Veronica tetragona* Hooker f. in op. cit. t. 580 (1843).

**H. tetrasticha** (Hook. f.) Andersen in op. cit. 56: 694 (1926).

*Veronica tetrasticha* Hooker f., Handb. New Zeal. Fl. 212 (1867).

Fam. **BIGNONIACEAE**

BIGNONIACEAE Persoon, Syn. Pl. 2: 168 [1806], p. p.—R. Brown, Prodr. Fl. Nov. Holl. 470 (1810).—Bentham & Hooker f., Gen. Pl. 2: 1026 (1876).—K. Schumann in Nat. Pflanzenfam. IV. 3b: 189 [1894].

*Bignoniaceae* Jussieu, Gen. Pl. 137 (1789), exclud. gen. nonnull.

*Personatae* sect. *Bignoniaceae* Link, Handb. Erkenn. Gew. 1: 503 (1829).

*Crescentiaceae* Gardner in Hooker, Jour. Bot. 2: 423 (1840).

*Martyniaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 130 (1847), nom. altern.; p. p. quoad subdiv. c. et d.

**BIGNONIA** Linnaeus, Sp. Pl. 624 (1753), quoad sp. 7; Gen. Pl. ed. 5, 273, no. 677 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1033 (1876), tantum quoad syn. *Anisostichus* [= *Anisostichus*].—Sprague in Jour. Bot. 60: 236, 363 (1922).

*Anisostichus* Bureau, Monogr. Bignon. 43, t. 6 (1864). *Doxantha* sensu K. Schumann in Nat. Pflanzenfam. IV. 3b: 216 [1894], non Miers (1863), quoad sp. typ.

LECTOTYPUS: *B. capreolata* L.

**B. capreolata** Linnaeus, Sp. Pl. 624 (1753).—Gray, Syn. Fl. N. Am. 2, 1: 319 (1878).

*Bignonia crucigera* Linnaeus, l. c. (1753), p. p. *Bignonia crucifera* Eaton & Wright, N. Am. Bot. 157 (1840), sphalm.

*Doxantha capreolata* Miers in Proc. Hort. Soc. Lond. 3: 190 (1863).—Schneider, Ill. Handb. Laubh. 2: 621, fig. 402a-e (1911).

*Anisostichus capreolata* Bureau, Monogr. Bignon. Atl. 8, t. 6 (1894).

**ECCREMOCARPUS** Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 90, t. 18 (1794).—Bentham & Hooker f., Gen. Pl. 2: 1050 (1876).

*Calampelis* D. Don in Edinb. New Philos. Jour. [7]: 89 (1829).

LECTOTYPUS: *E. viridis* Ruiz & Pav.

**E. scaber** Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 90 (1794); Syst. Veg. Fl. Peruv. Chil. 157 (1798).—Hooker f. in Bot. Mag. 105: t. 6408 (1879).

*Calampelis scabra* D. Don in Edinb. New Philos. Jour. [7]: 89 (1829).

**CAMPISIS** Loureiro, Fl. Cochinch. 377 (1790).—Seemann in Jour. Bot. 1: 19 (1863); 5: 371 (1867).—Schumann in Nat. Pflanzenfam. IV. 3b: 230 [1894].

*Bignonia* Linnaeus, Sp. Pl. 624 (1753), quoad sp. 10.

*Tecoma* Jussieu, Gen. Pl. 139 (1789), p. p.

TYPE: *Campsis adrepens* Lour. = *C. grandiflora* (Thunb.) K. Schum.

**C. radicans** (L.) Seemann in Jour. Bot. 5: 372 (1867).—Voss, Vilmor. Blumengärt. 1: 801 [1894].—Schneider,

Ill. Handb. Laubh. 2: 623, fig. 401c-d, 402g-m (1911). *Bignonia radicans* Linnaeus, Sp. Pl. 624 (1753).—Britton in Addisonia, 8: 39, t. 276 (1923).

*Tecoma radicans* Jussieu, Gen. Pl. 139 (1779).—De Candolle, Prodr. 9: 223 (1845).—Gray, Syn. Fl. N. Am. 2, 1: 319 (1878).

**C. radicans** f. **praecox** (Jäger) Rehder, Man. Cult. Trees Shrubs, ed. 2, 821 (1940).

*Bignonia radicans* var. *praecox* Jäger, Ziergeh. 134 (1865).

*Tecoma radicans* var. *praecox* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 393 (1884).

*Campsis radicans* f. *sanguinea praecox* Voss, Vilmor. Blumengärt. 1: 801 [1895].

*Campsis radicans* var. *praecox* Schneider, Ill. Handb. Laubh. 2: 623 (1911).

**C. radicans** f. **flava** (Bosse) Rehder in Jour. Arnold Arb. 7: 34 (1926).

*Tecoma radicans* γ. *flava* Bosse, Vollst. Handb. Blumengärt. ed. 2, 3: 470 (1842).

*Tecoma radicans* *lutea* hort. ex Kirchner in Petzold & Kirchner, Arb. Mus. Muscav. 519 (1864).

*Bignonia radicans* var. *lutea* Jäger, Ziergeh. 134 (1865).

*Bignonia radicans aurea* Meehan, Hardy Plants, Fall 1904: 45 (1904), nom.

*Campsis radicans* var. *aurea* Hort. ex Rehder in Bailey, Stand. Cycl. Hort. 2: 685 (1914); in Mitt. Deutsch. Dendr. Ges. 1915(24): 227 [1916] "f."

**C. radicans** var. **speciosa** [Parsons] Voss ex Schneider, Ill. Handb. Laubh. 2: 623 (1911).—Rehder in Bailey, Stand. Cycl. Hort. 2: 651 (1914).—Non Voss [1895]. ?*Bignonia radicans* var. *minor* C. F. Ludwig, Neu. Wilde Baumz. 8 (1783), nom.

?*Tecoma radicans* *minor* Kirchner in Petzold & Kirchner, Arb. Muscav. 519 (1864).

*Tecoma speciosa* Parsons Descr. Cat. Orn. Trees Shrubs, 58 [1887], nom. subnud.

?*Campsis radicans* f. *minor* Voss, Vilmor. Blumengärt. 1: 801 [1895].

*Tecoma radicans* var. *speciosa* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1778 (1902), non *T. r. speciosa rubra* Dippel (1889).

**C. grandiflora** (Thunb.) K. Schumann in Nat. Pflanzenfam. IV. 3b: 230 [1894].

*Bignonia grandiflora* Thunberg, Fl. Jap. 253 (1784).

*Bignonia chinensis* Lamarck, Encycl. Méth. Bot. 1: 423 [1785].

*Campsis adrepens* Loureiro, Fl. Cochinch. 2: 377 (1790).

*Tecoma grandiflora* Loiseleur, Herb. Amat. 5: t. 286 (1821).

*Tecoma chinensis* K. Koch, Dendr. 2: 307 (1872).

*Campsis chinensis* Voss, Vilmor. Blumengärt. 1: 801 [1896].—Rehder in Sargent, Pl. Wilson 1: 303 (1912).

**C. grandiflora** f. **Thunbergii** (Carr.) Rehder in Jour. Arnold Arb. 20: 428 (1939).

*Tecoma Thunbergii* [Carrière?] in Fl. des Serr. 12: 181 (1857).—Carrière in Rev. Hort. 1876: 440 (1876).

*Tecoma radicans* var. *Thunbergii* (Sieb.) Lavallée, Arb. Segrez. 176 (1877), nom.

*Campsis chinensis* f. *Thunbergii* (hort.) Voss, Vilmor. Blumengärt. 1: 801 [1894], descr. mendosa.—Schneider, Ill. Handb. Laubh. 2: 623 (1911) "var.", descr. mendosa.

*Tecoma grandiflora* var. *Thunbergii* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1778 (1902), descr. mendosa.

- C. Tagliabuana** (*C. grandiflora* × *radicans*) (Vis.) Rehder in Jour. Arnold Arb. **13**: 340 (1932).  
*Tecoma Tagliabuana* Visiani in Atti Istit. Venet. Sci. ser. 3, **4**: 135 (1859). — Meunissier in Rev. Hort. n. sér., **28**: 310, t. (1928).  
*?Bignonia radicans* var. *atropurpurea* Jäger, Ziergeh. **134** (1865).  
*?Tecoma radicans* var. *atropurpurea* Jäger in Jäger & Beissner, Ziergeh. ed. 2, 393 (1884).  
*Tecoma hybrida* hort. ex Dippel, Handb. Laubh. **1**: 48 (1889), nom. subnud. — Jouin in Jardin, **13**: 104 (1899). — Rehder in Sargent, Trees & Shrubs, **1**: 93, t. 47 (1903).  
*Tecoma grandiflora rubra* Dippel, l. c. (1889).  
*Tecoma grandiflora Princei* Dippel, l. c. (1889).  
*Tecoma chinensis aurantiaca* hort. ex Koehne, Deutsche Dendr. **522** (1893), nom. subnud.  
*Campsis radicans* f. *atropurpurea*, f. *aurantiaca* et f. *Princei* Voss, Vilmor. Blumengärt. **1**: 801 [1894].  
*Tecoma radicans Princei* hort. ex Nicholson & Mottet, Dict. Hort. Prat. **5**: 209 (1898).  
*Tecoma radicans grandiflora atropurpurea* Jouin in Jardin, **13**: 104 (1899).  
*Tecoma Princei coccinea grandiflora* Jouin, l. c. (1899).  
*Campsis hybrida* Zabel in Rümpler, Gartenb.-Lex. **166** (1901).  
*Tecoma intermedia* Schelle in Beissner et al., Handb. Laubh.-Ben. **435** (1903).
- CATALPA** Scopoli, Introd. Hist. Nat. **170** (1771). — Bentham & Hooker f., Gen. Pl. **2**: 1041 (1876).  
*Bignonia* Linnaeus, Sp. Pl. **622** (1753), p. p. quoad sp. 1.  
*Catalpium* Rafinesque, Princip. Fond. Somiol. **27** (1814); in Am. Monthly Mag. **4**: 190 (1819).  
 TYPUS: *Bignonia Catalpa* L. = *Catalpa bignonioides* Walt.
- C. ovata** G. Don, Gen. Hist. Dichlam. Pl. **4**: 230 [1837?]. — Rehder in Sargent, Pl. Wilson. **1**: 303 (1912). — Nakai, Fl. Sylv. Kor. **14**: 17, t. 18 (1923).  
*Bignonia Catalpa* sensu Thunberg, Fl. Jap. **251** (1784), non Linnaeus (1753).  
*Catalpa bignonioides* β. ? *Kaempferi* De Candolle, Prodr. **9**: 226 (1845).  
*Catalpa Kaempferi* Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Münch. **43**: 142 (Fl. Jap. Fam. Nat. **2**: 18) (1846).  
*Catalpa Henryi* Dode in Bull. Soc. Dendr. France, **1907**: 199, fig. D, E (1907).
- C. ovata** f. *flavescens* (Bean), grad. nov.  
*Catalpa ovata* var. *flavescens* Bean, Trees Shrubs Brit. Isl. **1**: 313 (1914).
- C. bignonioides** Walter, Fl. Carol. **64** (1788). — Gray, Syn. Fl. N. Am. **2**, **1**: 319 (1878), exclud. syn. Jaume.  
*Bignonia Catalpa* Linnaeus, Sp. Pl. **622** (1753), exclud. pl. jap.  
*Catalpa cordifolia* Moench, Meth. Pl. **464** (1794).  
*Catalpa ternifolia* Cavanilles, Descr. Pl. Lecc. Publ. **26** (1802).  
*Catalpa communis* Dumont de Courset, Bot. Cult. **2**: 189 (1802).  
*Catalpa syringifolia* Sims in Bot. Mag. **27**: t. 1094 (1806). — H. Witte, Flora, **97**, t. 25 (1868) "*syringaeifolia*".  
*Catalpium amena* Rafinesque, Fl. Ludovic. **139** (1817).  
*Catalpa arborea* Payer, Leç. Fam. Nat. Pl. **214** [1862?].  
*Catalpa Catalpa* Karsten, Deutsche Fl. Pharm.-Med. Bot. **927** (1882). — Sargent, Silva N. Am. **6**: 86, t. 288-9 (1894).
- Catalpa arguta* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 107 (1896), pro syn.  
*Catalpa cassinaefolia* Hort. ex [Nicholson] l. c. (1896), pro syn.
- C. bignonioides** f. *aurea* [Bureau] Schelle in Beissner et al., Handb. Laubh.-Ben. **434** (1903) "(f.)"  
*Catalpa bignonioides* var. *aurea* Lavallée, Arb. Segrez. **175** (1877), nom. — Bureau in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 3, **6**: 183 (1894).
- C. bignonioides** f. *Koehnei* (Hesse) Schelle, l. c. (1903) "(f.)"  
*Catalpa syringaeifolia Koehnei* Hesse in Gartenfl. **52**: 47 (1903).  
*Catalpa bignonioides* ζ. *Koehnei* Hesse ex Dode in Bull. Soc. Dendr. France, **1907**: 206 (1907); in Repert. Sp. Nov. Reg. Veg. **7**: 8 (1909).
- C. bignonioides** f. *nana* [Bureau] Schelle in Beissner et al., Handb. Laubh.-Ben. **434** (1903) "(f.)"  
*Catalpa Bungei* var. *nana* (*pumila*) Lavallée, Arb. Segrez. **176** (1877), nom.  
*Catalpa Umbraculifera* Ugolini in Bull. Soc. Tosc.ortic. **13**: 330 (1888).  
*?Catalpa nana* hort. ex Dippel, Handb. Laubh. **1**: 51 (1889), pro syn.  
*Catalpa pumila* hort. bat. in Arb. Zöschgen ex Wien. Ill. Gartenzeit. **15**: 317 (1890).  
*Catalpa bignonioides* var. *nana* Bureau in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 3, **6**: 183 (1894).  
*Catalpa Catalpa* var. *nana* [Nash] in Jour. New York Bot. Gard. **21**: 59 (1920), nom.  
*Catalpa Bungei* hort. ex Rehder, Man. Cult. Trees Shrubs, **791** (1927), pro syn.; non C. A. Meyer (1837).
- C. hybrida** (*C. bignonioides* × *ovata*) Hort. ex Spaeth in Gartenfl. **47**: 481, t. 1454 (1898).  
*?Catalpa erubescens* Carrière in Rev. Hort. **1869**: 460 (1869). — Dode in Bull. Soc. Dendr. France, **1907**: 205 (1907).  
*Catalpa* × "*J. C. Teas*" Sargent in Gard. & For. **2**: 303, fig. [116] (1889), cum descr. latin.  
*Catalpa teasii* Penhallow in Am. Naturalist, **39**: 114, 134, fig. (1905).  
*Catalpa teasiana* Dode, l. c. (1907).  
*Catalpa Galleana* Dode, l. c. (1907).
- C. hybrida** var. *japonica* (Dode) Rehder in Bailey, Stand. Cycl. Hort. **2**: 685 (1914); in Mitt. Deutsch. Dendr. Ges. **1915**(24): 227 [1916].  
*Catalpa japonica* Dode in Bull. Soc. Dendr. France, **1907**: 200, fig. (1907); in Repert. Sp. Nov. Reg. Veg. **7**: 7 (1909).
- C. hybrida** f. *purpurea* (Rehd.), grad. nov.  
*Catalpa bignonioides* var. *purpurea* Hort. ex Rehder in Bailey, Cycl. Am. Hort. **[1]**: 258 (1900). — Hort. Van Houtte ex Schelle in Beissner et al., Handb. Laubh.-Ben. **433** (1903) "(f.)", nom.  
*Catalpa Kaempferi* f. *atropurpurea* hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. **434** (1903), nom.  
*Catalpa erubescens* var. *purpurea* Dode in Bull. Soc. Dendr. France, **1907**: 205 (1907).  
*Catalpa hybrida atropurpurea* Spaeth, [Kat.] **124**: 88 (1907).  
*Catalpa hybrida* var. *purpurea* Rehder in Mitt. Deutsch. Dendr. Ges. **1912**(21): 193 [1913].  
*Catalpa ovata* var. *purpurea* Bean, Trees Shrubs Brit. Isl. **1**: 313 (1914).



**Catalpa** (continued)

**C. speciosa** Warder [ex Barney] ex Engelm. in Bot. Gaz. 5: 1 (1880).—Sargent, Silva N. Am. 6: 89, t. 290-1 (1894).

*Catalpa cordifolia* Jaume St. Hilaire in Duhamel, Traité Arb. Arbriss. éd. augm. [Nouv. Duhamel] 2: 13, t. 5 [1804], non Moench (1794).

*Catalpa bignonioides* sensu Lesquereux in Owen, Second Rep. Geol. Surv. Arkansas, 375 (1860), non Walter (1788).

*Catalpa speciosa* J. C. Teas [Nurs. Cat.]? (1866), nom.?

*Catalpa bignonioides* var. *speciosa* Warder ex Barney in Gard. Monthly (Meehan), 20: 312 (1878).—Barney, Add. Facts Inform. Catalpa Tree, 21 [1879].

**C. Bungei** C. A. Meyer in Bull. Acad. Sci. St. Pétersb. 2: 49 (1837).—Bureau in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 3, 6: 197, t. 4, fig. 2-13 (1894).

*Catalpa syringaeifolia* sensu Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 119 (Enum. Pl. Chin. Bor. 45. 1833) (1835), non Sims (1806).

**C. Bungei** var. *heterophylla* C. A. Meyer in Bull. Acad. Sci. St. Pétersb. 2: 49 (1837) "β."—Bureau in op. cit. 201, t. 4, fig. 1 (1894), pro syn.

*Catalpa heterophylla* Dode in Bull. Soc. Dendr. France, 1907: 203 (1907).

**C. Fargesii** Bureau in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 3, 6: 195, t. 3 (1894).—Rehder in Sargent, Pl. Wilson. 1: 305 (1912).

**C. Fargesii** f. *Duclouxii* (Dode) Gilmour in Bot. Mag. 159: t. 9 458 (1936).

*Catalpa Duclouxii* Dode in Bull. Soc. Dendr. France, 1907: 201, fig. (1907).—Rehder in Sargent, Pl. Wilson. 1: 304 (1912).

*Catalpa sutchuenensis* Dode in op. cit. 204, fig. (1907).

**CHILOPSIS** D. Don in Edinb. Philos. Jour. 9: 261 (1823).—G. Don, Gen. Hist. Dichlam. Pl. 4: 228 [1837?].—Bentham & Hooker f., Gen. Pl. 2: 1041 (1876).

TYPE: *C. saligna* D. Don = *C. linearis* (Cav.) Sweet.

**C. linearis** (Cav.) Sweet, Hort. Brit. 1: 283 (1826).—De Candolle, Prodr. 9: 227 (1845).—Sargent, Silva N. Am. 6: 95, t. 292 (1894).

*Bignonia* ? *linearis* Cavanilles, Icon. Descr. Pl. 3: 35, t. 269 (1794).

*Chilopsis saligna* D. Don in Edinb. Philos. Jour. 9: 261 (1823).—Gray, Syn. Fl. N. Am. 2, 1: 320 (1878).

*Chilopsis glutinosa* Engelm. in Wislizenus, Mem. Tour N. Mex. Bot. App. 94 (1848).

*Chilopsis linearis* var. *originaria* Fosberg in Madroño, 3: 365 (1936).

Fam. **GLOBULARIACEAE**

**GLOBULARIACEAE** Link, Handb. Erkenn. Gew. 1: 675 (1829).—A. de Candolle in De Candolle, Prodr. 12: 609 (1848).

*Globulariae* [Lamarck, Encycl. Méth. Bot. 2: 730 [1788] "Globulaires."—] De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, 3: 427 (1805).

*Globulariae* Endlicher, Gen. Pl. 639 [1839].

*Bontiaceae* b. *Globulariae* Horaninov, Char. Ess. Fam. Reg. Veg. 119 (1847).

*Selaginiae* Bentham & Hooker f., Gen. Pl. 2: 1126 (1876), p. p.

**GLOBULARIA** Linnaeus, Sp. Pl. 95 (1753); Gen. Pl. ed. 5, 42, no. 106 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1130 (1876).

*Abolaria* Necker, Elem. Bot. 1: 105 (1790).

*Alypum* Fischer, Cat. Jard. Gorenki, xix (1812).

*Carradoria* A. de Candolle, Prodr. 12: 610 (1848).

LECTOTYPUS: *G. vulgaris* L.

**G. cordifolia** Linnaeus, Sp. Pl. 96 (1853).—Rouy, Fl. France, 11: 213 (1909).

Fam. **PLANTAGINACEAE**

**PLANTAGINACEAE** Lindley, Nat. Syst. Bot. ed. 2, 267 (1836).—Decaisne in De Candolle, Prodr. 13, 1: 693 (1852).—NOM. CONSERV.; cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).

*Plantagineae* Ventenat, Tabl. Règ. Vég. 2: 269 (1799).—Bentham & Hooker f., Gen. Pl. 2: 1223 (1876).

*Psylliaceae* Horaninov, Prim. Lin. Syst. Nat. 69 (1834).

*Allioniaceae* A. *Plantagineae* Horaninov, Char. Ess. Fam. Reg. Veg. 105 (1847).

**PLANTAGO** Linnaeus, Sp. Pl. 112 (1753); Gen. Pl. ed. 5, 52, no. 133 (1754).—Bentham & Hooker f., Gen. Pl. 2: 1224 (1876).

LECTOTYPUS: *P. major* L.

**P. Cynops** Linnaeus, Sp. Pl. 116 (1753).—Rouy, Fl. France, 10: 121 (1908).—Hegi, Ill. Fl. Mittel-Eur. 6, 1: 193, fig. 109e-i [1914].

*Plantago suffruticosa* Lamarck, Fl. Franç. 2: 313 (1778).

*Plantago Genevensis* Poir. in Encycl. Méth. Bot. 5: 390 (1804).

Fam. **RUBIACEAE**

**RUBIACEAE** B. Jussieu, Ord. Nat. Hort. Trianon. 1759, lxx (nom. subnud.) in A. Jussieu, Gen. Pl. (1789); A. Jussieu, op. cit. 196 (1789).—Bentham & Hooker f., Gen. Pl. 2: 7 (1873).—K. Schumann in Nat. Pflanzenfam. IV. 4: 1 (1891).

*Stellatae* Scopoli, Fl. Carniol. 339 (1760, pref. June).—Linnaeus, Philos. Bot. ed. 2, 36 (1763), nom. subnud.

*Rubiaceae* div. *Stellatae* R. Brown in Tuckey, Narr. Exped. Zaire, 447 (Obs. Coll. Pl. Congo) (1818).

*Rubiaceae* sect. *Gardeniaceae* Schechtendal & Chamisso in Linnaea, 4: 197 (1827), nom. subnud.

*Cinchonaceae* Lindley, Introd. Nat. Syst. Bot. 203 (1830).

*Galiaceae* Lindley, Nat. Syst. Bot. ed. 2, 249 (1836), nom. altern.—Jameson, Syn. Pl. Aequator. 1: 316 (1865).

*Rubiaceae* subord. *Coffeaceae* (p. 521) et subord. *Cinchonaceae* (p. 545) Endlicher, Gen. Pl. 521, 545 [1838].

*Rubiaceae* subord. *Cinchoneae* Gray, Bot. Text-book, 294 (1842).

*Coffeaceae* Horaninov, Tetractys Nat. 26 (1843).

*Rubiaceae* A. *Coffeaceae* et b. *Gardeniaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 96, 97 (1847).

**CEPHALANTHUS** Linnaeus, Sp. Pl. 95 (1753); Gen. Pl. ed. 5, 42, no. 105 (1754).—Bentham & Hooker f., Gen. Pl. 2: 30 (1873).

TYPE: *C. occidentalis* L.

**C. occidentalis** Linnaeus, Sp. Pl. 95 (1753).—Sargent, Silva N. Am. 14: 26, t. 711 (1902).

*Cephalanthus oppositifolius* Moench, Meth. Pl. 487 (1794).

*Cephalanthus occidentalis* var. *obtusifolia* Rafinesque, Med. Fl. 1: 102 (1828).

- Cephalanthus acuminatus* Rafinesque, New Fl. N. Am. 3: 25 [1838], nom.  
*Cephalanthus obtusifolia* Rafinesque, l. c. [1838].
- C. occidentalis** f. *angustifolius* (André), grad. nov.  
*Cephalanthus occidentalis angustifolius* André in Rev. Hort. 1889: 281, fig. 71 (1889).—Schneider, Ill. Handb. Laubh. 2: 630 (1911).  
*Cephalanthus angustifolia* hort. ex Dippel, Handb. Laubh. 1: 164 (1889), pro. syn.; non Loureiro (1790).
- C. occidentalis** var. *pubescens* Rafinesque, Med. Fl. 1: 101 (1828).  
*Cephalanthus pubescens* Rafinesque, New Fl. N. Am. 3: 25 [1838], nom.
- PAEDERIA** Linnaeus, Mant. Pl. 7 (1767).—Bentham & Hooker f., Gen. Pl. 2: 133 (1873).  
*Dauncontu* Adanson, Fam. Pl. 2: 146 (1763).  
*Hondbessen* Adanson, op. cit. 158 (1763).  
*Lygodisodea* Ruiz & Pavon, Fl. Peruv. Chil. Prodr. 32, t. 5 (1794).  
*Disodea* Persoon, Syn. Pl. 1: 210 (1805).  
*Reussia*, Dennstedt, Schluess. Hort. Malab. 33 (1818).  
*Lecontea* A. Richard in Mém. Soc. Hist. Nat. Paris, 5: 195, t. 20, fig. 1bis (1830).  
*Siphomeris* Bojer, Hort. Maurit. 170 (1837).  
*Hondbesseion* Kuntze, Rev. Gen. Fl. 1: 285 (1891); in Post & Kuntze, Lex. Gen. Phaner. 286 (1903) "*Hondbesseion*".  
 TYPUS: *P. foetida* L.
- P. scandens** (Lour.) Merrill in Contrib. Arnold Arb. 8: 163 (1934).—Rehder in Jour. Arnold Arb. 16: 324 (1935).  
*Gentiana scandens* Loureiro, Fl. Cochinch. 171 (1790).  
*Paederia foetida* sensu Thunberg in Nov. Act. Soc. Sci. Upsal. 4: 32 (1783); Fl. Jap. 106 (1784); non Linnaeus (1767).  
*Paederia chinensis* Hance in Jour. Bot. 16: 228 (1878).—Nakai, Fl. Sylv. Kor. 14: 91, t. 21 (1923).  
*Paederia tomentosa* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. 29: 173 (in Mém. Biol. 11: 798) (1883).—Hutchinson in Sargent, Pl. Wilson. 3: 403 (1916).—Non Blume (1826).  
*Paederia Esquirolii* Léveillé in Repert. Sp. Nov. Reg. Veg. 10: 146 (1911).  
*Paederia Dunniana* Léveillé, l. c. (1911).  
*Paederia Wilsonii* Hesse in Mitt. Deutsch. Dendr. Ges. 1913(22): 268 [1914].  
*Paederia Mairei* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 179 (1914).  
*Paederia tomentosa* var. *Mairei* Léveillé, Cat. Pl. Yun-Nan, 247 (1917).
- EMMENOPTERYS** Oliver in Hooker's Icon. Pl. 19: t. 1823 (1889).  
 TYPUS: *E. Henryi* Oliv.
- E. Henryi** Oliver, l. c. (1889).—Hu & Chun, Icon. Pl. Sin. 1: 47, t. (1927) "*Emmenopteris*".—Rehder in Jour. Arnold Arb. 16: 318 (1935).  
*Mussaenda Cavaleriei* Léveillé in Repert. Sp. Nov. Reg. Veg. 13: 178 (1914).  
*Mussaenda Mairei* Léveillé in Bull. Acad. Intern. Géog. Bot. 25: 47 (1915).
- PINKNEYA** Michaux, Fl. Bor.-Am. 1: 103, t. 13 (1803).—Persoon, Syn. Pl. 1: 197 (1805) "*Pinknea*".—De Candolle, Prodr. 4: 366 (1830) "*Pinkneya*".—Bentham & Hooker f., Gen. Pl. 2: 47 (1873); 1228 (1876).  
 TYPUS: *P. pubens* Michx.
- P. pubens** Michaux, Fl. Bor.-Am. 1: 103, t. 13 (1803).—Gray, Syn. Fl. N. Am. 1,2: 23 (1884).—Sargent, Silva N. Am. 5: 109, t. 227-8 (1893).—Merrill in Bartonía, 23: 23 (1945).  
*Bartramia bracteata* Bartram, Travels N. & S. Carol. xviii (1791), nom.  
*Bignonia bracteata* Bartram, op. cit. 468 (1791), nom.; descr. sine nom. p. 16.  
*Cinchona caroliniana* Poirét, Encycl. Méth. Bot. 6: 40 (1804).  
*Pinknea pubescens* Persoon, Syn. Pl. 1: 197 (1805).—Gaertner f., Fruct. Sem. 3: 80, t. 194 (1805) "*Pinckneya*".—Poirét in Lamarck, Tabl. Encyl. Méth. Bot. 2: 265 (1819) "*Pinckneya*".  
*Pinckneya bracteata* (Bartr.) Rafinesque in Casket, 1827, 194, fig. 17 (1827); in Saturday Evening Post, 6(no. 303): [4], fig. (1827).—F. Harper in Bartonía, 21: 7 (1942).  
*Mussaenda bracteata* Rafinesque, l. c. (1827); l. c. (1827), pro syn.
- LEPTODERMIS** Wallich in Roxburgh, Fl. Ind. 2: 191 (1824).—Bentham & Hooker f., Gen. Pl. 2: 135 (1873).—H. Winkler in Repert. Sp. Nov. Reg. Veg. 18: 145 (1922).  
 TYPUS: *L. lanceolata* Wall.
- L. oblonga** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 108 (Enum. Pl. Chin. Bor. 34. 1833) (1835).—Hutchinson in Sargent, Pl. Wilson. 3: 403 (1916).  
*Hamiltonia oblonga* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 6: 34 (Pl. David. 1: 154. 1884) (1883).
- L. Rehderiana** H. Winkler in Repert. Sp. Nov. Reg. Veg. 18: 157 (1922).
- L. pilosa** Diels in Notes Bot. Gard. Edinb. 5: 275 (1812).—A. T. Johnson in Gard. Chron. ser. 3, 88: 319, fig. 123 (1930).  
*Hamiltonia pilosa* Franchet in sched. ex Hutchinson in Sargent, Pl. Wilson. 3: 405 (1916), pro syn.
- L. kumaonensis** Parker in Ind. Forester, 48: 576 (1922).
- L. Purdomii** Hutchinson in Sargent, Pl. Wilson. 3: 405 (1916).
- COPROSMA** Forster, Char. Gen. Pl. Austral. 137, t. 69 (1776).—Bentham & Hooker f., Gen. Pl. 2: 139 (1873).  
*Marquisia* A. Richard in Mém. Soc. Hist. Nat. Paris, 5: 192 (1830).  
*Eurynome* De Candolle, Prodr. 4: 475 (1830).  
*Pelaphia* Solander msc. ex A. Cunningham in Ann. Mag. Nat. Hist. 2: 206 (1839).  
*Euarthronia* Nuttall ex Gray in Proc. Am. Acad. Arts Sci. 4: 49 (1860).  
 TYPUS: *C. foetidissima* Forst.
- C. Petriei** Cheeseman in Trans. Proc. New Zeal. Inst. 18: 316 (1886); Man. New Zeal. Fl. ed. 2, 876 (1925).
- C. acerosa** A. Cunningham in Ann. Mag. Nat. Hist. 2: 207 (1839).—Cheeseman, op. cit. 870 (1925).
- MITCHELLA** Linnaeus, Sp. Pl. 111 (1753); Gen. Pl. ed. 5, 49, no. 126 (1754).—Bentham & Hooker f., Gen. Pl. 2: 137 (1873).

**Mitchella** (*continued*)

*Chamaedaphne* Mitchell, Diss. Brev. Princip. Bot. 27 (1748), nom. prae-Linn.; reprinted in 1769.

TYPUS: *M. repens* L.

**M. repens** Linnaeus, Sp. Pl. 111 (1753). — Gray, Syn. Fl. N. Am. 1,2: 31 (1884), exclud. syn. Sieb. & Zucc. — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 3: 255, fig. 3924 (1913).

Fam. **CAPRIFOLIACEAE**

CAPRIFOLIACEAE Ventenat, Tabl. Règne Vég. 2: 593 (1799), gen. nonnull. exclud. — Lindley, Veg. Kingd. 766 (1853). — Bentham & Hooker f., Gen. Pl. 2: 1 (1873). — Nakai, Fl. Sylv. Kor. 11: 19 (1921).

*Caprifoliae* Persoon, Syn. Pl. 1: 213 (1805).

*Lonicereae* Endlicher, Gen. Pl. 566 [1838].

*Caprifoliae* Presl, Wšeb. Rostl. 1: 785 (1846), *Viburneae* exclus.

*Lonicereae* Horaninov, Char. Ess. Fam. Reg. Veg. 95 (1847). — Drude in A. Schenk, Handb. Bot. 3,2: 370 (1887).

Trib. I. SAMBUCEAE (H. B. K.) Fritsch in Nat. Pflanzenfam. IV. 4: 161 [1891].

*Sambucineae* Batsch, Tab. Aff. Reg. Veg. 238 (1802).

*Caprifoliaceae* sect. *Sambuceae* Humboldt, Bonpland, Kunth, Nov. Gen. Spec. Pl. 3: 427 (fol. ed. 333) (1818), p. p.

*Viburnaceae* Dumortier, Florula Belg. 54 (1827), nom. subnud.; p. p.

*Sambucinae* Link, Handb. Erkenn. Gew. 1: 662 (1829).

*Caprifoliaceae* sect. *Sambucineae* Lindley, Introd. Syst. Nat. Bot. 207 (1830). [— A. Richard in Dict. Class. Hist. Nat. 3: 173 (1823). "Caprifoliacées †† Sambucinae," p. p.]

*Viburneae* Bartling, Ord. Nat. Pl. 214 (1830), p. p.

*Dipsaceae* 3. *Valerianeae* c. *Sambuceae* Reichenbach, Handb. Nat. Pflanzensyst. 178 (1837), p. p.

*Lonicereae* subord. *Sambuceae* Endlicher, Gen. Pl. 569 [1838], p. p.

*Viburneae* sect. *Sambucineae* Spach, Hist. Nat. Vég. Phan. 8: 305 (1839).

*Lonicereae* b. *Sambuceae* Horaninov, Char. Ess. Fam. Reg. Veg. 96 (1847), p. p. typ.

*Caprifoliaceae* i. *Sambucoideae*, Luerissen, Grundz. Bot. 321 (1877), p. p. typ.; exclud. *Adoxa*.

**Sambucus** Linnaeus, Sp. Pl. 269 (1753); Gen. Pl. ed. 5, 130, no. 334 (1754). — Bentham & Hooker f., Gen. Pl. 2: 3 (1873). — Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 1–56, ill., t. [1910?]; 1920(29): 194–231 (1920).

*Tripetalus* Lindley in T. L. Mitchell, Three Exped. E. Austral. 2: 14 (1839).

*Ebulum* Garcke, Fl. Nord- & M.-Deutschl. ed. 7, 184 (1865); *Ebulus* Pontedera (1720 et Linnaeus 1735) est nom. prae-Linn.

*Ebulus* (Pontedera) Nakai in Jour. Coll. Sci. Tokyo, 42,2: 13 (Tent. Syst. Caprifol. Jap.) (1921).

LECTOTYPUS: *S. nigra* L.

Sect. I. EUSAMBUCEUS Spach, Hist. Nat. Vég. Phan. 8: 320 (1839).

*Sambucus* subgen. *Ebulus* Rafinesque, Alsogr. Am. 47 (1838), p. p., sp. typ. exclud.

**Sambucus nigra** Linnaeus, Sp. Pl. 269 (1753). — Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 28 [1910?]. — Hegi, Ill. Fl. Mittel-Eur. 6,1: 237, fig. 128–9 [1915].

*Sambucus vulgaris* Necker, Delic. Gallo-Belg. Silv. 1: 156 (1768).

*Sambucus medullosa* Gilibert, Fl. Lithuan. 1: 26 (1781).

*Sambucus nigra* a. *pulla* Aiton, Hort. Kew. 1: 374 (1789).

*Sambucus arborescens* Gilibert, Exerc. Phytol. 1: 5 (1792).

*Sambucus florida* Salisbury, Prodr. Stirp. Chap. Allert. 172 (1796).

*Sambucus nigra* a. *vulgaris* Hayne, Dendr. Fl. 38 (1822).

*Sambucus virescens* Simon-Louis ex Weber in Rev. Hort. 1889: 58 (1889), non Desfontaines (1809).

*Sambucus bataviensis* Weber ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 28 (1910?), pro syn.; err. pro "*Salix bataviensis* Weber."

**S. nigra** f. *albo-variegata* [West.] Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 32 [1910?].

*Sambucus nigra* 5. *albo-variegata* Weston, Bot. Univ. 1: 266 (1770). — Endlicher, Cat. Hort. Acad. Vindob. 1: 461 (1842) "g.", nom.

*Sambucus nigra* † *variegata* Hayne, Dendr. Fl. 39 (1822), p. p.

*Sambucus nigra* *tricolor* Dippel ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 32 [1910?], pro syn.

*Sambucus nigra* var. *argenteo-variegata* Kirchner ex Schwerin, l. c. [1910?], pro syn.

**S. nigra** f. *luteo-variegata* [West.] Schwerin, l. c. [1910?]. *Sambucus nigra* 7. *luteo-variegata* Weston, Bot. Univ. 1: 266 (1770). — Endlicher, Cat. Hort. Acad. Vindob. 1: 146 (1842) "η." nom.

*Sambucus nigra* † *variegata* Hayne, Dendr. Fl. 39 (1822), p. p.

*Sambucus nigra* *aureo-variegata* Dippel ex Schwerin, l. c. [1910?], pro syn. — Weston ex Rehder, Man. Cult. Trees Shrubs, 796 (1927) "var."

**S. nigra** f. *aurea* (Sweet) Schwerin in op. cit. 33 [1910?]. *Sambucus nigra* γ. *aurea* Sweet, Hort. Brit. 1: 194 (1826).

*Sambucus aurea* Carrière in Rev. Hort. 1891: 384 (1891).

**S. nigra** f. *laciniata* (L.) Zabel in Beissner et al., Handb. Laubh.-Ben. 437 (1903). — Schwerin in op. cit. 31 [1910?].

*Sambucus nigra* γ. *laciniata* Linnaeus, Sp. Pl. 270 (1753). — Willdenow, Berlin. Baumz. 356 (1796).

*Sambucus laciniata* Miller, Gard. Dict. ed. 8, S. no. 2 (1768). — Rafinesque, Alsogr. Am. 49 (1838).

?*Sambucus nigra* ε. *heterophylla* Endlicher, Cat. Hort. Acad. Vindob. 1: 461 (1842), nom. — Pépin in Hortic. Univ. 3: 231 (1842) "var."

*Sambucus nigra* var. *cannabinaefolia* Pépin, l. c. (1842), nom. altern.

**S. nigra** f. *linearis* (Kirchn.) Schneider, Ill. Handb. Laubh. 2: 633 (1911).

*Sambucus nigra* 6. *linearis* Kirchner in Petzold & Kirchner, Arb. Muscav. 447 (1864).

*Sambucus nigra* f. *dissecta* K. Koch, Dendr. 2,1: 72 (1872), nom. altern.

*Sambucus nigra* f. *heterophylla* sensu Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 32 [1910?]. — Rehder, Man. Cult. Trees Shrubs, ed. 2, 828 (1940), vix Endlicher (1842).

*Sambucus nigra* *filifolia* Kache in Gartenschönh. 7: 238, fig. (1926).

**S. nigra** f. *rotundifolia* [D. C.] Dippel, Handb. Laubh. 1: 168 (1889). — Schwerin in op. cit. 31 [1910?].

*Sambucus rotundifolia* Loddiges ex Sweet, Hort. Brit. ed. 2, 257 (1830), nom.

- Sambucus nigra* e. *rotundifolia* De Candolle, Prodr. 4: 323 (1830).
- Sambucus nigra trifoliata* hort. ex Dippel, Handb. Laubh. 1: 168 (1889), pro syn.
- Sambucus nigra* var. *Mileri* Podpera in Oester. Bot. Zeitschr. 50: 215 (1900).
- Sambucus nigra* f. *subtrifoliata* Zabel in Beissner et al., Handb. Laubh.-Ben. 436 (1903), nom.
- S. nigra** f. *viridis* [West.] Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 29 [1910?].
- Sambucus nigra* 2. *viridis* Weston, Bot. Univ. 1: 266 (1770). — Aiton, Hort. Kew. 1: 374 (1789) "β."
- Sambucus virescens* Desfontaines, Hist. Arb. 1: 348 (1809).
- Sambucus nigra* β. *chlorocarpa* Hayne, Dendr. Fl. 39 (1822).
- Sambucus nigra* γ. *virescens* Sweet, Hort. Brit. 1: 194 (1826).
- S. nigra** f. *alba* (West.), grad. nov.
- Sambucus nigra* 3. *alba* Weston, Bot. Univ. 1: 266 (1770).
- Sambucus nigra* γ. *leucocarpa* Hayne, Dendr. Fl. 39 (1822).
- Sambucus nigra* η. *albida* Sweet, Hort. Brit. 1: 194 (1826).
- Sambucus alba* Rafinesque, Alsogr. Am. 48 (1838).
- Sambucus nigra fructa albo pellucida* [sic] Van Houtte, Cat. 263: 135 (1895).
- Sambucus nigra albo-pellucida* Van Houtte ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 29 [1910?], pro syn.
- S. nigra** f. *pyramidalis* [Jäg.] Dippel, Handb. Laubh. 1: 168 (1889).
- Sambucus nigra* var. *pyramidalis* Jäger, Ziergeh. 497 (1865). — Beckett in Aldenham House Gard. List Surpl. Pl. [1922?]: 14 [1922?]; [1929]: 44 [1929] "*S. n. p.*"
- Sambucus nigra* var. *stricta* Lavallée, Arb. Segrez. 132 (1877), nom.
- Sambucus pyramidata* Lebas in Rev. Hort. 1884: 398 (1884).
- Sambucus nigra* f. *pyramidata* (Lavallée) Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 30 [1910?]. — Schneider, Ill. Handb. Laubh. 2: 633 (1911) "var."
- Sambucus nigra fastigiata* Beckett in Aldenham House Gard. List Surpl. Pl. [1922?]: 21 [1922?], nom. — V. Gibbs in Kew Bull. 1929: 286, t. 12 (1929).
- S. nigra** f. *pendula* Dippel, Handb. Laubh. 1: 168 (1889). Schwerin, l. c. [1910?]. — Schneider, l. c. (1911) "var."
- Sambucus nigra pendula nova* Carrière in Rev. Hort. 1890: 503 (1890).
- S. nigra** × *racemosa* [Böcher in Bot. Tideskr. 45: 438 (1941) "Almind. Hyld & Druehyld"; nom. subnud. —] Winge in Compt. Rend. Trav. Lab. Carlsberg Sér. Physiol. 24: 73, fig. 3, 4 (1944).
- S. canadensis** Linnaeus, Sp. Pl. 269 (1753). — Gray, Syn. Fl. N. Am. 1,2: 9 (1884). — Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 35 [1910?].
- Sambucus Americana* W. Young, Cat. Arb. Arbust. Am. 22 (1783), nom.
- Sambucus nigra* sensu Marshall, Arbust. Am. 141 (1785), non Linnaeus (1753).
- Sambucus bipinnata* Moench, Meth. Pl. 506 (1794).
- Sambucus lucida* Tausch in Flora, 21,2: 737 (1838).
- Sambucus repens* Rafinesque, Alsogr. Am. 47 (1838).
- Sambucus glauca* sensu Gray, Pl. Wright. 2: 66 (Smithson. Inst. Contrib. Knowl. 4) (1853), non Nuttall (1842).
- Sambucus canadensis* var. *glabra* Schwerin in Mitt. Deutsch. Dendr. Ges. 1920(29): 215 (1920).
- Sambucus canadensis* f. *typica* Schwerin, l. c. (1920).
- S. canadensis** f. *rubra* Palmer & Steyermark in Ann. Missouri Bot. Gard. 25: 773 (1938).
- S. canadensis** f. *aurea* (Cowell), grad. nov.
- Sambucus canadensis* var. *aurea* Cowell in Bailey, Cycl. Am. Hort. [4]: 1610 (1902).
- Sambucus canadensis* f. *delicatissima* Schwerin in Mitt. Deutsch. Dendr. Ges. 1907(16): 256 [1908]; 1909(18): 36 [1910?].
- S. canadensis** f. *maxima* (Hesse) Schwerin in op. cit. 1909(18): 36 [1910?]. — Schneider, Ill. Handb. Laubh. 2: 635 (1911) "var."
- Sambucus pubens* var. *maxima* Hesse in Gartenfl. 47: 582 (1898).
- S. canadensis** f. *acutiloba* [Ellw. & Barry] Schwerin, l. c. [1910?]. — Rehder in Sargent, Trees & Shrubs, 2: 188 (1911).
- Sambucus canadensis acutiloba* Ellwanger & Barry, Novelt. 1902-4: [4] (1902). — [W. Robinson] in Flora & Sylva, 1: 151, fig. (1903).
- Sambucus canadensis* var. *laciniata* Cowell in Bailey, Cycl. Am. Hort. [4]: 1610 (1902), non Gray (1884) = *S. c.* var. *laciniata* Gray, Syn. Fl. N. Am. 1,2: 9 (1884). — Rehder in Sargent, Trees Shrubs, 2: 188 (1911).
- S. canadensis** f. *chlorocarpa* Rehder, l. c. (1911).
- S. canadensis** var. *submollis* Rehder, l. c. (1911).
- S. coerulea** Rafinesque, Alsogr. Am. 48 (1838) "*cerulea*" — Rydberg, Fl. Rocky Mts. 811 (1917). — McMinn, Ill. Man. Calif. Shrubs, 527, fig. 628 (1939).
- Sambucus glauca* Nuttall ex Torrey & Gray, Fl. N. Am. 2: 13 [1841]. — Gray, Syn. Fl. N. Am. 1,2: 9 (1884). — Sargent, Silva N. Am. 5: 91, t. 222 (1893).
- Sambucus Mexicana* sensu Newberry in U. S. (War Dept.) Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. 6,3 (Bot. Rep.): 75 (1857), non Presl ex De Candolle (1830).
- Sambucus decipiens* Jones in Bull. Biol. Ser. Univ. Montana, 15: 46 (1910).
- Sambucus ferax* Nelson in Bot. Gaz. 53: 225 (1912).
- Sambucus coerulea* var. *A. glabra* Schwerin in Mitt. Deutsch. Dendr. Ges. 1920(29): 218 (1920).
- Sambucus coerulea* f. *glauca* Schwerin, l. c. (1920).
- S. coerulea** var. *neomexicana* (Woot.) Rehder in Mitt. Deutsch. Dendr. Ges. 1915(24): 228 [1916] "*caerulea*."
- Sambucus intermedia* Carrière in Rev. Hort. 1876: 400 (1876). — Schneider, Ill. Handb. Laubh. 2: 635, fig. (1911).
- Sambucus angustifolia* May in Rev. Hort. 1878: 231 (1878), non Noronha (1790), nom.
- Sambucus neomexicana* Wootton in Bull. Torrey Bot. Club, 25: 309 (1898).
- ?*Sambucus Fontenaysii angustifolia* Vilmorin & Bois, Frutic. Vilmor. 147 (1904), nom.
- Sambucus glauca* var. *neomexicana* A. Nelson in Coulter & Nelson, Man. Bot. Rocky Mts. 469 (1909).
- Sambucus intermedia* f. *neomexicana* Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 38 [1910?].
- Sambucus glauca angustifolia* Zabel ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1920(29): 221 (1920), pro syn.
- S. coerulea** var. *velutina* (Durand) Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 37 [1910?]; 1920(29): 218 (1920) "*caerulea*."
- Sambucus velutina* Durand in Jour. Acad. Nat. Sci. Philad., ser. 2, 3: 39 (1855).
- Sambucus californica* Hort. ex K. Koch, Dendr. 2,1: 72 (1872).

**Sambucus coerulea** var. **velutina** (continued)

*Sambucus vestita* Wooton & Standley in Contrib. U. S. Nat. Herb. **16**: 175 (Fl. New Mex.) (1913).

*Sambucus glauca* var. *velutina* I. M. Johnston in Plant World, **22**: 118 (1919).

*Sambucus caerulea* f. *vestita* Schwerin in Mitt. Deutsch. Dendr. Ges. **1920**(29): 218 (1920).

*Sambucus tomentella* Heller in herb. ex Schwerin, l. c. (1920), pro syn.

*Sambucus neomexicana* var. *vestita* Kearney & Peebles in Jour. Washington Acad. Sci. **29**: 492 (1939).

**S. fontenaysii** [*S. coerulea* × *nigra*] Carrière in Rev. Hort. **1868**: 99 (1868).—K. Koch, Dendr. **2,1**: 73 (1872) "*Fontenayi*."

*Sambucus glauca* β. *fontenayensis* Koehne, Deutsche Dendr. 534 (1893).

Sect. II. OLMA (Raf.), grad. nov.

*Sambucus* subgen. *Olma* Rafinesque, Alsogr. Am. 47 (1838).

*Sambucus* sect. *Botrysambucus* Spach, Hist. Nat. Vég. Phan. **8**: 319 (1839).

*Sambucus* subgen. *Pygon* Bernhardt in Allg. Deutsch. Gart.- & Blumenzeit. **2**: 485 (1847).

**S. melanocarpa** Gray in Proc. Am. Acad. Arts Sci. **19**: 76 (1883); Syn. Fl. N. Am. **1,2**: 8 (1884).—St. John, Fl. Southeast. Washington, 394 (1937).

*Sambucus melanocarpa* f. *communis* Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 43 [1910?]; **1920**(29): 223 (1920) "var."

*Sambucus racemosa* var. *melanocarpa* McMinn, Ill. Man. Calif. Shrubs, 529 (1939).

**S. melanocarpa** f. **Fuerstenbergii** Schwerin, l. c. [1910?] "*Fürstenbergii*"; l. c. (1920) "var."

**S. microbotrys** Rydberg in Bull. Torrey Bot. Club, **28**: 503 (1901).

*Sambucus racemosa* var. *microbotrys* Kearney & Peebles in Jour. Washington Acad. Sci. **29**: 492 (1939).

**S. callicarpa** Greene, Fl. Francisc. **3**: 342 (1892).—Piper in Contrib. U. S. Nat. Herb. **11**: 531 (Fl. Washington) (1906), p. p.

*Sambucus racemosa* var. *callicarpa* Jepson, Fl. Middle Calif. 471 (1901); Man. Flow. Pl. Calif. 965, fig. 899 (1925).

*Sambucus callicarpa* f. *typica* Schwerin in Mitt. Deutsch. Dendr. Ges. **1920**(29): 226 (1920).

**S. racemosa** Linnaeus, Sp. Pl. 270 (1753).—Schneider, Ill. Handb. Laubh. **2**: 637, fig. 409d, 410a (1911).—Hegi, Ill. Fl. Mittel-Eur. **6,1**: 240 [1914].

?*Sambucus praecox* Bernhardt in Allg. Deutsch. Garten- & Blumenzeit. **2**: 488 (1847).

?*Sambucus suffruticosa* Bernhardt, l. c. (1847), pro syn.

*Sambucus racemosa* var. *glabra* Miquel, Cat. Mus. Bot. Lugd.-Bat. **1**: 56 (1870).—Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 48 [1910?] "subsp."

*Sambucus sylvestris* Bubani, Fl. Pyren. **2**: 329 (1900).

*Sambucus racemosa* var. *a. normalis* Schwerin, l. c. [1910?].

*Sambucus racemosa* subsp. *euracemosa* E. Wolf in Mitt. Deutsch. Dendr. Ges. **1923**(33): 32 (1923).

**S. racemosa** f. **plumosa** (Carr.) Voss, Vilmor. Blumen-gärt. **1**: 411 [1894].

*Sambucus racemosa plumosa* Späth ex Carrière in Rev. Hort. **1886**: 399 (1886).—André in Rev. Hort. **1889**:

358 (1889).—Schneider, Ill. Handb. Laubh. **2**: 638, fig. 410b (1911) "var."

*Sambucus plumosa* Carrière in Rev. Hort. **1891**: 408 (1891).

*Sambucus plumosa elegans* Carrière, l. c. (1891).

*Sambucus racemosa* (f.) *laciniata elegans* Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903).

*Sambucus racemosa* var. β. *incisa* Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 49 [1910?].

**S. racemosa** f. **plumoso-aurea** Schwerin, l. c. [1910?].

*Sambucus racemosa plumosa foliis aureis* Wezelenburg ex Rev. Hort. **1895**: 515 (1895).

*Sambucus racemosa serratifolia foliis aureis* Barbier, Nurs. Trade List, **1896-7**: 81 (1896).

*Sambucus racemosa serratifolia aurea* Barbier, Cat. **1908**: (1908).

**S. racemosa** f. **laciniata** (Koch) Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903).

*Sambucus racemosa* β. *laciniata* Koch in litt. ex De Candolle [in Lamarck & De Candolle], Fl. Franç. **6**: 500 (1815).—Koch, Syn. Fl. Germ. Helv. 324 (1837).

?*Sambucus plumosa laciniata* Carrière in Rev. Hort. **1891**: 408 (1891).

*Sambucus racemosa serratifolia* Behnisch ex Carrière in Rev. Hort. **1886**: 399 (1886).—Hort. ex Voss, Vilmor. Blumengärt. **1**: 411 [1894] "f."—Bean, Trees Shrubs Brit. Isl. **2**: 497 (1914) "var."

**S. racemosa** f. **tenuifolia** (Carr.) Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 49 [1910?].—Schneider, Ill. Handb. Laubh. **2**: 638 (1911) "var."

*Sambucus plumosa tenuifolia* Carrière in Rev. Hort. **1891**: 408 (1891).

*Sambucus racemosa* (f.) *laciniata tenuifolia* Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903).

**S. racemosa** f. **ornata** (Carr.) Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 49 [1910?].—Schneider, Ill. Handb. Laubh. **2**: 638 (1911) "var."

*Sambucus plumosa ornata* Carrière in Rev. Hort. **1891**: 408 (1891).

*Sambucus plumosa pteridifolia* Carrière, l. c. (1891).

*Sambucus racemosa* (f.) *laciniata ornata* et (f.) *laciniata pteridifolia* Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903).

**S. racemosa** f. **purpurea** (Sweet) Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 48 [1910?].

*Sambucus racemosa a. purpurea* Sweet, Hort. Brit. **1**: 194 (1826).

**S. racemosa** f. **flavescens** (Sweet) Schwerin in Mitt. Deutsch. Dendr. Ges. **1909**(18): 48 [1910?].

*Sambucus racemosa* β. *flavescens* Sweet, Hort. Brit. **1**: 192 (1826), nom. nud., in ed. 2 et 3 omisum.—Schneider, Ill. Handb. Laubh. **2**: 638 (1911) "var."

*Sambucus racemosa xanthocarpa* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903), pro syn.—Jeanpert in Bull. Soc. Bot. France, **62**: 297 [1916] "var."—Non Cockerell (1891); nec Matsumura & Nakai (1916), nom.

**S. kamtschatica** E. Wolf in Mitt. Deutsch. Dendr. Ges. **1923**(33): 34, fig. 1-3 (p. 32), fig. 1 (p. 33) (1923).

**S. pubens** Michaux, Fl. Bor.-Am. **1**: 181 (1803).—Torrey & Gray, Fl. N. Am. **2**: 13 [1841].—Rydberg, Fl. Rocky Mts. ed. 2, 811 [1923].

*Sambucus pubescens* Persoon, Syn. Pl. **1**: 328 (1805).

- Sambucus racemosa* sensu Hooker, Fl. Bor.-Am. 1: 279 [1834]. — Gray, Syn. Fl. N. Am. 1,2: 8 (1884). — Non Linnaeus (1753).
- Sambucus verrucosa* Rafinesque, Alsogr. Am. 49 (1838).
- Sambucus dimidiata* Rafinesque, l. c. (1838).
- ?*Sambucus rupestris* Rafinesque, op. cit. 50 (1838).
- Sambucus heptaphylla* Don ex Bernhardt in Allg. Deutsch. Gart.- & Blumenzeit. 2: 490 (1847), pro syn.
- Sambucus discolor* Carrière in Rev. Hort. 1868: 100 (1868).
- Sambucus racemosa* a. *pubescens* Dippel, Handb. Laubh. 1: 166 (1889).
- Sambucus racemosa* β. *pubens* Koehne, Deutsche Dendr. 532 (1893), non Trautvetter & Meyer (1856).
- Sambucus pubens* f. *dimidiata* Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 46 [1910?].
- Sambucus pubens* f. *verrucosa* Schwerin in op. cit. 47 [1910?].
- S. pubens** f. *dissecta* (Britt.) Schwerin in op. cit. 47 [1910?].
- Sambucus racemosa* var. *laciniata* sensu Gray, Syn. Fl. N. Am. 1,2: 8 (1884), non Koch ex De Candolle (1815).
- Sambucus pubens dissecta* Britton in Mem. Torrey Bot. Club, 5: 304 (1894).
- S. pubens** f. *rosaeiflora* (Carrière) Dansereau in Naturaliste Canad. 72: 142 (1945).
- Sambucus rosaeiflora* Carrière in Rev. Hort. 1869: 434, fig. (1869).
- Sambucus racemosa* b. *rosaeiflora* Dippel, Handb. Laubh. 1: 166 (1889). — Voss, Vilmorin, Blumengärt. 1: 411 [1894] "f."
- Sambucus pubens* (f.) *rosiflora* Zabel in Beissner et al., Handb. Laubh.-Ben. 438 (1903).
- S. pubens** f. *leucocarpa* (Torr. & Gr.) Schwerin, l. c. [1910?]. — Fernald in Rhodora, 35: 310 (1933).
- Sambucus pubens* β. *leucocarpa* Torrey & Gray, Fl. N. Am. 2: 13 [1841].
- Sambucus* (*pubens*) *S. leucocarpa* Bernhardt in Allg. Deutsch. Gart.- & Blumenzeit. 2: 490 (1847).
- Sambucus racemosa* f. *albicocca* Britton ex Millspaugh, Prelim. Cat. Fl. West Virginia (in Ann. Rep. West Virginia Agric. Sta.) 4: 374 (1892).
- Sambucus pubens* f. *albicocca* Britton ex Millspaugh, Liv. Fl. W. Virginia 360 (West Virginia Geol. Surv. I) (1913).
- Sambucus racemosa* f. *leucocarpa* House in New York State Mus. Bull. 243-4: 69 (1923).
- S. pubens** f. *xanthocarpa* (Cockerell), grad. nov.
- Sambucus racemosa* f. *xanthocarpa* Cockerell in Bull. Torrey Bot. Club, 18: 170 (1891). — Nieuwland in Am. Midland Nat. 3: 310 (1914) "var.", pro syn.
- Sambucus microbotrys xanthocarpa* Cockerell in Torrey, 4: 58 (1904).
- Sambucus pubens* var. *xanthocarpa* Nieuwland, l. c. (1914).
- Sambucus racemosa* f. *chrysocarpa* Eames & Godfrey in Rhodora, 18: 239 (1916).
- S. leiosperma** Leiberg in Proc. Biol. Soc. Washington, 11: 40 (1897). — Howell, Fl. Northwest Am. 1: 279 [1900].
- ?*Sambucus racemosa* β. Hooker, Fl. Bor.-Am. 1: 279 [1834].
- Sambucus pubens* β. *heptaphylla* G. Don, Gen. Hist. Dichlam. Pl. 3: 438 (1834).
- ?*Sambucus pubens* γ. *arborescens* Torrey & Gray, Fl. N. Am. 2: 13 [1841].
- Sambucus arborescens* Nuttall msc. ex Torrey & Gray, l. c. [1841], pro syn.; non Gilibert (1781).
- Sambucus pubescens* var. *heptaphylla* Hooker ex Mouillefert, Traité Arb. Arbriss. 2: 912 [1896].
- Sambucus pubescens* f. *dimidiata* Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 46 [1910?].
- Sambucus callicarpa* sensu Sargent, Man. Trees N. Am. 885, fig. 779 (1922), non Greene (1892).
- S. Sieboldiana** (Miq.) Graebner in Bot. Jahrb. 29: 584 (1901). — Schwerin in Mitt. Deutsch. Dendr. Ges. 1909(18): 50 [1910?]; 1920(29): 225, fig. (1920). — Nakai, Trees Shrubs Jap. rev. ed., 1: 570, fig. 257 (1927).
- Sambucus racemosa* var. β. *Sieboldiana* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 265 (Prol. Fl. Jap. 153) (1866).
- Sambucus Sieboldiana* Blume ex Miquel, l. c. (1866), pro syn.
- Sambucus racemosa* sensu Shirasawa, Icon. Ess. For. Jap. 2: 177, t. 74, fig. 1-8 (1907), non Linnaeus (1753).
- Sambucus Sieboldiana* var. *typica* Nakai in Bot. Mag. Tokyo, 31: 213 (1917).
- S. Sieboldiana** f. *xanthocarpa* (Nakai), grad. nov.
- Sambucus racemosa* var. *xanthocarpa* Matsumura & Nakai in Cat. Sem. & Spor. Hort. Bot. Univ. Tokyo, 1916: 29 (1916), nom.; non Cockerell (1891).
- Sambucus Sieboldiana* var. *xanthocarpa* Nakai in Tokyo Bot. Mag. 31: 213 (1916).
- S. Williamsii** Hance in Ann. Sci. Nat. sér. 5, 5: 217 (1866). — Hao in Liou, Fl. Ill. Nord Chine, 3: 17, t. 2 (1934).
- Sambucus racemosa* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 348 (1888), non Linnaeus (1753).
- Sambucus Williamsii* var. *typica* Nakai in Bot. Mag. Tokyo, 40: 476 (1926).
- Trib. II. VIBURNEAE Fritsch in Nat. Pflanzenfam. IV. 4: 163 [1891].
- Caprifoliaceae sect. *Sambuceae* Kunth in Humboldt, Bonpland, Kunth, Nov. Gen. Pl. 3: 427 (fol. ed. 333) (1818), p. p. quoad *Viburnum*.
- Caprifoliaceae sect. *Lonicereae* R. Brown in Abel, Narr. Jour. China, 376 (Char. Descr. Pl. 4) (1818), p. p. quoad *Triosteum*.
- Caprifoliaceae sect. *Sambucineae* Lindley, Introd. Syst. Nat. Bot. 207 (1830). [— A. Richard in Dict. Class. Hist. Nat. 3: 173 (1823) "Caprifoliacées †† Sambucineés"], p. p. quoad *Viburnum*.
- Viburnaceae Dumortier, Flora Belg. 54 (1827), *Sambucus* exclud.
- Viburneae Bartling, Ord. Nat. Pl. 214 (1830), *Sambucus* exclud.
- Dipsaceae 3. *Valerianeae* c. *Sambuceae* Reichenbach, Handb. Nat. Pflanzensyst. 178 (1837), p. p.
- Caprifoliaceae II. *Sambucoideae* Luerssen, Grundz. Bot. 321 (1877), p. p.
- Lonicereae subord. *Sambuceae* Endlicher, Gen. Pl. 569 [1838], p. p.
- Viburneae sect. I. *Viburnineae* Spach, Hist. Nat. Vég. Phan. 8: 305 (1839).
- Loniceraceae b. *Sambuceae* Horaninov, Char. Ess. Fam. Reg. Veg. 96 (1847), p. p.
- VIBURNUM** Linnaeus, Sp. Pl. 267 (1753); Gen. Pl. ed. 5, 129, no. 332 (1754). — Bentham & Hooker f., Gen. Pl. 2: 3 (1873).
- Tinus* Miller, Gard. Dict. abridg. ed. 4, 3 (1754). — Borkhausen in Arch. für Bot. (Roemer) 1,2: 20 (1797).
- Oreinothus* Ørsted in Vidensk. Meddel. Naturh. For.

**Viburnum** (continued)

- Kjøbenh. 12: 281, t. 6, fig. 11–25 (Viburni Gen. Adumb. 15. 1861) (1860).  
LECTOTYPUS: *V. Lantana* L.
- Sect. I. THYRSOSMA (Rafin.) Rehder in Sargent, Trees & Shrubs, 2: 108 (1908).  
*Viburnum* sect. *Solenotinus* De Candolle, Prodr. 4: 328 (1830), p. p. — Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 477 (in Mém. Biol. 10: 648) (1880) "sect. *Tinus* ser. S.", p. p. — Fritsch in Nat. Pflanzenfam. IV. 4: 164 [1891] "subgen.", p. p.  
*Thyrsosma* Rafinesque, Sylva Tellur. 130 (1838); Alsogr. Am. 51 (1838).  
*Microtinus* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 293, t. 6, fig. 7–10 (Viburni Gen. Adumb. 27. 1861) (1860).  
*Solenotinus* Ørsted in op. cit. 294, t. 6, fig. 1–4 (28. 1861) (1860).  
*Viburnum* sect. *Microtinus* Benth. & Hooker f., Gen. Pl. 2: 3 (1873). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 478 (in Mém. Biol. 10: 649) (1880) "sect. *Tinus* ser. M.", p. p. — Fritsch in Nat. Pflanzenfam. IV. 4: 164 [1891] "subgen."
- V. fragrans** Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 107 (Enum. Pl. Chin. Bor. 33. 1833) (1835). — Rehder in Sargent, Trees & Shrubs, 2: 106 (1908).  
*Lonocera* J. G. Gmelin, Fl. Sibir. 3: 135, t. 25 (1768), non Linnaeus (1753).
- V. grandiflorum** Wallich, Num. List, no. 434 [1829], nom. — De Candolle, Prodr. 4: 329 (1830). — Stapf in Bot. Mag. 150: t. 9063 (1925).  
*Viburnum nervosum* sensu Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 178 (1859). — Rehder in Sargent, Trees & Shrubs, 2: 106 (1908). — Non D. Don [1824], nec Hooker & Arnott (1841).  
*Solenotinus nervosus* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 295 (Viburni Gen. Adumb. 29. 1861) (1860).
- V. erubescens** Wallich, Pl. As. Rar. 2: 29, t. 134 (1830). — Rehder in op. cit. 107 (1908); in Jour. Arnold Arb. 16: 328 (1935).  
*Viburnum Wightianum* Wallich, l. c. (1830).  
*Viburnum pubigerum* Wight & Arnott, Prodr. Fl. Ind. 389 (1834).  
*Solenotinus erubescens* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 295 (Viburni Gen. Adumb. 29. 1861) (1860).  
*Viburnum botryoideum* Léveillé, Cat. Pl. Yun-Nan, 28 (1915).
- V. erubescens** var. *gracilipes* Rehder in Sargent, Pl. Wilson. 1: 107 (1911).
- V. Henryi** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 353 (1888); in Bot. Mag. 137: t. 8393 (1911).
- V. Sieboldii** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 267 (Prol. Fl. Jap. 155) (1866). — Rehder in Sargent, Pl. Wilson. 2: 107 (1908).
- V. Sieboldii** f. *reticulatum* (Rehd.), grad. nov.  
*Viburnum Sieboldii* var. *reticulatum* Rehder in Bailey, Cycl. Am. Hort. [4]: 1924 (1902).  
*Viburnum reticulatum* Hort. ex Rehder, l. c. (1902), pro syn.
- Sect. II. LANTANA Spach, Hist. Nat. Vég. Phan. 8: 309 (1839). — Fritsch in Nat. Pflanzenfam. IV. 4: 164 [1891].
- Viburnum* §. *Viburnum* Loudon, Arb. Brit. 2: 1033 (1838), p. p.  
*Viburnum* subgen. *Euviburnum* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 296 (Viburni Gen. Adumb. 30. 1861) (1860), p. p.  
*Viburnum* sect. *Gymnotinus* Nakai, Fl. Sylv. Kor. 11: 30 (1921), p. p.  
*Viburnum* sect. *Solenolantana* Nakai, op. cit. 29, 32 (1923).  
*Viburnum* subgen. *Viburnum* Zweig 2. *Lantanoides* Dippel, Handb. Laubh. 1: 184 (1889).
- V. Carlesii** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 350 (1888). — Rehder in Sargent, Trees & Shrubs, 2: 110 (1908). — Nakai, Fl. Sylv. Kor. 11: 33, t. 7, fig. a–f (1921).  
*Viburnum davuricum* sensu Nakai in Jour. Coll. Sci. Tokyo, 31: 285 (Fl. Kor. II) (1911), non Pallas (1788).
- V. Juddii** (*V. Carlesii* × *bitchiense*) Rehder in Jour. Arnold Arb. 16: 360 (1935).
- V. Burkwoodii** (*V. Carlesii* × *utile*) Burkwood & Skipwith [Cat.] Flow. Shrubs, 1929: 12, fig. (1929). — Anon. in Gard. Chron. ser. 3, 85: 285, fig. 148 (p. 291) (1929). — Bean, Trees Shrubs Brit. Isl. 3: 497 (1933).
- V. carlcephalum** (*V. Carlesii* × *macrocephalum* ♂) Burkwood ex Pike in Gard. Chron. ser. 3, 119: 217, fig. 96 (1946).
- V. bitchiense** Makino in Bot. Mag. Tokyo, 16: 156 (1902). — Bean, Trees Shrubs Brit. Isl. 3: 497, t. (1933).  
*Viburnum Carlesii* var. *bitchiense* Nakai in Bot. Mag. Tokyo, 28: (295) (1914); Fl. Sylv. Kor. 11: 33, t. 7, fig. g (1921); Trees Shrubs Jap. rev. ed., 1: 587, fig. 263 (1927).  
*Viburnum Carlesii* var. *syringiflora* Hutchinson in Kew Bull. 1919: 454 (1919).
- V. cotinifolium** D. Don, Prodr. Fl. Nepal. 141 (1825). — C. B. Clarke in Hooker f., Fl. Brit. Ind. 4: 3 (1880).  
*Viburnum polycarpum* Wallich, Num. List, no. 455 [1829], nom. — De Candolle, Prodr. 4: 328 (1830).  
*Viburnum multratum* Hort. ex K. Koch, Dendr. 2, 1: 54 (1872).
- V. Veitchii** C. H. Wright in Gard. Chron. ser. 3, 33: 257 (1903). — Rehder in Sargent, Pl. Wilson. 1: 109 (1911).
- V. buddleifolium** C. H. Wright, l. c. (1903).
- V. Lantana** Linnaeus, Sp. Pl. 268 (1753); ed. 2, 384 (1762). — Schneider, Ill. Handb. Laubh. 2: 659, fig. 224a–f (1911).  
*Viburnum tomentosum* Lamarck, Fl. Franç. 3: 363 (1778).
- V. Lantana** f. *variegatum* (West.), grad. nov.  
*Viburnum Lantana* 3. *variegatum* Weston, Bot. Univ. 1: 308 (1770).  
? *Viburnum Lantana* (f.) *aureo-variegatum* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 442 (1903), nom.
- V. Lantana** var. *rugosum* Lange in Ind. Sem. Hort. Haun. 1859(app.): 4 (1859).
- V. Lantana** var. *discolor* Huter Exsicc. ex Huter in Oester. Bot. Zeitschr. 55: 400 (1905). — Schneider, Ill. Handb. Laubh. 2: 659, fig. 419n–o (1911).  
*Viburnum maculatum* Pantocsek in Oester. Bot. Zeitschr. 23: 266 (1873).
- V. schensianum** Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 480 (in Mém. Biol. 10: 653) (1880). — Rehder in



- Sargent, Trees & Shrubs, 2: 85, t. 140 (1908) "*shensianum*."
- Viburnum Dielsii* Gräbner in Bot. Jahrb. 29: 588 (1900).
- Viburnum Giraldui* Gräbner in op. cit. 36, Beibl. 82: 99 (1905).
- V. burejaeticum** Regel & Herder in Gartenfl. 11: 407, t. 384 (1862). — Nakai, Fl. Sylv. Kor. 11: 31, t. 6 (1921).
- Viburnum davuricum* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 135 (Prim. Fl. Amur.) (1859), non Pallas (1788).
- Viburnum burejanum* Herder in Bull. Soc. Nat. Moscou, 53, 1: 11 (Pl. Radd. Addit.) (1878).
- Viburnum arcuatum* Komarov in Act. Hort. Petrop. 18: 427 (1901).
- V. mongolicum** (Pall.) Rehder in Sargent, Trees & Shrubs, 2: 111 (1908). — Hao in Liou, Fl. Ill. Nord Chine, 3: 73, t. 29 (1934).
- Lonicera mongolica* Pallas, Reise Russ. Reich. 3: 721 (1771) exclud. syn. Gmelin; Fl. Ross. 1: 59, t. 38 (1784) "*L. davurica*" in t.
- Viburnum davuricum* Pallas, Fl. Ross. 2: 30 (1788). — De Candolle, Prodr. 4: 328 (1830) "*dahuricum*." — Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 481 (in Mém. Biol. 10: 654) (1880). — Dippel, Handb. Laubh. 1: 198, fig. 126 (1889) "*dahuricum*."
- Lonicera davurica* Pallas ex Sievers in Pallas, Neue Nord. Beytr. 7: 198 (1796), nom.
- V. urceolatum** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. 4, 3: 172 (Fl. Jap. Fam. Nat. 2: 48) (1846). — Rehder in Sargent, Trees & Shrubs, 2: 87, t. 141 (1908).
- V. utile** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 356 (1888). — Rehder in op. cit. 89, t. 142 (1908).
- Viburnum cotinifolium* sensu Hance in Jour. Bot. 20: 6 (1882), non D. Don [1824].
- V. rhytidophyllum** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 355 (1888). — Rehder in Sargent, Trees & Shrubs, 2: 39, t. 118 (1907).
- V. rhytidophyllum f. roseum** (Gard. Chron.), grad. nov.
- Viburnum rhytidophyllum roseum* Anon. in Gard. Chron. ser. 3, 104: 171, t. (1938).
- V. rhytidophylloides** (*V. Lantana* × *rhytidophyllum*) Suringar in Nederl. Dendr. Vereen. Jaarb. 3: 140 (1927); 4: 110, fig. (1928).
- V. rhytidocarpum** (*V. buddleifolium* × *rhytidophyllum*) Lemoine, [Cat.] no. 210: 15 (1936). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 835 (1940).
- V. macrocephalum** Fortune in Jour. Hort. Soc. Lond. 2: 244 (1847). — Koch, Dendr. 2, 1: 57 (1872).
- Viburnum macrocephalum* a. sterile Dippel, Handb. Laubh. 1: 178 (1889). — Zabel in Beissner et al., Handb. Laubh.-Ben. 443 (1903) "f."
- Viburnum Keteleeri macrocephalum* Carrière in Rev. Hort. 1863: 271 (1863).
- Viburnum Fortunei* hort. ex Nicholson, Ill. Dict. Gard. 4: 155 [1887], pro syn.
- V. macrocephalum f. Keteleeri** (Carr.), grad. nov.
- Viburnum Keteleeri* Carrière in Rev. Hort. 1863: 269, fig. 31 (1863).
- Viburnum arborescens* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 349 (1888).
- Viburnum macrocephalum Keteleeri* Nicholson, Ill. Dict. Gard. 4: 155, fig. 168 [1887].
- Sect. III. PSEUDOTINUS C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 6 (1880).
- Viburnum* subgen. *Eu viburnum* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 296 (*Viburni* Gen. Adumb. 30. 1861) (1860), p. p.
- Viburnum* sect. *Viburnum* ser. *Lantana* Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 482 (in Mém. Biol. 10: 655) (1880), p. p.
- V. lantanoides** Michaux, Fl. Bor.-Am. 1: 179 (1803). — Persoon, Syn. Pl. 1: 327 (1805). — Gray, Man. Bot. N. U. S. 175 (1848); Syn. Fl. N. Am. 1, 2: 9 (1884). — Watson & Coulter in Gray, Man. Bot. N. U. S. ed. 6, 217 (1890). — Mackenzie in Torrey, 27: 83 (1927). — Suringar in Mitt. Deutsch. Dendr. Ges. 1931(43): 216 [1932].
- ?*Viburnum americanum* Miller, Gard. Dict. ed. 8, V. no. 8 (1768), p. p. quoad fruct.?
- Viburnum Lantana* var. *latifolium* C. F. Ludwig, Neu. Wilde Baumz. 55 (1783), nom.
- ?*Viburnum alnifolium* Marshall, Arbust. Am. 162 (1785), p. p. quoad fruct.? — Britton & Brown, Ill. Fl. N. U. S. 3: 229, fig. 3435 (1898). — Rehder in Bailey, Cycl. Am. Hort. [4]: 1925 (1902). — Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 759 (1908). — Milne-Redhead in Bot. Mag. 157: t. 9373 (1934).
- Viburnum Lantana* β. *grandifolium* Aiton, Hort. Kew. 1: 372 (1789); ed. 2, 2: 168 (1811), sphalm. "*grandiflorum*."
- Viburnum Lantana* β. *canadensis* Persoon, Syn. Pl. 1: 327 (1805). — Desfontaines, Arb. Arbriss. 1: 345 (1809) "*V. L. c.*" — Dumont de Courset, Bot. Cult. ed. 2, 4: 342 (1811) "var."
- Viburnum grandifolium* Smith in Rees, Cyclop. 37: V. no. 142 [1817].
- V. lantanoides f. praecox** (Kache) Rehder in Jour. Arnold Arb. 28: 445 (1947).
- Viburnum lantanoides praecox* Kache in Gartenwelt, 16: 496, 2 fig. (1912, Sept.).
- Viburnum alnifolium* (f.) *praecox* Hesse in Mitt. Deutsch. Dendr. Ges. 1912(21): 371 [1913] "(f.)". — Rehder in Bailey, Stand. Cycl. Hort. 6: 3461 (1917) "var."
- V. furcatum** Blume ex Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 483 (in Mém. Biol. 10: 657) (1880), exclud. syn. *V. cordifolium*. — Rehder in Sargent, Trees & Shrubs, 2: 41, t. 119 (1907). — Nakai, Fl. Sylv. Kor. 11: 37, t. 9 (1921).
- Viburnum plicatum* sensu Gray in Perry, Narr. Exped. China Jap. 2: 313 (1856), exclud. syn. — Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2: 142 (Reis. Amur. Sachal.) (1868). — Non Thunberg (1794).
- Viburnum dilatatum* var. Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 393 (Diagn. Char. Pl. Jap. [Bot. Jap.]) [1859] "radiate var."
- Viburnum lantanoides* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 265 (Prol. Fl. Jap. 153) (1866), non Michaux (1803).
- Viburnum furcatum* Blume ex Miquel, l. c. (1866), pro syn. sub *V. lantanoides*.
- Viburnum dilatatum* var. *radiata* Gray ex Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 483 (in Mém. Biol. 10: 657) (1880), pro syn.
- Viburnum melanophyllum* Hayata, Icon. Pl. Formos. 4: 13, t. 2 (1914); 9: 43 (1920).
- V. sympodiale** Graebner in Bot. Jahrb. 29: 587 (1901). — Rehder in Jour. Arnold Arb. 16: 329 (1935).

**Viburnum sympodiale** (*continued*)

*Viburnum Martini* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 443 (1911).

**V. cordifolium** Wallich, Num. List, no. 462 [1829], nom. — De Candolle, Prodr. 4: 327 (1830). — Rehder in Sargent, Trees & Shrubs, 2: 81, t. 138 (1908).

*Viburnum furcatum* Blume sensu Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 175 (1858), pro syn. sub *V. cordifolium* Wall., non Blume. — Cf. Rehder in Sargent, Trees & Shrubs, 2: 41 (1907), in nota.

Sect. IV. PSEUDOPULUS (Dipp.) Rehder, Man. Cult. Trees Shrubs, 803 (1927).

*Viburnum* subgen. *Euviburnum* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 298 (Viburni Gen. Adumb. 32. 1861) (1860), p. p.

*Viburnum* Untergatt. *Opulus* Zweig *Pseudopulus* Dippel, Handb. Laubh. 1: 174 (1889).

*Viburnum* sect. *Tomentosi* Nakai in Jour. Coll. Sci. Tokyo, 42, 2: 27 (Tent. Syst. Caprifol. Jap.) (1921).

**V. plicatum** Thunberg in Trans. Linn. Soc. Lond. 2: 332 (1794). — De Candolle, Prodr. 4: 329 (1830). — Siebold & Zuccarini, Fl. Jap. 1: 81, t. 37 [1941]. — Lindley in Bot. Reg. 33: t. 51 (1847). — Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 298 (Viburni Gen. Adumb. 32) (1860). — Rehder in Jour. Arnold Arb. 26: 77 (1945), in textu.

*Viburnum plicatum* var. *dilatata* Lindley in Paxton's Flow. Gard. 1: 147, t. 29 (1851).

*Viburnum plicatum* δ. *plenum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 266 (Prol. Fl. Jap. 154) (1866). — Franchet & Savatier, Enum. Pl. Jap. 1: 200 (1875) "*γ. pl.*"

*Viburnum tomentosum γ. plicatum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 486 (in Mém. Biol. 10: 662) (1880).

*Viburnum tomentosum β. sterile* K. Koch, Hort. Dendr. 301 (1853). — Zabel in Beissner et al., Handb. Laubh.-Ben. 441 (1903) "(f.)". — Hara in Jour. Jap. Bot. 16: 257 (1940) "f."

*Viburnum tomentosum* var. *rotundifolium* Hort. ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1925 (1902); in Sargent, Trees & Shrubs, 2: 109 (1908) "f."

*Viburnum tomentosum sterile grandiflorum* Hesse, Preisverz. 1902: ? (1902); 1908-09: 140 (1908).

*Viburnum tomentosum f. plenum* Rehder in Sargent, Trees & Shrubs, 2: 108 (1908).

*Viburnum plicatum f. rotundifolium* (Rehd.) Rehder in Jour. Arnold Arb. 26: 78 (1945).

**V. plicatum f. tomentosum** (Thunb.) Rehder in Jour. Arnold Arb. 26: 77 (1945).

*Viburnum dentatum* sensu Thunberg, Fl. Jap. 122 (1784), non Linnaeus (1753).

*Viburnum tomentosum* Thunberg, Fl. Jap. 123 (1784). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 486 (in Mém. Biol. 10: 662) (1880) "*a forma typica.*" — Sargent in Gard. & For. 4: 593, fig. 93, 94 (1891). — Rehder in Sargent, Trees & Shrubs, 2: 108 (1908), exclud. syn. *V. plicatum* Schmidt and *V. dilatatum* var. Gray. — Non Lamarck (1778).

*Viburnum plicatum γ. tomentosum* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 266 (Prol. Fl. Jap. 154) (1866). — Franchet & Savatier, Enum. Pl. Jap. 1: 199 (1875) "*a. t.*"

*Actinotinus sinensis* Oliver in Hooker's Icon. Pl. 18: 1740 (1887); 19: note inserted before t. 1851 (1889, June). — Hemsley in Gard. & For. 2: 124 (1889, March 13). —

Rehder in Jour. Arnold Arb. 28: (1947). — NOM. CONFUS.: quoad flor.; quoad fol. vide sub "*Aesculus Wilsoni* Rehd."

*Viburnum tomentosum* (f.) *typicum* Zabel in Beissner et al., Handb. Laubh.-Ben. 441 (1903).

**V. plicatum f. Mariesii** (Veitch) Rehder in Jour. Arnold Arb. 26: 78 (1945).

*Viburnum tomentosum Mariesii* Veitch in Jour. Hort. Soc. Lond. 27: 860, fig. 195 (1902) "var." in fig.

**V. plicatum f. lanceatum** (Rehd.), grad. nov.

*Viburnum tomentosum* var. *lanceatum* Rehder in Sargent, Trees & Shrubs, 2: 109 (1908).

*Viburnum plicatum* var. *lanceatum* Rehder in Jour. Arnold Arb. 26: 78 (1945).

**V. plicatum f. roseum** (Doney), comb. nov.

*Viburnum tomentosum f. roseum* Doney in Brooklyn Bot. Gard. Rec. 30: 27 (1941, Jan.), nom.; in Torrey, 41: 55 (1941, Apr.).

**V. plicatum f. parvifolium** (Miquel), grad. nov.

*Viburnum cuspidatum* sensu Siebold & Zuccarini in Abh. Math. Phys. Cl. Akad. Wiss. Münch. 4, 3: 171 (Fl. Jap. Fam. Nat. 2: 47) (1846), non Thunberg (1784).

*Viburnum plicatum* var. *β. parvifolium* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 266 (Prol. Fl. Jap. 154) (1866). — Franchet & Savatier, Enum. Pl. Jap. 1: 199 (1875) "*β. p.*"

*Viburnum tomentosum β. cuspidatum* Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 486 (in Mém. Biol. 10: 662) (1880), non *V. cuspidatum* Thunb. (1784). — Zabel in Beissner et al., Handb. Laubh.-Ben. 441 (1903) "(f.)".

*Viburnum tomentosum* var. *parvifolium* Rehder in Sargent, Trees & Shrubs, 2: 109 (1908), exclud. syn. *V. cuspidatum* Thunb.

**V. plicatum f. glabrum** (Nakai), comb. nov.

*Viburnum tomentosum* var. *glabrum* Koidzumi in sched. ex Nakai in Jour. Coll. Sci. Tokyo, 42, 2: 29 (Tent. Syst. Caprifol. Jap.) (1921). — Nakai, Trees Shrubs Jap. 1: 598 (1927).

Sect. V. LENTAGO [Raf.] De Candolle, Prodr. 4: 324 (1830).

*Viburnum* subgen. *Lentago* Rafinesque, Fl. Ludovic. 78, in textu (1817), nom. subnud.; Alsogr. Am. 51 (1838). — Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 300 (Viburni Gen. Adumb. 34. 1861) (1860) "subgen.", exclud. §. 1.

*Lentago* Rafinesque in Ann. Gén. Sci. Phys. 5: 351 (1820) "gen. vel subgen. vel sect." — Reichenbach, Consp. Reg. Veg. 92 (1828).

*Viburnum* sect. *Tinus* Koehne, Deutsche Dendr. 534 (1893), p. p.

**V. nudum** Linnaeus, Sp. Pl. 268 (1753). — Gray, Syn. Fl. N. Am. 1, 2: 11 (1884).

*Viburnum puniceifolium* Desfontaines, Hist. Arb. Arbriss. 1: 345 (1809).

*Viburnum laurifolium* Rafinesque, Alsogr. Am. 52 (1838).

*Viburnum nudum* var. *Claytoni* Torrey & Gray, Fl. N. Am. 2: 14 [1841].

**V. nudum** var. *angustifolium* Torrey & Gray, l. c. [1841]. — Gray, Syn. Fl. N. Am. 1, 2: 12 (1884).

*Viburnum nitidum* Aiton, Hort. Kew. 1: 371 (1789).

*Viburnum oleaefolium* Tausch in Flora, 21, 2: 733 (1838).

*Viburnum nudum β. nitidum* Zabel in Gartenfl. 38: 463 (1889).

*Viburnum anglicum* hort. ex Zabel, l. c. (1889), pro syn.

- V. cassinoides** Linnaeus, Sp. Pl. ed. 2, 2: 384 (1762), exclud. syn. nonnull. — Gray, Syn. Fl. N. Am. 1,2: 11 (1884).  
*Viburnum squamatum* Willdenow, Enum. Pl. Hort. Berol. 1: 327 (1809).  
*Viburnum pyrifolium* sensu Pursh, Fl. Am. Sept. 1: 201 (1814), non Poiret (1808).  
*Viburnum nudum* sensu Hooker, Fl. Bor.-Am. 1: 279 [1834], non Linnaeus (1753).  
*Viburnum nudum* var. *cassinoides* Torrey & Gray, Fl. N. Am. 2: 16 [1841].
- V. Lentago** Linnaeus, Sp. Pl. 268 (1753). — Gray, Syn. Fl. N. Am. 1,2: 12 (1884). — Sargent, Silva N. Am. 5: 96, t. 223-4 (1893).  
*Viburnum lentagoides* Rafinesque in Med. Repos. New York, hex. 2,5: 354 (1808).  
*Viburnum pyrifolium* sensu Bigelow, Fl. Boston. ed. 2, 116 (1824), non Poiret (1808).  
*Viburnum ferrugineum* Rafinesque, Alsogr. Am. 52 (1838).  
*Viburnum rotundifolium* Rafinesque, op. cit. 54 (1838).  
*Viburnum longifolium* Rafinesque, op. cit. 56 (1838).  
*Viburnum pyrifolium* var. *pennsylvanicum* Sm. ex Rafinesque, l. c. (1838), pro syn.  
*Viburnum acuminatum* Hort. ex Schneider, Ill. Handb. Laubh. 2: 656 (1911), pro syn.
- V. Lentago f. sphaerocarpum** (Fern.), grad. nov.  
*Viburnum Lentago* var. *sphaerocarpum* Gray ex Fernald in Rhodora, 10: 86 (1908).
- V. Vetteri** (*V. Lentago* × *nudum*) Zabel in Gartenfl. 38: 462 (1889).
- V. Jackii** (*V. Lentago* × *prunifolium*) Rehder in Jour. Arnold Arb. 2: 125 (1920).
- V. rufidulum** Rafinesque, Alsogr. Am. 56 (1838). — Sargent, Silva N. Am. 14: 23 t. 710 (1902).  
*Viburnum prunifolium* β. *ferrugineum* Torrey & Gray, Fl. N. Am. 2: 15 [1841].  
*Viburnum prunifolium* sensu Chapman, Fl. South. U. S. 171 (1860). — Sargent, Silva N. Am. 5: 99, t. 225, fig. 11 (1893), p. p. — Non Linnaeus (1753).  
*Viburnum ferrugineum* Small in Mem. Torrey Bot. Club, 4: 143, t. 78 (1894), non Rafinesque (1838), nec Donn. Smith (1889).  
*Viburnum refotomentosum* Small in Bull. Torrey Bot. Club, 23: 410 (1896).
- V. prunifolium** Linnaeus, Sp. Pl. 268 (1753). — Gray, Syn. Fl. N. Am. 1,2: 12 (1884). — Sargent, Silva N. Am. 5: 99, t. 225 (1893), exclud. fig. 11.  
*Viburnum Lentago* sensu Du Roi, Harbk. Baumz. 2: 485 (1772). — Moench, Verz. Ausl. Bäume Weissenst. 140, t. 8 (1785). — Non Linnaeus (1753).  
*Viburnum pyrifolium* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 35 [1782], nom. — C. F. Ludwig, Neu. Wilde Baumz. 55 (1783), nom. — Poiret, Encycl. Méth. Bot. 8: 653 (1808).  
*Viburnum amblodes* Rafinesque, Alsogr. Am. 55 (1838).  
*Viburnum Lentago* var. *pyrifolium* Chapman, Fl. South U. S. ed. 3, 189 (1897).
- V. prunifolium** var. *Bushii* Palmer & Steyermark in Ann. Missouri Bot. Gard. 22: 651 (Annot. Cat. Flow. Pl. Missouri) (1935).  
*Viburnum Bushii* Ashe in Jour. Elisha Mitchell Sic. Soc. 40: 48 (1924).
- Sect. vi. **TINUS** [Borkh.] Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 475 (in Mém. Biol. 10: 648) (1880), quoad ser. *Tinus*. — Rehder in Sargent, Trees & Shrubs, 2: 112 (1908).  
*Tinus* Miller, Gard. Dict. abridg. ed. 4, 3 (1754). — Borkhausen in Arch. für Bot. (Roemer) 1,2: 20 (1797). — Ørsted in Vidensk. Meddel. Naturh. For. Kjöbenh. 12: 303 (Viburni Gen. Adumb. 37. 1861) (1860). — Non Linnaeus (1759).  
*Viburnum-tinus* Weston, Bot. Univ. 1: 308 (1770), nom. subnud.
- V. Davidi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 8: 251 (Pl. David. 2: 69. 1888) (1886). — Stapf in Bot. Mag. 149: t. 8980 (1923) "*Davidü*."
- V. cinnamomifolium** Rehder in Sargent, Trees & Shrubs, 2: 31, t. 114 (1908).
- V. propinquum** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 355 (1888). — Rehder in op. cit. 33, t. 115 (1908).
- V. Harryanum** Rehder in Mitt. Deutsch. Dendr. Ges. 1913(22): 263 [1914]; Man. Cult. Trees Shrubs, 805 (1927). — Chun in Sunyatsenia, 4: 261, fig. 46 (1940).
- V. calvum** Rehder in Sargent, Pl. Wilson. 1: 310 (1912).  
*Viburnum Schneiderianum* Handel-Mazzetti in Anzeig. Mat.-Nat. Kl. Akad. Wiss. Wien, 62: 66 (Pl. Nov. Sin. Forts. 33: 4) (1925).
- Sect. vii. **MEGALOTINUS** (Maxim.) Rehder in Sargent, Trees & Shrubs, 2: 112 (1908).  
*Viburnum* subgen. *Euviburnum* sect. 2. Ørsted in Vidensk. Meddel. Naturh. For. Kjöbenh. 12: 300 (Viburni Gen. Adumb. 34. 1861) (1860), p. p.  
*Viburnum* sect. *Tinus* ser. *Megalotinus* Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 479 (in Mém. Biol. 10: 651) (1880), exclud. sp. nonnull.
- V. cylindricum** Hamilton ex D. Don, Prodr. Fl. Nepal. 142 [1824]. — Rehder in Sargent, Trees & Shrubs, 2: 91, t. 143 (1908).  
*Viburnum coriaceum* Blume, Bijdr. Fl. Nederl. Ind. 656 (1825). — Koorders & Valetton, Bijdr. Boomsort. Java, 5: 38 (1900).
- Sect. viii. **ODONTOTINUS** Rehder in Sargent, Trees & Shrubs, 2: 113 (1908). — Nakai, Trees Shrubs Jap., rev. ed., 1: 599 (1927).  
*Viburnum* sect. *Lentago* De Candolle, Prodr. 4: 324 (1830), p. p.  
*Viburnum* subgen. *Euviburnum* Ørsted in Vidensk. Meddel. Naturh. For. Kjöbenh. 12: 296 (Viburni Gen. Adumb. 30. 1861) (1860), p. p.  
*Viburnum* subgen. *Lentago* Ørsted in op. cit. 300 (34. 1861) (1860), p. p.  
*Viburnum* sect. *Tinus* ser. *Megalotinus* Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 479 (in Mém. Biol. 10: 651) (1880), p. p. quoad *V. sempervirens* K. Koch.  
*Viburnum* sect. *Viburnum* ser. *Dilatata* Maximowicz in op. cit. 487 (663) (1880).  
*Viburnum* sect. *Viburnum* ser. *Opulus* Maximowicz in op. cit. 491 (668) (1880), p. p. max.  
*Viburnum* sect. *Opulus* Maximowicz in op. cit. 491 (668) (1880), p. p.  
*Viburnum* subgen. *Viburnum* Zweig *Opuloides* Dippel, Handb. Laubh. 1: 179 (1889), p. p.
- V. japonicum** (Thunb.) Sprengel, Syst. Veg. 1: 934 (1825). — Rehder in Sargent, Trees & Shrubs, 2: 114 (1908).

**Viburnum japonicum** (*continued*)

- Cornus japonica* Thunberg, Fl. Jap. 63 (1784).  
*Viburnum macrophyllum* sensu Van Hall in Ann. Hort. Bot. Pays-Bas, 2: 97 (1859), non Thunberg (1784).  
*Viburnum Buergeri* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 268 (Prol. Fl. Jap. 156) (1866).
- V. foetidum** Wallich, Pl. As. Rar. 1: 49, t. 61 (1830). — Rehder in Sargent, Trees & Shrubs, 2: 114 (1908), exclud. syn. Franchet et syn. C. H. Wright.  
*Viburnum premnaceum* Wallich, Num. List, no. 461 [1829], nom. — De Candolle, Prodr. 4: 325 (1830).  
*Viburnum Jacquemontii* Planchon, Hort. Donat. 29 (1854).  
*Viburnum foetidum* var. *β. premnaceum* Ørsted in Vidensk. Meddel. Naturh. For. Kjøbenh. 12: 298 (Viburni Gen. Adumb. 32. 1861) (1860).
- V. foetidum** var. *rectangulatum* (Gräbn.) Rehder in Sargent, Trees & Shrubs, 2: 114 (1908), sphalm. "*rectangulum*"; in Jour. Arnold Arb. 16: 331 (1935). — Nakai in Jour. Coll. Sci. Tokyo, 42, 2: 48 (Tent. Syst. Caprifol. Jap.) (1921).  
*Viburnum pallidum* Franchet in Jour. de Bot. 10: 308 (1896).  
*Viburnum rectangulatum* Graebner in Bot. Jahrb. 29: 588 (1900).  
*Viburnum Touchanense* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 442 (1911).  
*Viburnum rectangulare* Graebner ex Hayata in Jour. Coll. Sci. Tokyo, 301: 135 (Mat. Fl. Formosa) (1911).  
*Hedyotis yunnanensis* Léveillé in op. cit. 13: 176 (1914).  
*Oldenlandia yunnanensis* Chun in Sunyatsenia, 1: 310 (1934).  
*Viburnum foetidum* var. *penninervium* Handel-Mazzetti, Symb. Sin. 7: 1038 (1936).
- V. foetidum** var. *ceanothoides* (C. H. Wright) Handel-Mazzetti, Symb. Sin. 7: 1038 (1936).  
*Viburnum foetidum* sensu Rehder in Sargent, Pl. Wilson. 1: 111 (1911); in Jour. Arnold Arb. 16: 331 (1935); non Wallich (1830).  
*Viburnum ajugifolium* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 441 (1911).  
*Premna Valbrayi* Léveillé, Sert. Yunnan. 4 (1916).
- V. setigerum** Hance in Jour. Bot. 20: 261 (1882). — Rehder in Jour. Arnold Arb. 12: 77 (1931). — L. C. C[hadwick] in Am. Nurseryman, 78, 12: 10, fig. (1943).  
*Viburnum phlebotrichum* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 354 (1888), non Siebold & Zuccarini (1846).  
*Viburnum theiferum* Rehder in Sargent, Trees & Shrubs, 2: 45, t. 121 (1907).  
*Viburnum Bodinieri* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 442 (1911).
- V. setigerum** f. *aurantiacum* Rehder in Jour. Arnold Arb. 12: 78 (1931).
- V. phlebotrichum** Siebold & Zuccarini in Abh. Phys.-Math. Cl. Akad. Wiss. Münch. 4, 3: 173 (Fl. Jap. Fam. Nat. 2: 49) (1846). — Rehder in Sargent, Trees & Shrubs, 2: 43, t. 120 (1907).
- V. Wrightii** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 267 (Prol. Fl. Jap. 155) (1866). — Rehder in op. cit. 1: 37, t. 19 (1902). — Teuscher in Addisonia, 17: 47, t. 568 (1932).
- V. Wrightii** var. *Hessei* (Koehne) Rehder in Bailey, Stand. Cycl. Hort. 6: 3461 (1917).

*Viburnum Hessei* Koehne in Gartenfl. 58: 89, fig. 6 (1909); in Repert. Sp. Nov. Reg. Veg. 8: 492 (1910).

- V. dilatatum** Thunberg, Fl. Jap. 124 (1784). — Rehder in Sargent, Trees & Shrubs, 2: 114 (1908). — Nakai, Fl. Sylv. Kor. 11: 38, t. 10 (1921).  
*Viburnum erosum* sensu Gray in Perry, Narr. Exped. China Jap. 2: 313 (1856), non Thunberg (1784).  
*Viburnum dilatatum* (var. *nudiusculum*) Gray in Mem. Am. Acad. Arts Sci. n. ser., 6: 393 (Diagn. Char. Pl. Jap.) (1859).  
*Viburnum Sieboldii* sensu Nakai, Saichu-to Kwanto Shokubutsu [Veg. Isl. Quelpaert], 84 (1914), non Miquel (1866).
- V. dilatatum** f. *xanthocarpum* Rehder in Jour. Arnold Arb. 3: 51 (1922).
- V. corylifolium** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 174 (1858). — C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 3 (1880). — Rehder in Jour. Arnold Arb. 16: 332 (1935).  
*Viburnum Dunnianum* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 442 (1911).  
*Viburnum barbigerum* Léveillé, Fl. Kouy-Tchéou, 65 (1914).
- V. Wilsonii** Rehder in Sargent, Trees & Shrubs, 2: 115 (1908); in Repert. Sp. Nov. Reg. Veg. 9: 184 (1911); in Sargent, Pl. Wilson. 1: 112 (1911).
- V. betulifolium** Batalin in Act. Hort. Petrop. 13: 371 (1894). — Rehder in Sargent, Trees & Shrubs, 2: 99, t. 147 (1908).  
*Viburnum Willeaum* Gräbner in Bot. Jahrb. 29: 589 (1900).  
*?Viburnum Farreri* F. C. Stern ex Anon. in Gard. Chron. ser. 3, 116: 143, fig. 74 (p. 150) (1944), nom. subnud.
- V. lobophyllum** Gräbner, l. c. (1900). — Rehder in op. cit. 101, t. 148 (1908).
- V. ovatifolium** Rehder in op. cit. 115 (1908).
- V. dasyanthum** Rehder in op. cit. 103, t. 149 (1908); in Repert. Sp. Nov. Reg. Veg. 9: 185 (1911).
- V. hupehense** Rehder in op. cit. 116 (1908); in op. cit. l. c. (1911).
- V. erosum** Thunberg, Fl. Jap. 124 (1784). — Nakai, Fl. Sylv. Kor. 11: 41, t. 12a-c (1911), exclud. syn. *V. Taquetii* et fig. c, d.  
*Viburnum erosum* a. *punctata* et *β. furcipila* Franchet & Savatier, Enum. Pl. Jap. 2: 380 [1878].
- V. erosum** var. *Taquetii* (Lévl.) Rehder in Sargent, Pl. Wilson. 1: 311 (1912).  
*Viburnum Taquetii* Léveillé in Repert. Sp. Nov. Reg. Veg. 9: 443 (1911).  
*Viburnum erosum* sensu Nakai, Saichu-to Kwanto Shokubutsu [Veg. Isl. Quelpaert] 84 (1914), nom.; Fl. Sylv. Kor. 11: 42, t. 12, c, d. (1921), quoad syn. *V. Taquetii* et fig. c, d.; non Thunberg (1784).  
*Viburnum Meyer-Waldeckii* Loesener in Bot. Centralbl. Beih. 37, 2: 184 t. 10A (1920).
- V. ichangense** (Hemsl.) Rehder in Sargent, Trees & Shrubs, 2: 150 (1908).  
*Viburnum erosum* var. *ichangense* Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 352 (1900), exclud. Henry no. 1888.  
*Viburnum erosum* var. *setchuenense* Gräbner in Bot. Jahrb. 29: 509 (1900).

- V. recognitum** Fernald in Rhodora, **43**: 647 (1941).  
*Viburnum dentatum* a. *lucidum* Aiton, Hort. Kew. **1**: 372 (1789).—Svenson in Rhodora, **42**: 6 (1940).—Non *V. lucidum* Miller (1768).  
*Viburnum dentatum* a. *glabellum* Michaux, Fl. Bor.-Am. **1**: 179 (1803), p. p.  
*Viburnum dentatum* sensu Torrey, Fl. N. Middle Sect. U. S. 319 (1824).—Emerson, Rep. Trees Shrubs Mass. 366 (1850); ed. 4, **2**: 413, t. (1875).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 840 (1940), exclud. cit. G. O. t. 103 et G. F. **10**: 332. —Non Linnaeus (1753).
- V. dentatum** Linnaeus, Sp. Pl. (1753).—Svenson in Rhodora, **42**: 5, t. 585 (1940), exclud. var. *lucidum*.  
*Viburnum venosum* var. *Canbyi* Rehder in Rhodora, **6**: 60 (1904).  
*Viburnum pubescens* var. *Canbyi* Blake in Rhodora, **20**: 15 (1918).—Rehder in Man. Cult. Trees Shrubs, ed. 2, 840 (1940).  
*Viburnum Deamii* Canby B. F. Bush in Am. Midland Nat. **10**: 240 (1927).
- V. dentatum** var. *pubescens* Aiton, Hort. Kew. **1**: 372 (1789) “β.”—Svenson in Rhodora, **42**: 6 (1940).  
*Viburnum pubescens* Pursh, Fl. Am. Sept. **1**: 202 (1814).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 840 (1940).  
*Viburnum longifolium* Loddiges ex Loudon, Arb. Brit. **2**: 1038 (1838), pro syn.—Loddiges ex Dippel, Handb. Laubh. **1**: 183 (1889), pro syn.—Non Rafinesque (1838).  
*Viburnum dentatum* var. ? β. *scabrellum* Torrey & Gray, Fl. N. Am. **2**: 16 [1841], p. p.  
*Viburnum dentatum* a. *longifolium* Dippel, l. c. (1889).  
*Viburnum venosum* Britton, Man. Fl. N. U. S. 871 (1901). —Britton & Brown, Ill. Fl. N. U. S. ed. 2, **3**: 272, fig. 3964 (1913).  
*Viburnum venosum* var. *longifolium* Rehder in Bailey, Stand. Cycl. Hort. **6**: 3462 (1917).  
*Viburnum pubescens* var. *longifolium* Blake in Rhodora, **20**: 15 (1918).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 841 (1940).
- V. dentatum** var. *Deamii* (Rehd.) Fernald in Rhodora, **43**: 649 (1941).  
*Viburnum pubescens* var. *Deamii* Rehder in Jour. Arnold Arb. **5**: 58 (1924); Man. Cult. Trees Shrubs, ed. 2, 840 (1940).—Deam, Shrubs Indiana, ed. 2, 346, t. 145 (1932).  
*Viburnum pubescens* var. *indianense* Rehder in op. cit. 59 (1924); l. c. (1940).—Deam, op. cit. 348, t. 146 (1932).  
*Viburnum Deamii* B. F. Bush in Am. Midland Nat. **10**: 239 (1927).  
*Viburnum Deamii indianense* B. F. Bush in op. cit. 241 (1927).
- V. scabrellum** Chapman, Fl. South. U. S. 172 (1860).  
*Viburnum dentatum* var. *semitomentosum* Michaux, Fl. Bor.-Am. **1**: 179 (1803), p. p.  
? *Viburnum tomentosum* Rafinesque in Med. Repos. New York, hex. 2, **5**: 354 (1808), nom. subnud.; non Lamarck (1778), nec Thunberg (1784).  
*Viburnum dentatum* var. ? β. *scabrellum*, Torrey & Gray, Fl. N. Am. **2**: 16 [1841], p. p.  
*Viburnum molle* sensu Gray, Syn. Fl. N. Am. **1,2**: 11 (1884), non Michaux (1803).  
*Viburnum molle* var. ? *tomentosum* Chapman, Fl. South. U. S. ed. 3, 190 (1897).  
*Viburnum semitomentosum* Rehder in Rhodora, **6**: 59 (1904).
- V. Rafinesquianum** Schultes in Roemer & Schultes, Syst. Veg. **6**: 630 (1820).—House in Torrey, **35**: 126 (1935).  
? *Viburnum asuminatum* W. Young, Cat. Arb. Arbust. Am. 26 (1783), nom.  
*Viburnum villosum* Rafinesque in Med. Repos. New York, hex. 2, **5**: 361 (1808); in Jour. de Bot. (Soc. Bot.) **1**: 228 (1809); non Swartz (1788).  
*Viburnum pubescens* sensu Gray, Syn. Fl. N. Am. **1,2**: 11 (1824), p. p.; non Pursh (1814).  
*Viburnum affine* var. *hypomalacum* Blake in Rhodora, **20**: 14 (1918).
- V. Rafinesquianum** var. *affine* [Schneid.] House in Torrey, **35**: 126 (1935).  
*Viburnum affine* Bush ex Rehder in Sargent, Trees & Shrubs, **1**: 135 (1903), nom.—Schneider, Ill. Handb. Laubh. **2**: 649, fig. 4151-m (1911).  
*Viburnum pubescens* var. *affine* Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 263 [1914].  
*Viburnum affine* var. *affine* Blake in Rhodora, **20**: 14 (1918).
- V. bracteatum** Rehder in Sargent, Trees & Shrubs, **1**: 135, t. 68 (1903).—Small, Man. Southeast. Fl. 1271 (1933).
- V. molle** Michaux, Fl. Bor.-Am. **1**: 180 (1803).—Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 760 [1908].  
? *Opulus mollis* Berchtold & Presl, Pflroz. Rostlin, **2**: 98 (1825) ex B. D. Jackson in Index Kew. **2**: 356 [1894].  
*Viburnum Demetronis* Deane & Robinson in Bot. Gaz. **22**: 167 (1896).
- V. molle** f. *leiophyllum* Rehder in Jour. Arnold Arb. **5**: 57 (1924).
- V. acerifolium** Linnaeus, Sp. Pl. 268 (1753).—Gray, Syn. Fl. N. Am. **1,2**: 10 (1884).
- V. acerifolium** f. *glabrescens* (Rehd.), grad. nov.  
*Viburnum acerifolium* var. *glabrescens* Rehder in Mitt. Deutsch. Dendr. Ges. **1913** (22): 263 [1914].
- V. acerifolium** f. *ovatum* Rehder in Jour. Arnold Arb. **5**: 241 (1924).
- V. orientale** Pallas, Fl. Ross. **1,2**: 31, t. 58π (1788).—Boissier, Fl. Or. **3**: 4 (1875).
- V. ellipticum** Hooker, Fl. Bor.-Am. **1**: 280 [1834].—Gray, Syn. Fl. N. Am. **1,2**: 10 (1884).—Jepson, Man. Flow. Pl. Calif. 966 (1925).
- Sect. IX. OPULUS De Candolle, Prodr. **4**: 328 (1830), p. p. —Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 759 [1908].  
*Opulus* Miller, Gard. Dict. abridg. ed. 4, **2** (1754).—Moench, Meth. Pl. 605 (1794).  
*Viburnum-Opulus* Weston, Bot. Univ. **1**: 308 (1770).  
*Viburnum* sect. *Opulus* ser. *Opulus* Maximowicz in Bull. Acad. Sci. St. Pétersb. **26**: 491 (in Mém. Biol. **10**: 668) (1880), quoad sp. 2 ultim.  
*Viburnum* subgen. *Viburnum* Zweig *Opuloides* Dippel, Handb. Laubh. **1**: 179 (1889), p. p. quoad *V. pauciflorum*.
- V. edule** (Michx.) Rafinesque in Med. Repos. New York, hex. 2, **5**: 354 (1808) “*edulum*”; hex. 3, **2**: 323 (1811). —Pursh, Fl. Am. Sept. **1**: 203 (1814), p. p.—Fernald in Rhodora, **43**: 481 (1941).  
*Viburnum Opulus* γ. *edule* Michaux, Fl. Bor.-Am. **1**: 180 (1803).

**Viburnum edule** (continued)

- Viburnum Op. pauciflorum* Rafinesque, Alsogr. Am. 58 (1838).
- Viburnum pauciflorum* La Pylaie ex Torrey & Gray, Fl. N. Am. 2: 17 (1841). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 842 (1940).
- Viburnum Opulus* var. *eradiatum* Oakes in Mag. Hort. Bot. (Hovey) 7: 183 (1841).
- Opulus edulis* Berchtold & Presl, Pflroz. Rostlin, 2: 98 (1825) ex B. D. Jackson in Index Kew. 2: 356 [1894], pro syn.
- Viburnum eradiatum* House in Am. Midland Nat. 7: 130 (1921).
- V. kansuense** Batalin in Act. Hort. Petrop. 13: 372 (1894). — Rehder in Sargent, Pl. Wilson. 1: 116 (1911).
- V. trilobum** Marshall, Arbust. Am. 162 (1785). — Muhlenberg in Trans. Am. Philos. Soc. 3: 166 (Ind. Fl. Lancast.) (1793). — Deam, Shrubs Indiana, ed. 2, 329, t. 137 (1932).
- ?*Viburnum Americanum* Miller, Gard. Dict. ed. 8, V. no 8 (1768), p. p. quoad fruct.
- Viburnum Opulus* β. *americana* Aiton, Hort. Kew. 1: 373 (1789). — Farwell in Rhodora, 21: 102 (1919) "var. *Americanum*."
- Viburnum Opulus* β. *Pimina* Michaux, Fl. Bor.-Am. 1: 180 (1803).
- Viburnum pimina* Rafinesque in Med. Repos. New York, hex. 2, 5: 354 (1808), sphalm. "*primina*"; Alsogr. Am. 57 (1838).
- Viburnum opuloides* Muhlenberg, Cat. Pl. Am. Sept. 32 (1813), nom.
- Viburnum Oxycoccus* Pursh, Fl. Am. Sept. 1: 203 (1814).
- Viburnum edule* Pursh, l. c. (1814), p. p.; non Rafinesque (1808).
- Viburnum Opulus* sensu Torrey & Gray, Fl. N. Am. 1: 18 (1841). — Gray, Syn. Fl. N. Am. 1, 2: 10 (1884). — Non Linnaeus (1753).
- Opulus Oxycoccus* Berchtold & Presl, Pflroz. Rostlin, 2: 97 (1825) ex B. D. Jackson in Index Kew. 2: 356 [1894].
- Viburnum americanum* sensu Dippel, Handb. Laubh. 1: 173 (1889). — B. D. Jackson, Index Kew. 2: 1194 (1895), " = *V. Opulus*"; pro syn. — Non Miller (1768).
- V. Opulus** Linnaeus, Sp. Pl. 268 (1753). — Rouy, Fl. France, 8: 70 (1903).
- Viburnum-Opulus opulus* Weston, Bot. Univ. 1: 308 (1770).
- Viburnum lobatum* Lamarck, Fl. Franç. 3: 363 (1778).
- Opulus trilobifolia* Gilibert, Fl. Lithuan. 1: 2 (1781) ex Ledebour, Fl. Ross. 2: 384 (1844).
- Viburnum Opulus a. europaea* Aiton, Hort. Kew. 1: 372 (1789). — Michaux, Fl. Bor.-Am. 1: 180 (1803) "*a. europeanum*."
- Opulus lobatofolio* Gilibert, Exerc. Phytol. 1: 4 (1792).
- Opulus glandulosa* Moench, Meth. Pl. 505 (1794).
- Viburnum glandulosum* Salisbury, Prodr. Stirp. Chap. Allert. 172 (1796).
- Opulus vulgaris* Borkhausen in Arch. für Bot. (Roemer), 1, 2: 20 (1797).
- Opulus palustris* S. F. Gray, Nat. Arr. Brit. Pl. 2: 489 (1821).
- V. Opulus f. variegatum** [West.] Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903) "(f.)".
- Viburnum-opulus opulus* 3. *variegatum* Weston, Bot. Univ. 1: 308 (1770).
- V. Opulus f. xanthocarpum** (Endl.), grad. nov.
- Viburnum Opulus γ. xanthocarpum* Endlicher, Cat. Hort. Vindob. 1: 460 (1842), nom. — Späth [Kat.] 143: 137 (1910) "*V. O. x.*" — Späth ex Schneider, Ill. Handb. Laubh. 2: 640 (1911), "var." sphalm. "*scanthocarpum*."
- V. Opulus f. nanum** [David] Zabel in Beissner et al., Handb. Laubh.-Ben. 439 (1903) "(f.)".
- Viburnum Opulus nanum* David in Rev. Hort. 1845: 98 (1845). — Jäger, Ziergeh. 565 (1865) "var. *nanus*." — Jacques ex Rehder in Bailey, Cycl. Am. Hort. [4]: 1927 (1902) "var." — L. C. C[hadwick] in Am. Nurseryman, 83, 2: 41, fig. (p. 1) (1946).
- Viburnum Opulus pygmaeum* Lavallée, Arb. Segrez. 135 (1877), nom. — Hort. ex Schelle in Mitt. Deutsch. Dendr. Ges. 1908(17): 189, 220 (1908).
- V. Opulus f. roseum** (L.) Hegi, Ill. Fl. Mittel-Eur. 6, 1: 243, fig. 135 [1914].
- Viburnum Opulus β. roseum* Linnaeus, Sp. Pl. 268 (1753).
- Viburnum Opulus β. sterilis* De Candolle, Prodr. 4: 328 (1830). — Nakai in Jour. Coll. Sci. Tokyo, 26, 1: 286 (1909); 31: 495 (1911) "*f. sterile*;"? p. p.
- Opulus glandulosa a. globosa* Schur, Enum. Pl. Transsilv. 244 (1866).
- Viburnum Opulus rosaceum* Hort. ex Dippel, Handb. Laubh. 1: 173 (1889), pro syn.
- Viburnum roseum* Hort. et *V. rosaceum* Hort. ex Schneider, Ill. Handb. Laubh. 2: 640 (1911), pro syn.
- V. Sargenti** Koehne in Gartenfl. 48: 341 (1899). — Rehder in Sargent, Trees & Shrubs, 1: 83, t. 42 (1903). — Hao in Liou, Fl. Ill. Nord Chine, 3: 69, t. 27 (1934).
- Viburnum Opulus* sensu Gray in Mem. Am. Acad. Arts Sci., n. ser., 6: 393 (Diagn. Char. Phaenog. Pl. Jap. 1857) (1859). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 26: 492 (in Mém. Biol. 10: 670) (1880). — Non Linnaeus (1753).
- Viburnum pubinerve* Blume msc. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 265 (Prol. Fl. Jap. 153) (1866), pro syn. — Nakai, Fl. Sylv. Kor. 11: 45 (1921).
- Viburnum Sargenti f. puberula* Komarov in Act. Hort. Petrop. 25: 511 (Fl. Mansh. III.) (1907).
- Viburnum Opulus β. Sargenti* Takeda in Bot. Mag. Tokyo, 26: 25 (1911).
- Viburnum pubinerve f. puberulum* Nakai in Bot. Mag. Tokyo, 32: 212 (1919).
- Viburnum pubinerve f. intermedium* Nakai, Fl. Sylv. Kor. 11: 45, t. 14 (1921).
- V. Sargenti f. calvescens** (Rehd.), grad. nov.
- Viburnum Sargenti* var. *calvescens* Rehder in Mitt. Deutsch. Dendr. Ges. 1903(12): 125 (1903).
- Viburnum Sargenti f. glabra* Komarov in Act. Hort. Petrop. 25: 511 (Fl. Mansh. III.) (1907).
- Viburnum pubinerve f. calvescens* Nakai in Bot. Mag. Tokyo, 33: 213 (1919).
- V. Sargenti f. flavum** Rehder in Jour. Arnold Arb. 3: 224 (1922); Man. Cult. Trees Shrubs, 810 (1927) "var."
- Trib. III. LINNAEAEAE Fritsch in Nat. Pflanzenfam. IV. 4: 164 (1891).
- Caprifoliaceae trib. *Lonicereae* Brown ex De Candolle, Prodr. 4: 329 (1830), p. p.
- Caprifoliaceae trib. *Caprifoliaceae* A. Richard ex De Candolle, l. c. (1830), p. p., pro syn. [A. Richard in Dict. Class. Hist. Nat. 3: 173 (1823) "Caprifoliacées † Caprifoliées"]].
- Lonicereae* subord. *Lonicereae Verae* Endlicher, Gen. Pl. 576 [1838], p. p.

- Caprifoliaceae* trib. *Lonicereae* subtr. *Caprifoliae* Torrey & Gray, Fl. N. Am. 2: 2 [1841], p. p.
- Lonicereae* *Lonicereae* Horaninov, Char. Ess. Fam. Reg. Veg. 96 (1847), p. p.
- Caprifoliaceae* trib. *Lonicereae* subtr. *Symphoricarpeae* Pfeiffer, Syn. Bot. 189 (1870), nom. subnud.
- Caprifoliaceae* II. *Loniceroideae* Luerksen, Grundz. Bot. 321 (1877), p. p.
- SYMPHORICARPOS** Duhamel, Traité Arb. Arbust. 2: 295, fig., t. 82 (1755). — Jussieu, Gen. Pl. 211 (1789). — Humboldt, Bonpland, Kunth, Nov. Gen. Spec. 3: 424 (fol. ed. 331) (1818) "*Symphoricarpus*." — G. N. Jones in Jour. Arnold Arb. 21: 203–252 (Monog. *Symphoricarpos*) (1940).
- Lonicera* Linnaeus, Sp. Pl. 173 (1753), p. p. quoad sp. 11.
- Vaccinium* Linnaeus, Sp. Pl. 350 (1753), p. p. quoad sp. 4.
- Symphoricarpa* Necker, Elem. Bot. 1: 129 (1790).
- Symphoria* Persoon, Syn. Pl. 1: 214 (1805), pro syn. — Pursh, Fl. Am. Sept. 1: 162 (1814).
- TYPE: *Lonicera Symphoricarpos* L. = *S. orbiculatus* Moench.
- Subgen. I. **EUSYMPHORICARPOS** Jones in Jour. Arnold Arb. 21: 207 (1940).
- Symphoricarpus* sect. *Boreales* Gray ex Schneider, Ill. Handb. Laubh. 2: 669 (1911).
- Symphoricarpus* sect. *Breviflorae* Zabel in Beissner et al., Handb. Laubh.-Ben. 445 (1903), nom. subnud.
- S. occidentalis** Hooker, Fl. Bor.-Am. 1: 285 [1833]. — Jones in Jour. Arnold Arb. 21: 224 (1940).
- Symphoria occidentalis* R. Brown ex Richardson in Franklin, Narr. Journ. Polar Sea (Bot. App.) 734 (1823), nom.
- Symphoricarpos occidentalis* var. *quercifolia* A. Nelson in Coulter & Nelson, New Man. Bot. Rocky Mts. 470 (1909).
- S. occidentalis** var. *Heyeri* Dieck ex Hamburg. Gart.- & Blumenzeit. 44: 562 (1888), nom. subnud.
- Symphoricarpus Heyeri* Dippel, Handb. Laubh. 1: 281, fig. 187 (1889). — Dieck, Neuher.-Off. Nat.-Arb. Zöschel, 1889–90: 21, fig. (1889).
- ?*Symphoricarpus occidentalis* × *racemosa* Schneider, Ill. Handb. Laubh. 2: 671 (1911).
- S. albus** (L.) Blake in Rhodora, 16: 118 (1914). — Jones in Jour. Arnold Arb. 21: 214 (1940).
- Vaccinium album* Linnaeus, Sp. Pl. 350 (1753).
- Vitis idaea alba* Moench, Meth. Pl. 47 (1794).
- Symphoricarpus racemosus* Michaux, Fl. Bor.-Am. 1: 107 (1803). — Britton & Brown, Ill. Fl. N. U. S. 3: 276, fig. 3976 (1913).
- Lonicera racemosa* Persoon, Syn. Pl. 1: 214 (1805).
- Symphoria racemosa* Pursh, Fl. Am. Sept. 1: 162 (1814), p. p. — Nuttall, Gen. Am. Pl. 1: 138 (1818).
- Symphoria alba* Rafinesque, New Fl. N. Am. 3: 21 [1838], nom.
- Symphoricarpos racemosus* var. *pauciflorus* Robbins ex Gray, Man. Bot. N. U. S. ed. 5, 203 (1867).
- Symphoricarpus albus* Raf. ex K. Koch, Dendr. 2,2: 407 (1873), sphalm. pro [*Symphoria*] *alba* ex Koch, op. cit. 2,1: 48 (1872), pro syn.
- Symphoricarpos pauciflorus* Britton in Mem. Torrey Bot. Club, 5: 305 (1894).
- Symphoricarpos racemosus pauciflorus* Rydberg in Contrib. U. S. Nat. Herb. 3: 503 (1896).
- Symphoricarpus albus* var. *pauciflorus* Blake in Rhodora, 16: 119 (1914).
- Xylosteon album* Moldenke in Revista Sudam. Bot. 5: 3 (1937).
- S. albus** var. *laevigatus* (Fern.) Blake in Rhodora, 16: 119 (1914). — G. N. Jones in Univ. Washington Publ. Biol. 6: 236 (1936) "f."
- Symphoria racemosa* sensu Loddiges, Bot. Cab. 3: t. 230 (1818), non Pursh (1814).
- ?*Symphoria glomerata* Rafinesque, Med. Fl. 2: 266 (1830), nom., "Snowberry"; non Pursh (1814).
- Symphoria elongata* Presl ex De Candolle, Prodr. 4: 339 (1830), pro syn.
- Symphoria heterophylla* Presl ex De Candolle, l. c. (1830), pro syn. — Rafinesque, New Fl. N. Am. 3: 21 [1838].
- Symphoria leucocarpa* Hort. ex De Candolle, Prodr. 4: 339 (1830), pro syn.
- Symphoricarpus racemosus* sensu Hooker, Fl. Bor.-Am. 1: 285 [1833], p. p. — Loudon, Arb. Brit. 2: 1059, fig. 826 (1838). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 3: 276, fig. 3976 (1913). — Non Michaux (1803).
- Symphoricarpos leucocarpus* hort. ex Bosse, Vollst. Handb. Blumengärt. ed. 2, 3: 458 (1842), pro syn. — MacMahon ex True in Proc. Am. Philos. Soc. 67: 14 (1928) "*leucocarpa*."
- Symphoricarpos racemosus* var. *macrophylla* et var. *macrocarpa* et var. *glauca* Lavallée, Arb. Segrez. 142 (1877), nom.
- Symphoricarpos racemosus* var. *laevigatus* Fernald in Rhodora 7: 167 (1905).
- Symphoricarpus hyalinus* Heller ex Schneider, Ill. Handb. Laubh. 2: 672 (1911), pro syn.
- Symphoricarpus racemosus macrocarpa* Anon. in Garden, 77: 527, fig. (1913).
- Symphoricarpos albus* sensu Piper & Beattie, Fl. Northwest Coast, 313 (1915), non Blake (1914).
- Symphoricarpos rivularis* Suksdorf in Werdenda, 1: 41 (1927). — G. N. Jones in Jour. Arnold Arb. 21: 209 (1940).
- S. albus** f. *ovatus* (Rehd.), grad. nov.
- Symphoricarpus ovatus* Spaeth, [Kat.] 130: 130 (1908).
- Symphoricarpos albus* var. *ovatus* Rehder in Bailey, Stand. Cycl. Hort. 6: 3293 (1917).
- S. hesperius** G. N. Jones in Jour. Arnold Arb. 21: 220 (1940).
- Symphoricarpus acutus* Dieck ex Hamburg. Gart.- & Blumenzeit. 44: 562 (1888), nom. subnud.; non *S. mollis* var. *acutus* Gray (1884). — Dippel, Handb. Laubh. 1: 279, fig. 185 (1889), exclud. syn.
- Symphoricarpus mollis* sensu J. Macoun, Cat. Canad. Pl. 5: 331 (1890), non Nuttall ex Torrey & Gray (1841).
- Symphoricarpos pauciflorus* sensu Howell, Fl. Northwest Am. 1: 281 [1900], non Britton (1894).
- Symphoricarpus racemosus* var. *pauciflorus* sensu Henry, Fl. S. Brit. Columbia, 280 (1915), non Robbins ex Gray (1867).
- Symphoricarpos albus* var. *mollis* sensu St. John, Fl. Southeast. Washingt. 395 (1937), non Keck (1926).
- S. mollis** Nuttall in Torrey & Gray, Fl. N. Am. 2: 4 (1841). — Gray, Syn. Fl. N. Am. 1,2: 14 (1884). — G. N. Jones in Jour. Arnold Arb. 21: 218 (1940).
- Symphoricarpus ciliatus* Nuttall in Torrey & Gray, Fl. N. Am. 2: 4 (1841).
- Symphoricarpos nanus* Greene, Fl. Francisc. 345 (1892).
- Symphoricarpos albus* var. *mollis* Keck in Bull. South. Calif. Acad. Sci. 25: 72 (1926).
- S. orbiculatus** Moench, Meth. Pl. 503 (1794). — G. N. Jones in Jour. Arnold Arb. 21: 228 (1940).



**Symphoricarpos orbiculatus** (*continued*)

- Lonicera Symphoricarpos* Linnaeus, Sp. Pl. 175 (1753).  
*Symphoricarpos vulgaris* Michaux, Fl. Bor.-Am. 1: 106 (1803).—Gray, Syn. Fl. N. Am. 1,2: 13 (1884).  
*Symphoricarpos parviflora* Desfontaines, Tabl. École Bot. Paris, 114 (1804), nom.  
*Symphoria glomerata* Pursh, Fl. Am. Sept. 1: 162 (1814).  
*Symphoria rubra* Rafinesque, New Fl. N. Am. 3: 21 [1838], nom. subnud.  
*Symphoricarpus spicatus* Engelm. in Boston Jour. Nat. Hist. 6: 215 (Gray & Engelm., Pl. Lindheimer. 2: 215) (1850).  
*Symphoricarpus erythrocarpus* Hort. ex K. Koch, Dendr. 2,1: 48 (1872), pro syn.  
*Symphoricarpus vulgaris* var. *glomerata* Lavallée, Arb. Segrez. 143 (1877).—Cowell in Bailey, Cycl. Am. Hort. [4]: 1758 (1902).  
*Symphoricarpus vulgaris* var. *spicatus* Gray, Syn. Fl. N. Am. 1,2: 13 (1886).  
*Symphoricarpus Symphoricarpus* MacMillan in Bull. Torrey Bot. Club, 19: 15 (1892).  
*Symphoricarpus orbiculatus* var. *spicatus* Schneider, Ill. Handb. Laubh. 2: 669 (1911).  
*Symphoricarpus Giraldui* Hesse, Haupt-Preis. 1925-6: 122 (1925), exclud. patria.—Späth, Haupt-Kat. no. 319: 88 (1938).  
*Symphoricarpus vulgaris elongata* D. M. Andrews, Spring Cat. Rockmont Nurs. 1932: 23 (1932).

- S. orbiculatus** f. *leucocarpus* (D. M. Andrews) Rehder in Jour. Arnold Arb. 21: 277 (1940).  
*Symphoricarpus vulgaris leucocarpa* D. M. Andrews, Cat. Rockmont Nurs. 1927: 10 (1927).—G. N. Jones in Jour. Arnold Arb. 21: 230 (1940), pro syn.

- S. orbiculatus** f. *variegatus* (Cowell), grad. nov.  
*Symphoricarpus vulgaris* var. *variegatus* Hort. ex Cowell in Bailey, Cycl. Am. Hort. [4]: 1758 (1902).  
*Symphoricarpus orbiculatus* f. *aureo-reticulatus* Zabel in Beissner et al., Handb. Laubh.-Ben. 445 (1903).  
*Symphoricarpus orbiculatus* var. *variegatus* Schneider, Ill. Handb. Laubh. 2: 669 (1911).  
*Symphoricarpus Symphoricarpus* var. *variegatus* [Nash] in Jour. New York Bot. Gard. 21: 76 (1920).

- S. sinensis** Rehder in Sargent, Pl. Wilson. 1: 117 (1911).—G. N. Jones in Jour. Arnold Arb. 21: 208 (1940).

- Subgen. II. **ANISANTHUS** (Roem. & Schult.) G. N. Jones in Jour. Arnold Arb. 21: 233 (1940).  
*Anisanthus Willdenow* ex Roemer & Schultes, Syst. Veg. 5: xiv, 223 (1819).  
*Margaris* De Candolle, Prodr. 4: 483 (1830).  
*Descliaea* [Sessé & Mociño] Fl. Mex. icon. ined. ex De Candolle, l. c. (1830), pro syn.  
*Symphoricarpus* sect. *Meridionales* Gray ex Schneider, Ill. Handb. Laubh. 2: 673 (1911).  
*Symphoricarpus* sect. *Longiflorae* Zabel in Beissner et al., Handb. Laubh.-Ben. 445 (1903), nom. subnud.

- S. rotundifolius** Gray, Pl. Wright. 2: 66 (Smithson. Inst. Contrib. Knowl. 3,4) (1853); Syn. Fl. N. Am. 1,2: 14 (1884).  
*Symphoricarpus montanus* sensu S. Watson, Botany (in C. King, Rep. Geol. Expl. 40th Parall. 5: 132) (1871), p. p.; non Humboldt, Bonpland, Kunth (1818), nec Gray (1862).  
*Symphoricarpus mollis* var. *acutus* sensu Rehder, Man. Cult. Trees Shrubs, 811 (1927), non Gray (1884).

- S. vaccinioides** Rydberg in Mem. New York Bot. Gard. 1: 371 (1900).—G. N. Jones in Jour. Arnold Arb. 21: 237 (1940).

- Symphoricarpus montanus* sensu S. Watson, Botany (in C. King, Rep. Geol. Expl. 40th Parall. 5: 132) (1871), p. p.; non Humboldt, Bonpland, Kunth (1818).  
*Symphoricarpus mollis* sensu Torrey, Phan. Pacif. N. Am. (U. S. Expl. Exp. 1838-42 under C. Wilkes, xvii) 328 (1874), non Nuttall ex Torrey & Gray (1841).  
*Symphoricarpus mollis* var. *acutus* Gray, Syn. Fl. N. Am. 1,2: 14 (1884).  
*Symphoricarpus rotundifolius* sensu Gray, l. c. (1884), p. p.; non Gray (1853).  
*Symphoricarpus Austinae* Eastwood in Bull. Torrey Bot. Club. 30: 499 (1903).  
*Symphoricarpus acutus* Piper in Contrib. U. S. Nat. Herb. 11: 529 (1906), non Dieck (1888).

- S. utahensis** Rydberg in Bull. Torrey Bot. Club, 26: 544 (1899).—Jones in Jour. Arnold Arb. 21: 242 (1940).  
*Symphoricarpus oreophilus utahensis* A. Nelson in Coulter & Nelson, New Man. Bot. Rocky Mts. 470 (1909).

- S. oreophilus** Gray in Jour. Linn. Soc. Lond. Bot. 14: 12 (1873) "*Symphoricarpus*"; Syn. Fl. N. Am. 1,2: 14 (1884).—G. N. Jones in Jour. Arnold Arb. 21: 246 (1940).  
*Symphoricarpus vulgaris* sensu Gray in Mem. Am. Acad. Arts Sci. 4: 60 (Pl. Fendler.) (1849), nom.; non Michaux (1803).  
*Symphoricarpus montanus* sensu Gray in Am. Jour. Sci. ser. 2, 34: 249 (1862), non Humboldt, Bonpland, Kunth (1818).  
*Symphoricarpus rotundifolius* var. *oreophilus* M. E. Jones in Proc. Calif. Acad. Sci. ser. 2, 5: 690 (1895).  
*Symphoricarpus glabratus* Eastwood in Bull. Torrey Bot. Club, 30: 499 (1903).

- S. microphyllus** Humboldt, Bonpland, Kunth, Nov. Gen. Sp. 3: 424 (fol. ed. 331) (1818), "*Symphoricarpus*."—G. N. Jones in Jour. Arnold Arb. 21: 233 (1940).  
*Symphoricarpus glaucescens* Humboldt, Bonpland, Kunth, l. c. f. 295 (1818).  
*Symphoricarpus montanus* Humboldt, Bonpland, Kunth, op. cit. 425 (332), t. 296 (1818).  
*Anisanthus microphyllus* Willdenow ex Roemer & Schultes, Syst. Veg. 5: 223 (1819).  
*Symphoria microphylla*, *S. glaucescens*, *S. montana* Sprengel, Syst. Veg. 1: 757 (1825).  
*Margaris nudiflora* De Candolle, Prodr. 4: 483 (1830).  
*Margaris barbiger* De Candolle, l. c. (1830).  
*Descliaea leucocarpa* [Sessé & Mociño] Fl. Mex. icon. ined. ex De Candolle, l. c. (1830), pro syn.  
*Descliaea margaritaria* [Sessé & Mociño] Fl. Mex. icon. ined. ex De Candolle, l. c. (1830), pro syn.  
*Chiococca axillaris* [Sessé & Mociño] Fl. Mex. descr. ined. ex De Candolle, l. c. (1830), pro syn.—Sessé & Mociño, Pl. Nov. Hisp. 36 (1887); ed. 2, 34 (1893).  
*Symphoricarpus mexicana* Hort. et *S. toluccensis* Hort. ex K. Koch, Dendr. 2,1: 50 (1872), pro syn.  
*Symphoricarpus polluccensis* hort. ex Dippel, Handb. Laubh. 1: 282 (1889), pro syn.  
*Lonicera vacciniifolia* hort. ex Dippel, l. c. (1889), pro syn.

- S. Chenaultii** (*S. microphylla* × *orbiculatus*) Rehder in Jour. Arnold Arb. 2: 179 (1921).—G. N. Jones in Jour. Arnold Arb. 21: 232 (1940).  
*Symphoricarpus parviflorus conglomeratus* Chenault, Cat. 1910-1: 25 (1910), nom. subnud.

- DIPelta** Maximowicz in Bull. Acad. Sci. St. Pétersb. **24**: 50 (in Mém. Biol. **10**: 78. 1878) (1877).  
*Cavalleriella* Léveillé, Fl. Kouy-Tchéou, **61** (1914), p. p. **Typus**: *D. floribunda* Maxim.
- D. floribunda** Maximowicz in op. cit. **51** (80. 1878) (1877).  
 — Hao in Liou, Fl. Ill. Nord Chine, **3**: 87, t. 36 (1934).
- D. floribunda** var. **parviflora** Rehder in Jour. Arnold Arb. **5**: 241 (1924).  
*Dipelta yunnanensis* sensu F. N. Meyer in U. S. Dept. Agric. Bur. Pl. Indust. Invent. Seeds Pl. Imp. **42**: 36, 54, no. 39905, 40027 (1918), nom.; non Franchet (1891).
- D. ventricosa** Hemsley in Gard. Chron. ser. 3, **44**: 101, fig. 37 (1908).
- D. yunnanensis** Franchet in Rev. Hort. **1891**: 246, fig. 62 (1891). — Rehder in Jour. Arnold Arb. **16**: 333 (1935).  
*Cavalleriella Dunniana* Léveillé, Fl. Kouy-Tchéou, **61** (1914).
- ABELIA** R. Brown in Abel, Narr. Jour. China, App. B. 376 (1818). — Bentham & Hooker f., Gen. Pl. **2**: 4 (1873).  
 — Zabel in Mitt. Deutsch. Dendr. Ges. **1893**(2): 32 (1893). — Rehder in Sargent, Pl. Wilson. **1**: 118–129 (1913).  
*Linnaea* sect. *Abelia* (R. Br.) A. Braun & Vatke in Oester. Bot. Zeitschr. **22**: 291 (1872). — Fritsch in Nat. Pflanzenfam. IV. **4**: 156 (1891). — Graebner in Bot. Jahrb. **29**: 125 (1900) "subgen."  
**Typus**: *A. chinensis* R. Br.
- Sect. I. **EUABELIA** Rehder in Sargent, Pl. Wilson. **1**: 123, 125 (1911).  
*Vesalea* Martens & Galeotti in Bull. Acad. Sci. Bruxell. **11**: 242 (1844).
- A. Engleriana** (Graebn.) Rehder in op. cit. 118 (1911).  
*Linnaea Engleriana* Graebner in Bot. Jahrb. **29**: 132 (1900).
- A. serrata** Siebold & Zuccarini, Fl. Jap. **1**: 77, t. 34 [1838].  
 — Nakai in Jour. Coll. Sci. Tokyo, **4**: 56 (Tent. Syst. Caprifol. Jap.) (1921); Trees Shrubs Jap., rev. ed., **1**: 621, fig. 278 (1927).  
*Linnaea serrata* Graebner in Bot. Jahrb. **29**: 133 (1900), exclud. specim. chin.
- A. Schumannii** (Graebn.) Rehder in Sargent, Pl. Wilson. **1**: 121 (1911); in Jour. Arnold Arb. **16**: 334 (1935).  
*Linnaea Schumannii* Graebner in op. cit. 130 (1900).  
*Strobilanthes deutziaefolia* Léveillé in Repert. Sp. Nov. Reg. Veg. **12**: 20 (1913).  
*Abelia deutziaefolia* Léveillé Fl. Kouy-Tchéou, **60** (1914).  
*Strobilanthes deutziaefolia* Léveillé, l. c. (1914), pro syn.  
*Abelia Mairei* Léveillé, Cat. Pl. Yun-Nan, **26** (1915).  
*Abelia longituba* sensu Turrill in Bot. Mag. **145**: t. 8810 (1919), non Rehder (1911).
- A. Graebneriana** Rehder in Sargent, Pl. Wilson. **1**: 118 (1911).  
*Abelia serrata* sensu Hance in Jour. Bot. **20**: 6 (1882), non Siebold & Zuccarini (1845).  
*Abelia uniflora* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 359 (1888), p. p., quoad specim. e Hupeh et Szechuan; non R. Br. (1830).  
*Linnaea uniflora* Graebner in Bot. Jahrb. **29**: 131 (1900), p. p. quoad specim. e Hupeh et Szechuan; non A. Braun & Vatke (1872).  
*Linnaea serrata* Graebner in op. cit. **29**: 133 (1900), p. p. quoad specim. chinens.
- A. uniflora** R. Brown in Wallich, Pl. As. Rar. **1**: 15 (1830).  
 — Rehder in Sargent, Pl. Wilson. **1**: 126 (1911).  
*Linnaea uniflora* A. Braun & Vatke in Oester. Bot. Zeitschr. **22**: 291 (1872).
- A. grandiflora** (*A. chinensis* × *uniflora*) (André) Rehder in Bailey, Cycl. Am. Hort. [**1**]: 1 (1900); in Sargent, Pl. Wilson. **1**: 128 (1911).  
*Abelia rupestris grandiflora* Rovelli ex André in Rev. Hort. **1886**: 488 (1886).  
*Abelia rupestris hybrida* Rovelli ex Schaedtler in Möller's Deutsch. Gärt.-Zeit. **2**: 223 (1887), nom. subnud.  
*Abelia rupestris* hort. (*A. rupestris* × *uniflora* hort.) Späth in Gartenfl. **41**: 113, t. 1366 (1892), non Lindley (1846).  
*Abelia floribunda hybrida* et *A. multiflora hybrida* et *A. rupestris alba* Hort. ex Zabel in Mitt. Deutsch. Dendr. Ges. **1893**(2): 33 (1893), pro syn.  
*Linnaea* (*Abelia*) *Spaethiana* (*biflora* × *rupestris*) Graebner in Bot. Jahrb. **29**: 144 (1900).  
*Linnaea* (*Abelia*) *Perringiana* (*uniflora* × *chinensis*) Graebner in op. cit. 145 (1900).
- A. chinensis** R. Brown in Abel, Narr. Jour. China App. B. 376, t. (1818). — Rehder in Sargent, Pl. Wilson. **1**: 121 (1911).  
*Abelia rupestris* Lindley in Bot. Reg. **32**: t. 8 (1846).  
*Abelia Hanceana* Martius ex Hance in Ann. Sci. Nat. Bot. sér. 5, **5**: 216 (1866).  
*Linnaea chinensis* A. Braun & Vatke in Oester. Bot. Zeitschr. **22**: 291 (1872).
- A. spathulata** Siebold & Zuccarini, Fl. Jap. **1**: 77, t. 34, fig. [1838]. — Rehder in Sargent, Pl. Wilson. **1**: 125 (1911). — Nakai, Trees Shrubs Jap., rev. ed., **1**: 617, fig. 276 (1927).  
*Abelia serrata* sensu Gray in Perry, Narr. Exped. China Jap. **2** (App.): 313 (1857), non Siebold & Zuccarini [1838].  
*Linnaea spathulata* Graebner in Bot. Jahrb. **29**: 142 (1900).
- Sect. II. **ZABELIA** Rehder in Sargent, Pl. Wilson. **1**: 123, 125 (1911).
- A. triflora** R. Brown ex Wallich, Pl. As. Rar. **1**: 14, t. 15 (1830). — C. B. Clarke in Hooker f., Fl. Brit. Ind. **3**: 9 (1880). — Rehder in Sargent, Pl. Wilson. **1**: 127 (1911).  
*Linnaea triflora* A. Braun & Vatke in Oester. Bot. Zeitschr. **22**: 291 (1872).
- A. Zanderi** (Graebn.) Rehder in op. cit. 121 (1911).  
*Linnaea Zanderi* Graebner in Bot. Jahrb. **29**: 142 (1900).  
*Linnaea brachystemon* Diels in Notes Bot. Gard. Edinb. **5**: 178 (1912).
- A. biflora** Turczaninow in Bull. Soc. Nat. Moscou, **10**: 7: 152 (1837). — Rehder in Sargent, Pl. Wilson. **1**: 128 (1911).  
*Abelia Davidii* Hance in Jour. Bot. **6**: 329 (1868); **13**: 132 (1875).  
*Abelia shikokiana* Makino in Bot. Mag. Tokyo, **6**: 55 (1892), nom.; **7**: 286 (1893), pro syn.  
*Linnaea biflora* Koehne, Deutsche Dendr. 559 (1893).
- A. umbellata** (Graebn. & Buchw.) Rehder in Sargent, Pl. Wilson. **1**: 122 (1911).  
*Linnaea umbellata* Graebner & Buchwald in Bot. Jahrb. **29**: 143 (1900).
- LINNAEA** Gronovius ex Linnaeus, Sp. Pl. 631 (1753); Gen. Pl. ed. 5, 279, no. 692 (1754). — Bentham & Hooker f., Gen. Pl. **2**: 5 (1873).

**Linnaea** (continued)

*Linnaea* sect. *Eulinnaea* A. Braun & Vatke in Oester. Bot. Zeitschr. **22**: 291 (1872).

*Obolaria* Kuntze, Rev. Gen. Pl. **1**: 275 (1891), p. p.; non Linnaeus (1753).

Typus: *L. borealis* L.

**L. borealis** Linnaeus, Sp. Pl. 631 (1753).—Wittrock in Act. Hort. Berg. **4,7**: 187, fig. 13, t. (1907).—Nakai, Fl. Sylv. Kor. **11**: 48 (1921).

*Obolaria borealis* Kuntze, Rev. Gen. Pl. **1**: 275 (1891).

*Linnaea serpyllifolia* Rydberg in Jour. New York Bot. Gard. **8**: 135 (1907).

**L. borealis** var. *americana* (Forbes) Rehder in Rhodora, **6**: 56 (1904).—Fernald in Rhodora, **24**: 212 (1922).

*Linnaea borealis* var. *longiflora* f. *insularis* Wittrock in Act. Hort. Berg. **4,7**: 173, t. 13, fig. 11 (1907).

*Linnaea borealis* var. *longiflora* f. *orientalis* Wittrock, l. c. t. 13, fig. 7–10 (1907).

*Linnaea borealis* f. *curticalyx* Wittrock in op. cit. 174 (1907).

*Linnaea borealis* f. *minutifolia* Wittrock, l. c. t. 13, fig. 14 (1907).

*Linnaea borealis* f. *integerrima* Wittrock, l. c. t. 13, fig. 15 (1907).

**L. borealis** var. *longiflora* Torrey in Wilkes U. S. Expl. Exped. **17**: 327 (Phan. Pacif. Coast N. Am.) (1874).—Fernald in Rhodora, **24**: 212 (1922).

*Linnaea longiflora* Howell, Fl. Northwest Am. 280 (1900).

*Linnaea borealis* var. *longiflora* f. *angustissima* Wittrock in Act. Hort. Berg. **4,7**: 173, t. 13, fig. 12 (1907).

**KOLKWITZIA** Graebner in Bot. Jahrb. **29**: 593 (1900).—Pilger in Nat. Pflanzenfam. Nachtr. **3**: 331 [1908].

Typus: *K. amabilis* Graebn.

**K. amabilis** Graebner, l. c. (1900).—Stapf in Bot. Mag. **140**: t. 8563 (1914).

Trib. iv. **DIERVILLEAE** Nakai, Fl. Sylv. Kor. **11**: 84 (1921).

*Caprifoliaceae* trib. *Lonicereae* Brown ex De Candolle, Prodr. **4**: 329 (1830), p. p.

*Lonicereae* subord. *Lonicereae Verae* Endlicher, Gen. Pl. 576 [1838], p. p.

*Caprifoliaceae* trib. *Caprifolieae* A. Richard ex De Candolle, l. c. (1830), p. p.; pro syn.; [A. Richard in Dict. Class. Hist. Nat. **3**: 173 (1823) "Caprifoliacées † Caprifoliées."]

*Caprifoliaceae* trib. *Lonicereae* subtr. *Caprifoliae* Torrey & Gray, Fl. N. Am. **2**: 2 [1841], p. p.

*Lonicereae* a. *Lonicereae* Horaninov, Char. Ess. Fam. Reg. Veg. 96 (1847), p. p.

*Caprifoliaceae* II. *Loniceroideae* Luerssen, Grundz. Bot. 321 (1877), p. p.

**DIERVILLA** Miller, Gard. Dict. abridg. ed. 4, **1** (1754).—Adanson, Fam. Pl. **2**: 157 (1763).—Bentham & Hooker f., Gen. Pl. **2**: 6 (1873), p. p.—Bailey in Gent. Herb. **2**: 46 (1929).

*Lonicera* Linnaeus, Sp. Pl. 175 (1753), p. p. quoad sp. 14. Typus: *Lonicera Diervilla* L. = *D. Lonicera* Mill.

**D. Lonicera** Miller, Gard. Dict. ed. 8 (1768).—Bailey, Gent. Herb. **2**: 46 (1929).

*Lonicera Diervilla* Linnaeus, Sp. Pl. 175 (1753).

*Diervilla canadensis* Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 3 [1785 vel prius] "*Diarvilla*," nom.

*Diervilla trifida* Moench, Meth. Pl. 492 (1794).—Gray, Syn. Fl. N. Am. **1,2**: 18 (1884).

*Diervilla Tourneforti* Michaux, Fl. Bor.-Am. **1**: 107 (1803).

*Diervilla humilis* Persoon, Syn. Pl. **1**: 214 (1805).

*Diervilla canadensis* Willdenow, Hort. Berol. **1**: 222 (1806).

*Diervilla lutea* Pursh, Fl. Am. Sept. **1**: 162 (1814).

*Diervilla acadiensis* Duhamel ex Baillon, Nat. Hist. Pl. **7**: 352, fig. 356 (1880).

*Diervilla Diervilla* MacMillan in Bull. Torrey Bot. Club, **19**: 15 (1892).

**D. sessilifolia** Buckley in Am. Jour. Sci. **45**: 174 (1843).—Gray, Syn. Fl. N. Am. **1,2**: 19 (1884).

**D. splendens** [*D. Lonicera* × *sessilifolia*] (Carr.) Kirchner in Petzold & Kirchner, Arb. Muscav. 442 (1864).—Schneider, Ill. Handb. Laubh. **2**: 747 (1911).

*Weigela splendens* Carrière in Fl. des Serr. **8**: 292 (1853).

**D. rivularis** Gattinger in Bot. Gaz. **13**: 191 (1888).—Bailey in Gent. Herb. **2**: 48 (1929).

**WEIGELA** Thunberg in Svenska Vetensk. Acad. Handl. [ser. 2] **1**: 137, t. 5 (1780); Fl. Jap. 6 (1784).—Persoon, Syn. Pl. **1**: 176 (1805) "*Weigelia*."—Bailey in Gent. Herb. **2**: 48 (1929).

Typus: *W. japonica* Thunb.

Sect. i. **UTSUGIA** (A. DC.) Bailey, l. c. (1929).

*Diervilla* sect. *Utsugia* A. de Candolle in Ann. Sci. Nat. Bot., sér. 2, **11**: 240 (1839).

*Diervilla* subgen. *Weigela* K. Koch, Dendr. **2,1**: 39 (1872).—Koehne, Deutsche Dendr. 539 (1893) "sect."

*Diervilla* sect. *Weigela* subsect. *Euweigela* Nakai in Jour. Coll. Sci. Tokyo, **4,2**: 114 (Tent. Syst. Caprifol. Jap.) (1921).

**W. japonica** Thunberg in Svenska Vetensk. Acad. Handl. [ser. 2] **1**: 137, 141, t. 5 (1780); Fl. Jap. 6, t. 16 (1784).—Bailey in Gent. Herb. **2**: 48 (1929).

*Diervilla japonica* De Candolle, Prodr. **4**: 330 (1830).—Nakai in Jour. Coll. Sci. Tokyo, **42,2**: 118 (1921).

**W. japonica** var. *sinica* (Rehd.) Bailey in Gent. Herb. **2**: 49 (1929).

*Diervilla floribunda* sensu Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 369 (1888), non Siebold & Zuccarini [1838].

*Diervilla japonica* sensu Rehder in Sargent, Pl. Wilson. **1**: 144 (1911), non De Candolle (1830).

*Diervilla japonica* var. *sinica* Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 264 [1914].

**W. decora** (Nakai) Nakai in Jour. Jap. Bot. **12**: 74 (1936).

*Diervilla versicolor* Siebold & Zuccarini, Fl. Jap. **1**: 74 [1838], p. p. exclud. tab.

*Diervilla floribunda* var. *versicolor* Rehder in Bailey, Cycl. Am. Hort. [1]: 484 (1900), p. p.

*Diervilla decora* Nakai in Jour. Coll. Sci. Tokyo, **42,2**: 117 (Tent. Syst. Caprifol. Jap.) (1921); in Trees Shrubs Jap., rev. ed. **1**: 699, fig. 317 (1927).

**W. hortensis** (Sieb. & Zucc.) K. Koch, Hort. Dendr. 298 (1853).—C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **3**: 219 (1855).—Bailey in Gent. Herb. **2**: 49 (1929).

*Diervilla hortensis* Siebold & Zuccarini, Fl. Jap. **1**: 70, t. 29, 30, 31, fig. 2 (1835).—Nakai, Trees Shrubs Jap. rev. ed., **1**: 700, fig. 318 (1927).

*Diervilla japonica* sensu Miquel, Cat. Mus. Bot. Lugd.-Bat. 55 (1877), p. p.—Nakai, Trees Shrubs Jap. **1**: 700, fig. 269 (1922).—Non De Candolle (1830).

- Diervilla japonica* var. *hortensis* Rehder in Bailey, Cycl. Am. Hort. [1]: 484 (1900).
- W. hortensis** f. *albiflora* (Sieb. & Zucc.), grad. nov.  
*Diervilla hortensis* var. *albiflora* Siebold & Zuccarini, Fl. Jap. 1: 71, t. 30 [1837].  
*Weigela hortensis* β. *albiflora* K. Koch, Hort. Dendr. 298 (1853). — Nakai in Jour. Jap. Bot. 12: 79 (1936).  
*Weigela hortensis nivea* (Siebold) Bonard in Hort. Franç. 1864: 156 (1864).  
*Weigela nivea* Carrière in Rev. Hort. 1875: 130 (1875).  
*Diervilla japonica* var. *nivea* Rehder in Bailey, Cycl. Am. Hort. [1]: 484 (1900).  
*Diervilla japonica* var. *alba* (Sieb. & Zucc.) Makino in Bot. Mag. Tokyo, 22: 158 (1908).  
*Diervilla hortensis* var. *alba* Siebold & Zuccarini ex Makino, l. c. (1908), pro syn.
- W. floribunda** (Sieb. & Zucc.) K. Koch, Hort. Dendr. 298 (1853). — C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 3: 219 (1855). — Bailey in Gent. Herb. 2: 51 (1929).  
*Diervilla floribunda* Siebold & Zuccarini, Fl. Jap. 1: 73, t. 32 [1838]. — Nakai, Trees Shrubs Jap. rev. ed., 1: 695, t. 315 (1927).  
*Diervilla multiflora* Lemaire in Ill. Hort. 10: t. 383 (1863).
- W. floribunda** f. *grandiflora* (Dipp.) Rehder in Jour. Arnold Arb. 20: 430 (1939).  
*Diervilla floribunda grandiflora* Dippel, Handb. Laubh. 1: 274 (1889). — Voss, Vilmor. Blumengärt. 1: 421 [1894] "f." — Hort. ex Rehder in Bailey, Cycl. Am. Hort. [1]: 484 (1900) "var."  
*Diervilla arborescens* hort. ex Dippel, l. c. (1889), pro syn.  
*Diervilla arborea grandiflora* hort. ex Dippel, l. c. (1889), pro syn.
- W. floribunda** var. *versicolor* (Sieb. & Zucc.) Rehder in Jour. Arnold Arb. 20: 430 (1939).  
*Diervilla versicolor* Siebold & Zuccarini, Fl. Jap. 1: 74, t. 33 [1837]. — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 116 (Tent. Syst. Caprifol. Jap.) (1921).  
*Diervilla floribunda* var. *versicolor* Rehder in Bailey, Cycl. Am. Hort. [1]: 484 (1900), p. p.
- W. subsessilis** (Nakai) Bailey in Gent. Herb. 2: 51 (1929).  
*Diervilla floribunda* sensu Palibin in Act. Hort. Petrop. 17: 105 (Consp. Fl. Kor. I. 1898) (1899), non Siebold & Zuccarini [1837].  
*Diervilla subsessilis* Nakai in Bot. Mag. Tokyo, 32: 229 (1918); Fl. Sylv. Kor. 11: 88, t. 41 (1921).
- W. coraeensis** Thunberg in Trans. Linn. Soc. Lond. 2: 331 (1794). — Bailey in Gent. Herb. 2: 52, fig. 26d (1929).  
*Diervilla coraeensis* De Candolle, Prodr. 4: 330 (1830). — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 119 (Tent. Syst. Caprifol. Jap.) (1921); Trees Shrubs Jap. 1: 506, fig. 270 (1922).  
*Diervilla grandiflora* Siebold & Zuccarini, Fl. Jap. 1: 71, t. 31 [1837]. — Nakai, Trees Shrubs Jap. rev. ed., 1: 702, fig. 319 (1927).  
*Weigela grandiflora* K. Koch, Hort. Dendr. 298 (1853).  
*Diervilla amabilis* Carrière in Rev. Hort. 1853: 305 (1853).  
*Weigela amabilis* Planchon in Fl. des Serr. 8: 287, t. 855 (1853).
- W. coraeensis** f. *alba* (Voss) Rehder in Jour. Arnold Arb. 20: 431 (1939).  
*Diervilla grandiflora alba* Dippel, Handb. Laubh. 1: 271 (1889), pro syn.
- Diervilla coraeensis* f. *alba* Voss, Vilmor. Blumengärt. 1: 420 [1894].  
*Diervilla grandiflora* var. *arborea* Rehder in Bailey, Cycl. Am. Hort. [1]: 483 (1900).  
*Weigela arborea grandiflora* hort. ex Rehder, l. c. (1900), pro syn.
- W. suavis** (Komar.) Bailey in Gent. Herb. 2: 52 (1929).  
*Diervilla suavis* Komarov in Repert. Sp. Nov. Reg. Veg. 9: 391 (1911).
- Sect. II. CALYSPHYRUM (Bunge) Bailey in Gent. Herb. 2: 52 (1929).  
*Calysphyrum* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 107 (Enum. Pl. Chin. Bor. 33. 1833) (1835).  
*Diervilla* sect. *Calysphyrum* A. de Candolle in Ann. Sci. Nat. Bot. sér. 2, 11: 241 (1839).
- W. florida** (Bunge) A. de Candolle in Ann. Sci. Nat. Bot. sér. 2, 11: 241 (1839). — Bailey in Gent. Herb. 2: 52 (1929).  
*Calysphyrum floridum* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 108 (Enum. Pl. Chin. Bor. 34. 1833) (1835).  
*Diervilla florida* Siebold & Zuccarini, Fl. Jap. 1: 75 [1838]. — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 112 (Tent. Syst. Caprifol. Jap.) (1921).  
*Weigela pauciflora* A. de Candolle in Ann. Sci. Nat. Bot. sér. 2, 11: 241 (1839).  
*Calysphyrum pauciflorum* Bunge mss. ex Walpers, Repert. Bot. Syst. 2: 450 (1843).  
*Weigela rosea* Lindley in Jour. Hort. Soc. Lond. 1: 65, 189, t. 6 (1846).  
*Diervilla rosea* Walpers, Ann. Bot. Syst. 1: 365 (1848).  
*Calysphyrum roseum* C. A. Meyer in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 13: 220 (1855).
- W. florida** f. *alba* (Carr.) Rehder in Jour. Arnold Arb. 20: 431 (1939).  
*Weigela alba* Carrière in Rev. Hort. 1861: 331, t. (1861).  
*Weigela rosea alba* T. Moore in Proc. Hort. Soc. Lond. 3: 280 (1863).  
*Weigela amabilis* var. *alba* Jäger, Ziergeh. 570 (1865).  
*Diervilla florida* f. *alba* Nakai in Jour. Coll. Sci. Tokyo, 42,2: 113 (1921).  
*Weigela florida* var. *alba* Hao in Contrib. Lab. Bot. Nat. Acad. Peiping, 1: 106 (1932).  
*Weigela florida* var. *glabra* f. *albida* Nakai in Jour. Jap. Bot. 12: 10 (1836).
- W. florida** f. *candida* (Voss) Rehder in Jour. Arnold Arb. 20: 431 (1939).  
*Diervilla rosea candida* Dippel, Handb. Laubh. 1: 269 (1889), pro syn.  
*Diervilla florida* f. *candida* Voss, Vilmor. Blumengärt. 1: 420 [1894], exclud. syn. — Rehder in Bailey, Cycl. Am. Hort. [1]: 483 (1900) "var." — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 113 (1921).  
*Weigela florida* var. *glabra* f. *leucantha* Nakai in Jour. Jap. Bot. 12: 10 (1936).  
*Weigela florida* f. *alba* Rehder in Man. Cult. Trees Shrubs, ed. 2, 851, (1940), non var. *alba* Hao (1932).
- W. florida** f. *variegata* (Bean), grad. nov.  
*Diervilla florida* var. *variegata* Bean, Trees Shrubs Brit. Isl. 1: 490, fig. (1914).  
*Weigela florida* var. *variegata* Bailey in Gent. Herb. 2: 53 (1929).  
*Diervilla Sieboldii* Hort. ex Bailey, l. c. (1929), pro syn.

**Weigela** (continued)

**W. florida** var. **venusta** (Rehd.) Nakai in Jour. Jap. Bot. **12**: 9 (1936).

*Diervilla florida* sensu Palibin in Act. Hort. Petrop. **17**: 105 (1899), non Siebold & Zuccarini [1838].

*Diervilla florida* var. **venusta** Rehder in Mitt. Deutsch. Dendr. Ges. **1913**(22): 263 [1914].

*Diervilla brevicalcina* Nakai in Bot. Mag. Tokyo, **29**: 5 (1915).

*Diervilla florida* f. **brevicalcina** Nakai in Jour. Coll. Sci. Tokyo, **42**: 114 (1921); Fl. Sylv. Kor. **11**: 88, t. 40 (1921) "var. **venusta** f."

*Diervilla venusta* Stapf in Bot. Mag. **151**: t. 9080 (1925). *Weigela venusta* Bailey in Gent. Herb. **2**: 54 (1929).

**W. praecox** (Lemoine) Bailey in Gent. Herb. **2**: 54 (1929). *Diervilla florida* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. **31**: 59 (in Mém. Biol. **12**: 482) (1886), p. p.; non Siebold & Zuccarini [1838].

*Diervilla* (*Weigela*) **praecox** [Lemoine] Anon. in Gard. Chron. ser. 3, **16**: 718 (1894, Dec.) "Abstr. from Lemoine Cat." — Lemoine, Cat. No. **130**: 31 (1895). — [Wittmack in] Gartenfl. **46**: 393, t. 1441 (1897). — Nakai in Jour. Coll. Sci. Tokyo, **42**: 111 (1921).

?*Diervilla Wolfiana* Schneider, Ill. Handb. Laubh. **2**: 1061, fig. 626 (1912). — E. Wolf in Mitt. Deutsch. Dendr. Ges. **1928**(40): 51 (1928).

Sect. III. **WEIGELASTRUM** (Nakai) Rehder in Jour. Arnold Arb. **20**: 429 (1939).

*Diervilla* subgen. *Calyptrostigma* Nakai in Jour. Coll. Sci. Tokyo, **42**: 109 (1921), p. p.

*Diervilla* sect. **Weigelastrum** Nakai, Trees Shrubs Jap. rev. ed., **1**: 691 (1927).

*Weigelastrum* Nakai in Jour. Jap. Bot. **12**: 5 (1936).

**W. Maximowiczii** (S. Moore) Rehder in Jour. Arnold Arb. **20**: 429 (1939).

*Diervilla Middendorffiana* var. **Maximowiczii** S. Moore in Jour. Bot. **16**: 129 (1878).

*Diervilla Middendorffiana* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. **31**: 59 (in Mém. Biol. **12**: 482) (1886), p. p.; non Carrière (1853).

*Diervilla Maximowiczii* Makino in Jour. Jap. Bot. **1**: 13 (1917).

*Diervilla Middendorffiana* var. **subsessilis** Koidzumi in herb. ex Nakai in Jour. Coll. Sci. Tokyo, **42**: 110 (1921), pro syn.

*Diervilla Sakaii* Makino & Honda ex Honda in Jour. Jap. Bot. **11**: 567 (1935). — Nakai in Jour. Jap. Bot. **12**: 6, fig. 2 (1936), pro syn.

*Weigelastrum Maximowiczii* Nakai in Jour. Jap. Bot. **12**: 5 (1936); Iconogr. Pl. As. Or. **4**: 359, t. 117 (1941).

Sect. IV. **CALYPTROSTIGMA** (Koehne) Rehder in Jour. Arnold Arb. **20**: 429 (1939).

*Calyptrostigma* Trautvetter & Meyer in Bull. Acad. Sci. St. Pétersb. **13**: 220 (1855). — Bailey in Gent. Herb. **2**: 45 (1929). — Non Klotzsch (1844).

*Wagneria* Lemaire in Ill. Hort. **4**: t. 115 (1857); non Klotzsch (1854).

*Diervilla* sect. *Calyptrostigma* Koehne, Deutsche Dendr. **539** (1893). — Nakai in Jour. Coll. Sci. Tokyo **42**: 109 (Tent. Syst. Caprifol. Jap.) (1921), p. p.

*Macrodiervilla* Nakai in Jour. Jap. Bot. **12**: 3 (1936).

**W. Middendorffiana** (Trautv. & Mey.) K. Koch, Hort. Dendr. **298** (1853). — Lemoine in Ill. Hort. **4**: t. 115, p. [1] (1857) "*Weigelia*."

*Calyptrostigma Middendorffianum* Trautvetter & Meyer in Bull. Acad. Sci. St. Pétersb. **13**: 220 (1847).

*Diervilla Middendorffiana* Carrière in Rev. Hort. **1853**: 306 (1853); **1854**: 261, t. 14 (1854).

*Wagneria Middendorffiana* Lemaire in Ill. Hort. **4**: t. 115, p. [1] (1857), pro syn.

*Macrodiervilla Middendorffiana* Nakai in Jour. Jap. Bot. **12**: 4 (1936).

**W. Wagneri** ([*W. coreensis* × *florida*] × *Middendorffiana*) (Kusnetz.) Bailey in Gent. Herb. **2**: 53 (1929).

*Diervilla Wagneri* Kusnetzov in Gartenfl. **48**: 201, t. 1461 (1899) "*D. florida* × *Middendorffiana*."

**W. hybrida** Jäger in Jäger & Beissner, Ziergeh. ed. 2, **422** (1884), nomen omnes formas hybridas amplexens.\*)

*Diervilla hybrida* Hort. ex Dippel, Handb. Laubh. **1**: 274 (1889).

*Diervilla intermedia* (*D. florida* × *grandiflora*) hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. **465** (1903), nom. subnud. — Schneider, Ill. Handb. Laubh. **2**: 748 (1911). — Vix *Weigela i.* hort. ex Kirchner in Petzold & Kirchner, Arb. Muscav. **443** (1864), nom. subnud.

Trib. V. **LONICERAE** Brown ex De Candolle, Prodr. **4**: 329 (1830), p. p. typ. — Fritsch in Nat. Pflanzenfam. IV. **4**: 164 (1891), p. p. typ.

*Caprifoliaceae* trib. *Caprifoliaceae* A. Richard ex De Candolle, Prodr. **4**: 329 (1830), p. p. typ.; pro syn. [A. Richard in Dict. Class. Hist. Nat. **3**: 173 (1823) "Caprifoliacées † Caprifoliées"]].

*Lonicereae* subord. *Lonicereae Verae*, Endlicher, Gen. Pl. **576** [1838], p. p. typ.

*Caprifoliaceae* trib. *Lonicereae* subtr. *Caprifoliae* Torrey & Gray, Fl. N. Am. **2**: 2 [1841], p. p. typ.

*Loniceraceae* a. *Lonicereae* Horaninov, Char. Ess. Fam. Reg. Veg. **96** (1847), p. p. typ.

*Caprifoliaceae* II. *Loniceroideae* Luerssen, Grundz. Bot. **321** (1877), p. p. typ.

*Caprifoliaceae* trib. *Chamaecerasae* Nakai, Fl. Sylv. Kor. **11**: 53 (1921).

**LONICERA** Linnaeus, Sp. Pl. **173** (1753), exclud. sp. nonnull.; Gen. Pl. ed. 5, **80**, no. **210** (1754). — Bentham & Hooker f., Gen. Pl. **2**: 5 (1873). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 232 pp., 20 tt. (Syn. *Lonicera*) (1903).

*Caprifolium* Zinn, Cat. Pl. Gotting. **210** (1757). — Kuntze, Rev. Gen. Pl. **1**: 273 (1891).

*Euchyllia* Dulac, Fl. Haut.-Pyrén. **463** (1867).

LECTOTYPUS: *L. Xylosteum* L.

Subgen. I. **CHAMAE CERASUS** (L.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 39 (Syn. *Lonicera*) (1903).

*Lonicera* \* *Chamaecerasa* Linnaeus, Sp. Pl. **173** (1753), sphalm. "*Chamaecerosa*"; ed. 2, **1**: 247 (1762). — Willdenow, Sp. Pl. **1**: 2: 985 [1798].

*Xylosteon* Miller, Gard. Dict. ed. abridg. **4**, **3** (1754). — Jussieu, Gen. Pl. **212** (1789). — Medicus, Beytr. Pflanzen-Anat. **97** (1799), nom. altern. "*Xylosteum*." — Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1679 (1803) "*Xylosteum*."

*Chamaecerasus* Medicus, Philos. Bot. **1**: 126 (1789).

*Cobaea* Necker, Elem. Bot. **1**: 129 (1790).

*Lonicera* sect. *Xylosteum* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **4**: 271 (1805).

\*) For lists of hybrid garden forms under their horticultural names with indication of their probable parentage, see Rehder in Bailey, Stand. Cycl. Hort. **2**: 1009 (1914); Man. Cult. Trees Shrubs, ed. 2, **851**, **852** (1940). — Schneider in Mitt. Deutsch. Dendr. Ges. **42** (1930): **20-23** (1930).

- Chamaerasia* Rafinesque in Ann. Gén. Sci. Phys. 6: 83 (1820).  
*Lonicera* subgen. *Eulonicera* Dippel, Handb. Laubh. 1: 220 (1889).
- Sect. I. ISOXYLOSTEUM Rehder in Ann. Rep. Missouri Bot. Gard. 14: 42 (Syn. *Lonicera*) (1903).
- L. Myrtillus** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 168 (1858).—Rehder in op. cit. 44 (1903).  
*Lonicera parvifolia* var. *Myrtillus* C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 13 (1882).  
*Lonicera depressa* var. *Myrtillus* [Nicholson] in Kew Hand-list Trees & Shrubs, 2: 13 (1896).
- L. Myrtillus** var. *depressa* Rehder in Sargent, Trees & Shrubs, 1: 87 (1903).  
*Lonicera depressa* Royle, Ill. Bot. Himal. 236 [1835], nom.—[Nicholson] in Kew Hand-list Trees & Shrubs, 2: 13 (1896).  
*Lonicera parvifolia* Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 168 (1858), non Hayne (1822), nec Edgeworth (1851).  
*Caprifolium parvifolium* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. myrtilloides** Purpus in Mitt. Deutsch. Dendr. Ges. 1907(16): 255, t. 9 [1908]; in Repert. Sp. Nov. Reg. Veg. 7: 361 (1909).
- L. angustifolia** Wallich, Num. List. no. 480 [1829], nom.—De Candolle, Prodr. 4: 337 (1830).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 45 (Syn. *Lonicera*) (1903).  
*Caprifolium angustifolium* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. syringantha** Maximowicz in Bull. Acad. Sci. St. Pétersb. 24: 49 (in Mém. Biol. 10: 77. 1878) (1877).—Rehder in op. cit. 46 (1903).  
*Caprifolium syringanthum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera rupicola* f. *syringantha* Zabel in Beoissner et al., Handb. Laubh.-Ben. 462 (1903).
- L. syringantha** var. *Wolfii* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 47 (Syn. *Lonicera*) (1903).  
*Lonicera Wolfii* Hao in Bot. Jahrb. 68: 640 (1938).
- L. tibetica** Bureau & Franchet in Jour. de Bot. 5: 48 (1891).—Rehder in op. cit. 45 (1903).  
*Lonicera rupicola* (f.) *tibetica* (hort. gall.) Zabel in Beissner et al., Handb. Laubh.-Ben. 462 (1903).
- L. rupicola** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 168 (1858).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 46 (Syn. *Lonicera*) (1903).
- L. tomentella** Hooker f. & Thomson in op. cit. 167 (1858).—Rehder in op. cit. 45 (1903).  
*Caprifolium tomentellum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. spinosa** Jacquemont ex Walpers, Repert. Bot. Syst. 2: 449 (1843).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 48 (Syn. *Lonicera*) (1903).  
*Xylosteum spinosum* Decaisne in Jacquemont, Voy. l'Inde, 4: 78, t. 86 (1844).  
*Lonicera linearis* Royle in herb. ex Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 168 (1858).  
*Caprifolium spinosum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. spinosa** var. *Alberti* (Regel) Rehder in Möller's Deutsch. Gärt.-Zeit. 10: 363 (1895); in Ann. Rep. Missouri Bot. Gard. 14: 48 (Syn. *Lonicera*) (1903).  
*Lonicera Alberti* Regel in Act. Hort. Petrop. 7: 550 (1881).  
*Chamaecerasus Alberti* Carrière in Rev. Hort. 1886: 547 (1886).
- Sect. II. ISIKA (Adans.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 49 (Syn. *Lonicera*) (1903).—Nakai in Jour. Coll. Sci. Tokyo, 42, 2: 78 (Tent. Syst. Caprifol. Jap.) (1921) "*Ishika*."  
*Isika* Adanson, Fam. Pl. 2: 501 (1763).—Moench, Meth. Pl. 504 (1794) "*Isica*."  
*Lonicera* §. *Isicae* De Candolle, Prodr. 4: 336 (1830).  
*Distegia* Rafinesque, New Fl. N. Am. 3: 30 [1838].
- L. purpurascens** Walpers, Repert. Bot. Syst. 2: 449 (1843).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 53 (Syn. *Lonicera*) (1903).  
*Lonicera sericea* Royle, Ill. Bot. Himal. 236 [1835], nom.—Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 167 (1858).  
*Xylosteum purpurascens* Decaisne in Jacquemont, Voy. l'Inde, 4: 79, t. 87 (1844).  
*Caprifolium purpurascens* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. obovata** Royle ex Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 169 (1858).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 56 (Syn. *Lonicera*) (1903).  
*Lonicera obovata* Royle, Ill. Bot. Himal. 236 [1835], nom.  
*Lonicera glauca* Royle, l. c. [1835], nom.; non Hill (1768), nec Meerburgh (1798).  
*Lonicera parvifolia* Edgeworth in Trans. Linn. Soc. Lond. 20: 60 (1851), non Hayne (1822).  
*Caprifolium obovatum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. tangutica** Maximowicz in Bull. Acad. Sci. St. Pétersb. 24: 48 (in Mém. Biol. 10: 75. 1878) (1877).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 59 (Syn. *Lonicera*) (1903); in Jour. Arnold Arb. 16: 335 (1935).  
*Caprifolium tanguticum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera Rocheri* Léveillé in Bull. Acad. Intern. Géog. Bot. 24 (no. 301): 289 (1914).
- L. szechuanica** Batalin in Act. Hort. Petrop. 14: 172 (1895).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 59 (Syn. *Lonicera*) (1903).  
*Lonicera tangutica* var. *glabra* Batalin in op. cit. 171 (1895).
- L. Schneideriana** Rehder in Sargent, Pl. Wilson. 1: 133 (1911); in Schneider, Ill. Handb. Laubh. 2: 690, fig. 439k-l, 440h (1911).
- L. trichopoda** Franchet in Jour. de Bot. 10: 317 (1896).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 56 (Syn. *Lonicera*) (1903).  
*Lonicera gracilipes* sensu Graebner in Bot. Jahrb. 29: 596 (1901), non Miquel (1866).
- L. saccata** Rehder in Sargent, Trees & Shrubs, 1: 39, t. 20 (1902).
- L. microphylla** Willdenow ex Roemer & Schultes, Syst. Veg. 5: 258 (1819).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 61 (Syn. *Lonicera*) (1903).  
*Lonicera alpigena* sensu Sievers in Pallas, Neue Nord. Beytr. 7: 274 (1797), nom.; non Linnaeus (1753).

**Lonicera microphylla** (continued)

- Lonicera Sieversiana* Bunge in Mém. Div. Sav. Acad. Sci. St. Pétersb. 2: 534 (Verzeich. Altai-Geb. Pflanz. 18. 1836) (1835).
- Lonicera Bungeana* Ledebour, Fl. Ross. 2: 391 (1844).
- Xylosteum Sieversianum* Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 7, 14,4: 50 (Sert. Tianschan.) (1869).
- Xylosteum Bungeanum* Ruprecht, l. c. (1869).
- Caprifolium microphyllum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- Caprifolium Bungeanum* Kuntze, l. c. (1891).
- L. canadensis** Bartram, Cat. Am. Trees Bartram's Gard. broadsheet, col. 3 (1785 vel prius), nom. — Bartram's Gard. ex Marshall, Arbust. Am. 81 (1785). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 64 (Syn. *Lonicera*) (1903). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 3: 281, fig. 3989 (1913).
- Xylosteum tataricum* Michaux, Fl. Bor.-Am. 1: 66 (1803), non Dumont de Courset (1802).
- Lonicera ciliata* Muhlenberg, Cat. Pl. Am. Sept. 23 (1813), nom. — Poiret, Encycl. Méth. Bot. Suppl. 5: 612 (1817). — Gray, Syn. Fl. N. Am. 1,2: 15 (1884), exclud. syn. Linn.
- Xylosteum ciliatum* Pursh, Fl. Am. Sept. 1: 161 (1814).
- Caprifolium ciliatum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. utahensis** S. Watson, Bot. (in C. King, Rep. Geol. Expl. 40th Parall. 5: 133) (1871). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 64 (Syn. *Lonicera*) (1903).
- Caprifolium utahense* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- Xylosteon utahensis* Howell, Fl. Northwest Am. 1: 282 (1900).
- Lonicera ebractulata* Rydberg in Mem. New York Bot. Gard. 1: 372 (1900).
- Lonicera ciliata* sensu Piper & Beattie, Fl. Palouse Reg. 170 (1901), non Poiret (1817).
- L. gracilipes** Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 270 (Prol. Fl. Jap. 158) (1866). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 65 (Syn. *Lonicera*) (1903).
- Caprifolium uniflorum* Siebold ex Miquel, l. c. (1866), pro syn.
- Lonicera uniflora* Blume in herb. ex Miquel, l. c. (1866), pro syn.
- Xylosteum phylomelae* Jakob-Makoy in Belg. Hort. 16: 270 (1866). — Lavallée, Arb. Segrez. 141 (1877) "*Phylomelae* hort.", pro syn.
- Lonicera Phylomelae* Carrière in Rev. Hort. 1872: 160 (1872). — Dippel, Handb. Laubh. 1: 257 (1889) "*Phylomelae*," pro syn.
- ?*Symphoricarpus puniceus* K. Koch, Dendr. 2,1: 150 (1872), non Sims (1824).
- Lonicera japonica* hort. ex Dippel, l. c. (1889), non Thunberg (1784).
- Caprifolium gracilipes* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- Lonicera gracilipes* a. *genuina* Makino in Bot. Mag. Tokyo, 12: (17) (1898), nom. — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 81 (1921).
- L. gracilipes** var. *glabra* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 270 (Prol. Fl. Jap. 158) (1866). — Nakai, Trees Shrubs Jap. rev. ed., 1: 655, fig. 295B-D (1927).
- L. gracilipes** f. *albiflora* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 66 (Syn. *Lonicera*) (1903) "var. *glabra* f. a."
- Lonicera gracilipes* var. *albiflora* Maximowicz in Bull. Acad. Sci. St. Pétersb. 24: 49 (in Mém. Biol. 10: 76. 1878) (1877) "γ." — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 81 (1921).

- L. tenuipes** Nakai in op. cit. 83 (1921); Trees Shrubs Jap. rev. ed., 1: 656, fig. 296 (1927).
- Lonicera gracilipes* var. *glandulosa* Maximowicz in Bull. Acad. Sci. St. Pétersb. 31: 58 (in Mém. Biol. 12: 481) (1886).
- Lonicera glandulosa* Koidzumi in sched. ex Nakai in op. cit. 84 (1921), p. p., pro syn.
- Lonicera tenuipes* var. *glandulosa* Nakai, l. c. (1921).
- L. coerulea** Linnaeus, Sp. Pl. 174 (1753) "*caerulea*." — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 67 (Syn. *Lonicera*) (1903).
- Lonicera pyrenaica* Pallas, Reise Russ. Reich. 2: 568 (1773), nom.; cf. Fl. Ross. 1: 58, nota. — Georgi, Geog.-phys. Besch. Russ. Reich. 3: 779 (1800), nom. subnud. — Non Linnaeus (1773).
- Caprifolium caeruleum* Lamarck, Fl. Franç. 3: 366 (1778).
- Chamaecerasus coerulea* Delarbre, Fl. d'Auvergne, ed. 2, 1: 131 (1800).
- Xylosteum coeruleum* Dumont de Courset, Bot. Cult. 2: 575 (1802).
- Isika coerulea* Borkhausen, Handb. Forstbot. 2: 1682 (1803).
- Euchylia coerulea* Dulac, Fl. Haut.-Pyrén. 463 (1867).
- L. coerulea** var. *glabrescens* Ruprecht, Beitr. Pflanzenk. Russ. Reich. 2: 37 (1845), nom. — Herder in Bull. Soc. Nat. Moscou, 37,1: 205 (1864).
- Lonicera coerulea* a. Turczaninov in Bull. Soc. Nat. Moscou, 18: 305 (1845).
- Lonicera coerulea* a. *glabriuscula* Regel, Russk. Dendr. 143 (1873).
- L. coerulea** f. *salicifolia* (Dipp.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 70 (Syn. *Lonicera*) (1903). — Nakai in Jour. Coll. Sci. Tokyo, 42,2: 88 (1921); Trees Shrubs Jap. rev. ed., 1: 663, fig. 299 (1927).
- Lonicera coerulea* h. *salicifolia* Dippel, Handb. Laubh. 1: 266, fig. 177 (1889).
- L. coerulea** var. *dependens* (Dipp.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 70 (Syn. *Lonicera*) (1903).
- Lonicera coerulea* e. *dependens* Regel ex Dippel, Handb. Laubh. 1: 265 (1889).
- Lonicera coerulea* f. *graciliflora* Dippel, op. cit. 266 (1889), litt. f., non f[orma]. — Rehder, l. c. (1903) "f."
- Lonicera Karelini* hort. ex Dippel, l. c. (1889), pro syn.; non Bunge (1849).
- Lonicera stenantha* Poiarkova in Jour. Bot. U. R. S. S. 20: 151, fig. 4 (1935).
- L. coerulea** f. *viridifolia* (Dipp.) Rehder, l. c. (1903).
- Lonicera coerulea* g. *viridifolia* Dippel, l. c. (1889).
- Lonicera Kirilowi* hort. ex Dippel, l. c. (1889), pro syn.
- Lonicera coerulea* Kirilowi Hansen in Bull. U. S. Exp. Sta. S. Dakota, 72: 130 (1901).
- Lonicera coerulea* f. *parvifolia* Dippel ex Zabel in Beissner et al., Handb. Laubh.-Ben. 463 (1903).
- L. coerulea** var. *angustifolia* Regel, Russk. Dendr. 144 (1873) "*caerulea* η. a."
- L. coerulea** var. *altaica* Pallas, Fl. Ross. 1: 58, t. 37 (1789). — Sweet, Hort. Brit. ed. 2, 258 (1830) "β." — Dippel, Handb. Laubh. 1: 265 (1889). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 71 (Syn. *Lonicera*) (1903).
- Lonicera altaica* Pallas, Fl. Ross. 1: t. 37 (1789), var. *altaica* in textu. — De Candolle, Prodr. 4: 337 (1830).
- Lonicera Pallasii* Ledebour in Ind. Sem. Hort. Dorpat. 1821(app.): 20 (1821); Icon. Fl. Ross. 2: 12, t. 131 (1830).



- Lonicera coerulea*  $\beta$ . Turczaninov in Bull. Soc. Nat. Moscou, **18**, 1: 305 (1845).
- Lonicera caerulea*  $\beta$ . *hirsuta* Regel, Russk. Dendr. 143 (1873).
- Lonicera coerulea*  $\beta$ . *villosa* sensu Maximowicz in Bull. Acad. Sci. St. Pétersb. **24**: 48 (in Mém. Biol. **10**: 75) (1877), non Torrey & Gray (1841).
- Lonicera coerulea kamschatica* hort. Kesselring ex Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 72 (Syn. *Lonicera*) (1903).
- L. coerulea** var. *edulis* Regel, Russk. Dendr. 144 (1873) "*caerulea*  $\gamma$ ." — Rehder, l. c. (1903). — Nakai in Jour. Coll. Sci. Tokyo, **42**, 2: 85 (Tent. Syst. Caprifol. Jap.) (1921).
- Lonicera caerulea*  $\gamma$ . Turczaninov in Bull. Soc. Nat. Moscou, **18**, 1: 306 (1845). — Herder in Bull. Soc. Nat. Moscou, **37**, 1: 205, t. 3, fig. 1–2, a (Pl. Radd. Monopet.) (1864).
- Lonicera edulis* Turczaninov pl. exsicc. ex Turczaninov, l. c. (1845), pro syn.
- L. villosa** (Michx.) Roemer & Schultes, Syst. Veg. **5**: 256 (1819). — Fernald in Rhodora, **27**: 8 (1925).
- Xylosteum villosum* Michaux, Fl. Bor.-Am. **1**: 106 (1803).
- Lonicera villosa* Muhlenberg, Cat. Pl. Am. Sept. 23 (1813), nom.
- Lonicera velutina* De Candolle, Prodr. **4**: 337 (1830).
- Lonicera caerulea* sensu Hooker, Fl. Bor.-Am. **1**: 283 [1834]. — Gray, Syn. Fl. N. Am. **1**, 2: 15 (1884). — Non Linnaeus (1753).
- Lonicera caerulea* var. *villosa* Torrey & Gray, Fl. N. Am. **2**: 9 (1841).
- Lonicera villosa* var. *typica* Fernald in Rhodora, **27**: 5 (1925).
- L. villosa** var. *Solonis* (Eat.) Fernald in op. cit. 6 (1925).
- Xylosteum solonis* Eaton, Man. Bot. N. Am. 26 (1817).
- Lonicera Solonis* Sprengel, Syst. Veg. **1**: 759 (1825), p. p.
- Lonicera caerulea* var. *villosa* Torrey & Gray, Fl. N. Am. **2**: 9 (1841).
- Lonicera caerulea*  $\epsilon$ . *Solonis* Regel, Russk. Dendr. 144 (1873).
- Lonicera caerulea canadensis* Lamarck ex Delamare, Renaud & Cardot in Ann. Soc. Bot. Lyon, **15**: 85 (Fl. Miquelon. 21. 1888) (1887), non *L. c.*  $\beta$ . Lamarck [1785].
- L. villosa** var. *calvescens* (Fern. & Wiegand) Fernald in Rhodora, **27**: 8 (1925).
- Lonicera caerulea* var. *calvescens* Fernald & Wiegand in Rhodora, **12**: 210 (1910), p. p. typ.
- L. villosa** var. *tonsa* Fernald in op. cit. 9 (1925).
- Lonicera caerulea* var. *calvescens* Fernald & Wiegand, l. c. (1910), p. p.
- L. cauriana** Fernald in op. cit. 10 (1925).
- L. pileata** Oliver in Hooker's Icon. Pl. **16**: t. 1585 (1887). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 76 (Syn. *Lonicera*) (1903); in Jour. Arnold Arb. **16**: 336 (1935).
- Caprifolium pileatum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- Lonicera ligustrina* a. *pileata* Franchet in Jour. de Bot. **10**: 317 (1896).
- Lonicera missionis* Léveillé, Fl. Kouy-Tchéou, 63 (1914), p. p. quoad specim. Laborde 2502.
- Lonicera buxifolia* Léveillé, l. c. (1914).
- L. pileata** f. *yunnanensis* (Franch.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 76 (Syn. *Lonicera*) (1903).
- Lonicera ligustrina*  $\beta$ . *yunnanensis* Franchet, Jour. de Bot. **10**: 317 (1896).
- L. nitida** Wilson in Gard. Chron. ser. 3, **50**: 102 (1911).
- Lonicera pileata* sensu Rehder in Sargent, Pl. Wilson **1**: 135 (1911), p. p., quoad Wilson no. 833.
- L. gynochlamydea** Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 362 (1888). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 75 (Syn. *Lonicera*) (1903).
- Caprifolium gynochlamydeum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. Ferdinandi** Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, **6**: 31, t. 12, fig. A (Pl. David. **1**: 151, t. 12, fig. A. 1884) (1883).
- Lonicera Ferdinandii* f. a. *Franchetii* Zabel in Mitt. Deutsch. Dendr. Ges. **1908**(17): 188 (1908); in Repert. Sp. Nov. Reg. Veg. **8**: 346 (1910).
- Lonicera Ferdinandi* var. *typica* Rehder in Schneider, Ill. Handb. Laubh. **2**: 696 (1911).
- L. Ferdinandi** var. *leycesterioides* (Graebn.) Rehder in Sargent, Pl. Wilson. **1**: 135 (1911).
- Lonicera leycesterioides* Graebner in Bot. Jahrb. **36**, Beibl. **82**: 100 (1905).
- Lonicera Ferdinandii* f. c. *Beissneriana* Zabel in Mitt. Deutsch. Dendr. Ges. **1908**(17): 189 (1908); in Repert. Sp. Nov. Reg. Veg. **8**: 346 (1910).
- Lonicera Ferdinandii* f. d. *leycesterioides* Zabel, l. c. (1908); l. c. (1910).
- L. Ferdinandi** var. *induta* Rehder in Jour. Arnold Arb. **7**: 35 (1926).
- L. vesicaria** Komarov in Act. Hort. Petrop. **18**: 427 (1901); **25**: 518, t. 7 (Fl. Mansh. III) (1907). — Nakai, Fl. Sylv. Kor. **11**: 70, t. 27 (1921).
- Lonicera Ferdinandii* f. b. *vesicaria* Zabel in Mitt. Deutsch. Dendr. Ges. **1908**(17): 189 (1908); in Repert. Sp. Nov. Reg. Veg. **8**: 346 (1910).
- L. iberica** Bieberstein, Fl. Taur.-Cauc. **1**: 158 (1808). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 79 (Syn. *Lonicera*) (1903).
- Lonicera alpigena* sensu Gleditsch, Reis. Russl. **1**: 429 (1787), nom. — Pallas, Fl. Ross. **1**: 57 (1784). — Non Linnaeus (1753).
- Xylosteum ibericum* [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, 44 (1812).
- Lonicera chlamyphora* K. Koch in Linnaea, **24**: 478 (1851).
- Chamaecerasus Iberica* Billiard in Hort. Franç. **1861**: 256 (1861).
- ?*Lonicera pubens* Hort. ex Lavallée, Arb. Segrez. 141 (1877), nom.
- Lonicera Aucheri* hort. ex Lavallée, l. c. (1877), pro syn.
- Caprifolium ibericum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- Lonicera ciliaris* Hort. [ex Nicholson] in Kew Hand-list Trees Shrubs, **2**: 17 (1896), pro syn.
- Lonicera iberica* f. *chlamyphora* Zabel in Beissner et al., Handb. Laubh.-Ben. 459 (1903). — Rehder in Schneider, Ill. Handb. Laubh. **2**: 697 (1911), sphalm. "*chlamydocarpa*."
- L. iberica** f. *microphylla* (Dipp.) Zabel, l. c. (1903). — Kotschy in herb. ex Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 80 (Syn. *Lonicera*) (1903).
- Lonicera iberica* a. *microphylla* Dippel, Handb. Laubh. **1**: 238 (1889).
- Lonicera microphylla* hort. ex Dippel, l. c. (1889), pro syn.; non Willdenow (1819).

**Lonicera** (*continued*)

- L. Standishii** Jacques in Jour. Soc. Nat. Hort. Paris, 5: 514 (1859). — Carrière in Fl. des Serr. 13: 63 (1860). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 81 (Syn. *Lonicera*) (1903). — Exell in Jour. Bot. 68: 299 (1930). *Chamaecerasus Standishii* Lescuyer in Hort. Franc. 1862: 138, t. 10 (1862).  
*Lonicera Fortunei* hort., *L. fragrans* hort. et *L. odoratissima* hort. ex K. Koch, Dendr. 2,1: 20 (1872), pro syn. *Lonicera sinensis* hort. ex Dippel, Handb. Laubh. 1: 225 (1889), pro syn.  
*Caprifolium Standishii* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. Standishii** f. *lancifolia* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 82 (Syn. *Lonicera*) (1903); in Sargent, Pl. Wilson. 1: 135 (1911).  
*Lonicera pseudoproterantha* Pampanini in Nuov. Giorn. Bot. Ital., n. ser. 17: 723, fig. 18 (1910).
- L. fragrantissima** Lindley & Paxton in Paxton's Flow. Gard. 3: 75, fig. 268 (1852). — Rehder, l. c. (1903).  
*Lonicera caprifolioides* K. Koch in Ind. Sem. Hort. Berol. 1871 (app.) 3 (1871); Dendr. 2,1: 19 (1872).  
*Lonicera Niaguarilli* hort. ex K. Koch, l. c. (1872), pro syn.  
*Lonicera odoratissima* hort. et *L. Magnevilleae* hort. ex Dippel, Handb. Laubh. 1: 226 (1889), pro syn.  
*Caprifolium fragrantissimum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera volgarensis* Hort. ex [Nicholson in] Kew Handlist Trees Shrubs, 2: 15 (1896), pro syn.  
*Chamaecerasus Niaguarilli* Hort. ex [Nicholson], l. c. (1896), pro syn.  
*Caprifolium Niaguarilli* Hort. ex [Nicholson], l. c. (1896), pro syn.  
*Xylosteon fragrantissimum* Small, Fl. Southeast. U. S. ed. 2, 1368 (1913).
- L. Purpusii** (*L. fragrantissima* × *Standishii*) Rehder in Jour. Arnold Arb. 4: 252 (1923). — Purpus in Gartenfl. 75: 165, 2 fig. (1926). — Heydenreich in Gartenschönh. 22: 93, fig. (1941).
- L. Altmannii** Regel & Schmalhausen in Act. Hort. Petrop. 5: 610 (1878). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 87 (Syn. *Lonicera*) (1903).  
*Lonicera tenuiflora* Regel & Winkler in Act. Hort. Petrop. 6: 305 (1880).  
*Caprifolium Altmannii* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Caprifolium tenuiflorum* Kuntze, l. c. (1891).  
*Lonicera Altmannii* f. *tenuiflora* Regel fil. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 460 (1903). — E. Wolf in Mitt. Deutsch. Dendr. Ges. 1928(40): 49 (1928) "var."
- L. Altmannii** var. *pilosiuscula* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 89 (Syn. *Lonicera*) (1903).
- L. Altmannii** var. *hirtipes* (E. Wolf) Rehder, l. c. (1903).  
*Lonicera hirtipes* Bunge msc. ex E. Wolf in Isv. Leningrad. Liesn. Inst. 3: 11, t. 11, fig. 4 (1898).  
*Lonicera hispidissima* Regel ex Wolf, l. c. (1898), pro syn.
- L. Olgae** Regel & Schmalhausen in A. P. Fedtschenko, Putesh. Turkest. 3,18: 41 (Regel, Descr. Pl. Nov. Rar. Fedtschenko Turkest. Lect.) (1882). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 90 (Syn. *Lonicera*) (1903).
- L. bracteolaris** Boissier & Buhse in Mém. Soc. Nat. Moscou, sér. 2, 12: 106 (1860). — Rehder, l. c. t. 12 (1903); in Schneider, Ill. Handb. Laubh. 2: 700, fig. 445f-h, 446c (1911).
- L. praeflorens** Batalin in Act. Hort. Petrop. 12: 169 (1892). — Rehder, l. c. t. 13, 14 (1903).
- L. hispida** Pallas ex Roemer & Schultes, Syst. Veg. 5: 258 (1819). — Rehder, in op. cit. 93 (1903).  
*Lonicera alpigena* Schangin in Pallas, Neue Nord. Beytr. 6: 93 (1793), nom.; non Linnaeus (1753).  
*Xylosteum hispidum* Steph. ex [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, 44 (1812).  
*Lonicera macrogyne* Klotzsch in Garcke, Reise Prinz Waldemar, 85, t. 72 (1862).  
*Lonicera hispida* var. *typica* Regel in Bull. Soc. Nat. Moscou, 40,1: 4 (1867).  
*Caprifolium hispidum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. hispida** var. *hirsutior* Regel, l. c. (1867). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 94 (Syn. *Lonicera*) (1903).  
*Xylosteum hispidum* var. *maxima* Ruprecht in Ostensacken & Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 7, 14,4: 50 (Sert. Tianschan.) (1869), nom.  
*Lonicera hispida* β. *hirta* Regel & Winkler in Act. Hort. Petrop. 6: 303 (1880).
- L. hispida** var. *bracteata* (Royle) Rehder msc. ex Airy-Shaw in Bot. Mag. 157: t. 9360 (1934). — Rehder, Man. Cult. Trees Shrubs, ed. 2, 861 (1940).  
*Lonicera bracteata* Royle, Ill. Bot. Himal. 1: 237 [1835, Aug.], t. 53 fig. 2 [1835, Dec.].  
*Lonicera hispida* sensu C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 11 (1880), p. p.; non Roemer & Schultes (1819).
- L. subdentata** Rehder in Sargent, Pl. Wilson. 1: 136 (1911).
- L. chaetocarpa** (Rehd.) Rehder in Sargent, Pl. Wilson. 1: 137 (1911). — Turrill in Bot. Mag. 145: t. 8804 (1919).  
*Lonicera hispida* var. *chaetocarpa* Batalin in herb. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 94 (Syn. *Lonicera*) (1903).
- L. strophophora** Franchet in Bull. Soc. Philom. Paris, sér. 7, 10: 142 (1886). — Rehder in op. cit. 95 (1903).  
*Lonicera pilosa* Maximowicz in Bull. Acad. Sci. St. Pétersb. 24: 47 (in Mém. Biol. 10: 73. 1878) (1877), non De Candolle (1830).  
*Lonicera Amherstii* Dippel, Handb. Laubh. 1: 263 (1889), p. p., quoad flores et syn. Maximowicz.  
*Caprifolium Amherstii* Kuntze, Rev. Gen. Pl. 1: 274 (1891), p. p.
- L. pyrenaica** Linnaeus, Sp. Pl. 174 (1753). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 97 (Syn. *Lonicera*) (1903).  
*Caprifolium pyrenaicum* Lamarck, Fl. Franc. 3: 360 (1778).  
*Xylosteum pyrenaicum* Dumont de Courset, Bot. Cult. 2: 575 (1802).  
*Xylosteum campaniflorum* Loddiges, Bot. Cab. 14: t. 1361 (1828).  
*Lonicera* ? *nigra* 2. *campaniflora* Loudon, Arb. Brit. 2: 1053, fig. 813, 814 (1838).  
*Chamaecerasus pyrenaica* Billiard in Hort. Franc. 1861: 256 (1861).  
*Lonicera majoricensis* Gandoger in Bull. Soc. Bot. France, 47: 136 (1900).

- L. involucreta** [Richards.] Banks ex Sprengel, Syst. Veg. 1: 759 (1825). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 98 (Syn. *Lonicera*) (1903).  
*Xylosteum involucreatum* Richardson in Franklin, Narr. Journey Polar Sea, 733 (Bot. Appx. 5) (1823).  
*Lonicera Mociniana* De Candolle, Prodr. 4: 336 (1830).  
*Lonicera gibbosa* [Sessé & Mociño,] Icon. Fl. Mex. [t. 446] ined. ex De Candolle, l. c. (1830), pro syn.; non Roemer & Schultes (1819).  
*Distegia nutans* Rafinesque, New Fl. N. Am. 3: 21 [1838].  
*Lonicera Webbiana* Hort. Simon-Louis ex Zabel in Gartenfl. 30: 369 (1881), pro syn.; non De Candolle (1830).  
*Caprifolium involucreatum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera Bordwelliana* hort. ex [Nicholson in] Kew Handlist Trees Shrubs, 2: 17 (1896), pro syn.  
*Distegia involucreta* Cockerell in Univ. Colorado Stud. 3: 50 (1905).
- L. involucreta f. serotina** Koehne in herb. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 99 (Syn. *Lonicera*) (1903); in Schneider, Ill. Handb. Laubh. 2: 704 (1911) "var."  
*Distegia involucreta serotina* Cockerell in Univ. Colorado Stud. 3: 51 (1905).
- L. involucreta f. humilis** Koehne in herb. ex Rehder in op. cit. 100 (1903); in Schneider, l. c. (1911) "var."
- L. involucreta var. flavescens** (Dipp.) Rehder in op. cit. 100 (1903); in Schneider, l. c. fig. 448c-d (1911).  
*Lonicera flavescens* Dippel in Gartenfl. 37: 7, fig. 1 (1888).  
*Caprifolium flavescens* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Distegia flavescens* Cockerell in Univ. Colorado Stud. 3: 51 (1905).
- L. Ledebourii** Eschscholtz in Mém. Acad. Sci. St. Pétersb. 10: 284 (1826). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 100 (Syn. *Lonicera*) (1903).  
*Lonicera involucreta* sensu Torrey & Gray, Fl. N. Am. 2: 9 (1841), p. p., non De Candolle (1830).  
*Chamaecerasus Ledebourii* Billiard in Hort. Franç. 1861: 256 (1861).  
*Lonicera intermedia* Kellogg in Proc. Calif. Acad. Sci. 1: 2: 154, fig. 47 (1863).  
*Caprifolium Ledebourii* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Distegia Ledebourii* Greene, Man. Bot. San Francisco Bay, 164 (1894).  
*Xylosteon Ledebourii* Howell, Fl. Northwest Am. 1: 282 [1900].  
*Lonicera involucreta* var. *Ledebourii* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 461 (1903), pro syn.  
*Lonicera Sieversii* hort. et *L. Maximowiczii* hort. ex Zabel, l. c. (1903), pro syn.
- L. propinqua** (*L. alpigena* × *Ledebourii*) Zabel in Gartenfl. 38: 580 (1889). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 203 (Syn. *Lonicera*) (1903).
- L. oblongifolia** Hooker, Fl. Bor.-Am. 1: 284, t. 100 [1834]. — Rehder in op. cit. 101 (1903).  
*Xylosteum oblongifolium* Goldie in Edinb. Philos. Jour. 6: 323 (1822).  
*Xylosteum villosum* sensu Torrey, Fl. N. Middle Sect. U. S. 1: 245 (1824), p. p.; non Michaux (1803).  
*Lonicera Solonis* Sprengel, Syst. Veg. 1: 759 (1825), p. p.  
*Lonicera villosa* De Candolle, Prodr. 4: 337 (1830), p. p. quoad syn. Goldie.
- Caprifolium oblongifolium* Kuntze, Rev. Gen. Pl. 1: 274 (1891), non Sweet (1830).
- L. oblongifolia var. altissima** (Jennings) Rehder in Bailey, Stand. Cycl. Hort. 4: 1908 (1915); in Mitt. Deutsch. Dendr. Ges. 1915(24): 228 [1916].  
*Lonicera altissima* Jennings in Ann. Carnegie Mus. 4: 74, t. 20 (1906); in Repert. Sp. Nov. Reg. Veg. 6: 120 (1908).
- L. alpigena** Linnaeus, Sp. Pl. 174 (1753). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 105 (Syn. *Lonicera*) (1903).  
*Caprifolium alpinum* Lamarck, Fl. Franç. 3: 367 (1778).  
*Caprifolium alpigenum* Gaertner, Fruct. Sem. 1: 136 (1788).  
*Isika lucida* Moench, Meth. Pl. 504 (1794).  
*Chamaecerasus alpigenus* Delarbre, Fl. Auvergne, ed. 2, 130 (1800).  
*Xylosteum alpinum* Dumont de Courset, Bot. Cult. 2: 575 (1802).  
*Isika alpigena* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1682 (1803).  
*Xylosteum alpigenum* [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, 44 (1812).  
*Euchylia alpigena* Dulac, Fl. Haut-Pyrén. 463 (1867).
- L. alpigena f. nana** [Carr.] Zabel in Beissner et al., Handb. Laubh.-Ben. 453 (1903, May) "(f.)" — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 106 (Syn. *Lonicera*) (1903).  
*Chamaecerasus alpigena nana* Carrière in Rev. Hort. 1887: 63 (1887).  
*Lonicera alpigena nana* Nicholson, Ill. Dict. Gard. Suppl. 502 [1901].
- L. Glehni** Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, 12, 2: 143, t. 3, fig. 8-13 (Reis. Amurl. Sachal.) (1868). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 107 (Syn. *Lonicera*) (1903) "*Glehni*."  
*Caprifolium Glehni* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera alpigena* var. *Glehni* Nakai in Jour. Coll. Sci. Tokyo, 42, 2: 97 (Tent. Syst. Caprifol. Jap.) (1921).
- L. Webbiana** Wallich, Num. List, no. 476 [1829], nom. — De Candolle Prodr. 4: 336 (1830). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 108 (Syn. *Lonicera*) (1903).  
*Lonicera alpigena* sensu Hooker f. & Thomson in Jour. Soc. Linn. Lond. Bot. 2: 171 (1858), non Linnaeus (1753).  
*Lonicera Amherstii* hort. ex Dippel, Handb. Laubh. 1: 263, fig. 175 (1889), p. p. exclud. syn. Maximowicz.  
*Caprifolium Amherstianum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera alpigena Webbiana* Nicholson, Ill. Gard. Dict. Suppl. 502 [1901].
- L. heterophylla** Decaisne in Jacquemont, Voy. l'Inde, 4: 80, t. 88 (1844). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 109 (Syn. *Lonicera*) (1903).  
*Caprifolium heterophyllum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. heterophylla var. Karelini** (Kirill.) Rehder in op. cit. 110 (1903).  
*Lonicera sibirica* De Vest in Roemer & Schultes, Syst. Veg. 5: 259 (1819). — Penkovsky, Derev. Kust. Ross. 3: 10 (1901). — Non Georgi (1800).  
*Lonicera alpigena* β. *sibirica* De Candolle, Prodr. 4: 336 (1830).

**Lonicera heterophylla** var. **Karelini** (continued)

- Lonicera nigra* sensu Karelin & I. Kirilov in Bull. Soc. Nat. Moscou, **15**: 371 (1842), non Linnaeus (1753).  
*Lonicera Karelini* Bunge ex P. Kirillov, Lonic. Russ. Reich. **33** (1849).  
*Xylosteum Karelini* Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 7, **14**: 50 (in Osten-Sacken & Ruprecht, Sert. Tianschan.) (1869).  
*Caprifolium Karelini* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. tatsienensis** Franchet in Jour. de Bot. **10**: 313 (1896). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 108 (Syn. *Lonicera*) (1903).
- L. heteroloba** Batalin in Act. Hort. Petrop. **12**: 174 (1892). — Rehder in op. cit. 109, t. 15 (1903). — Sealy in Hooker's Icon. Pl. **35**: t. 3429 (1943).
- L. mupinensis** Rehder in Sargent, Pl. Wilson. **1**: 138 (1911).
- L. adenophora** Franchet in Jour. de Bot. **10**: 312 (1896). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 111 (Syn. *Lonicera*) (1903).
- L. conjugialis** Kellogg in Proc. Calif. Acad. Sci. **1**: 2: 67, fig. 15 (1863). — Rehder in op. cit. 115 (1903).  
*Lonicera Breweri* Gray in Proc. Am. Acad. Arts Sci. **6**: 537 (1865).  
*Caprifolium conjugiale* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).  
*Xylosteum conjugialis* Howell, Fl. Northwest Am. **1**: 282 [1900].  
*Lonicera sororia* Piper in Bull. Torrey Bot. Club, **29**: 644 (1902).
- L. Maximowiczii** (Rupr.) Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 137 (Prim. Fl. Amur.) (1859). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 116 (Syn. *Lonicera*) (1903).  
*Xylosteum Maximowiczii* Ruprecht in Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. **15**: 136, 370 (1857).  
*Caprifolium Maximowiczii* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. Maximowiczii** var. **sachalinensis** Fr. Schmidt in Mém. Acad. Sci. St. Pétersb. sér. 7, **12**: 2: 142 (Reise Amur. Sachal.) (1868).  
*Lonicera sachalinensis* Nakai, Fl. Sylv. Kor. **11**: 83, t. 37 (1921).
- L. Tatarinovii** Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. **9**: 138 (Prim. Fl. Amur.) (1859). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 115 (Syn. *Lonicera*) (1903).  
*Caprifolium Tatarinovii* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. Tatarinovii** var. **leptantha** (Rehd.) Nakai, Fl. Sylv. Kor. **11**: 81, t. 35 (1921).  
*Lonicera leptantha* Rehder in Repert. Nov. Sp. Reg. Veg. **6**: 274 (1908).  
*Lonicera hypoleuca* Nakai in Bot. Mag. Tokyo, **29**: 6 (1916), non Decaisne (1843).
- L. Chamissoi** Bunge in Kirillov, Lonic. Russ. Reich. **28** (1849). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 117 (Syn. *Lonicera*) (1903).  
*Lonicera nigra* sensu Chamisso & Schlechtendal in Linnaea, **3**: 137 (1828), non Linnaeus (1753).  
*Lonicera Riederiana* Fischer in herb. ex Herder in Bull. Soc. Nat. Moscou, **37**: 1: 208 (1864), pro syn.

*Caprifolium Chamissoi* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).

**L. subsessilis** Rehder in Jour. Arnold Arb. **2**: 126 (1920); **4**: 251 (1923).

*Lonicera Chamissoi* sensu Nakai, Rep. Veg. Diamond Mts. **185** (1918), nom.; non Bunge (1849).

*Lonicera diamantiaca* Nakai, Fl. Sylv. Kor. **11**: 80, t. 34 (1921).

**L. orientalis** Lamarck, Encycl. Méth. Bot. **1**: 731 [1785]. — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 117 (Syn. *Lonicera*) (1903).

*Xylosteum orientale* [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, 44 (1812).

*Caprifolium orientale* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).

*Lonicera orientalis* f. *typica* Zabel in Beissner et al., Handb. Laubh.-Ben. **453** (1903).

**L. orientalis** var. **caucasica** (Pallas) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 118 (Syn. *Lonicera*) (1903).

*Lonicera caucasica* Pallas, Fl. Ross. **1**: 59 (1784).

*Lonicera coerulea* sensu Güldenstädt, Reis. Russl. **1**: 421 (1787), nom.; non Linnaeus (1753).

*Lonicera orientalis* sensu Bieberstein, Fl. Taur.-Cauc. **1**: 158 (1808), non Lamarck [1785].

?*Lonicera tatarica* γ. *caucasica* Endlicher, Cat. Hort. Vindob. **1**: 459 (1842), nom.

*Lonicera Schmitziana* Rözl ex Kirchner in Petzold & Kirchner, Arb. Muscav. **440** (1864). — Dippel, Handb. Laubh. **1**: 247, fig. 159 (1889). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 118, 214 (1903), pro syn.

*Lonicera orientalis caucasica* Zabel, Syst. Verz. Münd. Kult. Pfl. **24** (1878); in Beissner et al., Handb. Laubh.-Ben. **453** (1903) "f."

*Caprifolium caucasicum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).

*Caprifolium Schmitzianum* Kuntze, l. c. (1891).

**L. orientalis** var. **longifolia** (Dipp.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 118 (Syn. *Lonicera*) (1903).

*Lonicera orientalis* a. *longifolia* Dippel, Handb. Laubh. **1**: 246, fig. 158 (1889).

*Lonicera kamtschatica* hort., *L. phyllomache* hort. ex Dippel, l. c. (1889), pro syn.

*Lonicera Kesselringi* Regel in Act. Hort. Petrop. **11**: 310 (1890). — Nicholson, Ill. Dict. Gard. Suppl. **503** (1901) "Kesselringii."

*Lonicera Savranica* hort. Späth ex Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 119 (Syn. *Lonicera*) (1903), pro syn.

**L. discolor** Lindley in Bot. Reg. **30**: t. 33, p. [2] (1844); **33**: t. 44 (1847). — Rehder, l. c. (1903).

*Lonicera orientalis* var. *discolor* C. B. Clarke in Hooker f., Fl. Brit. Ind. **3**: 15 (1880).

**L. nervosa** Maximowicz in Bull. Acad. Sci. St. Pétersb. **24**: 39 (in Mém. Biol. **10**: 62. 1878) (1877). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 121 (Syn. *Lonicera*) (1903).

*Caprifolium nervosum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).

**L. lanceolata** Wallich in Roxburgh, Fl. Ind. **2**: 177 (1824). — Rehder in op. cit. 124 (1903); in Jour. Arnold Arb. **16**: 337 (1935).

*Lonicera decipiens* Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. **2**: 170 (1858).

*Caprifolium decipiens* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).

*Lonicera acrophila* Léveillé in Bull. Acad. Intern. Géog. Bot. **24**(no. 301): 289 (1914).

- L. nigra** Linnaeus, Sp. Pl. 173 (1753).—Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 121 (Syn. *Lonicera*) (1903).  
*Caprifolium roseum* Lamarck, Fl. Franç. **3**: 368 (1778).  
*Xylosteum nigrum* Medicus, Beytr. Pflanzen-Anat. 97 (1799), nom. altern.—Dumont de Courset, Bot. Cult. **2**: 575 (1802) "*Xylosteon*."—Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1680 (1803).  
*Chamaecerasus nigra* Delarbre, Fl. Auvergne, ed. 2, 130 (1800).—Medicus, Beytr. Pflanzen-Anat. 390 (1800) "*niger*."  
*Lonicera carpatica* Kitaibel in Linnaea, **32**: 430 (1863), pro syn.  
*Lonicera coerulea* Kitaibel, l. c. (1863), pro syn.; non Linnaeus (1753).  
*Euchylia nigra* Dulac, Fl. Haut.-Pyrén. 463 (1867).  
*Caprifolium nigrum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).  
*Lonicera barbinervis* Komarov in Act. Hort. Petrop. **18**: 426 (1901).  
*Lonicera nigra* var. *barbinervis* Nakai, Fl. Sylv. Kor. **11**: 82, t. 36 (1921).
- SECT. III. COELOXYLOSTEUM Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 39, 124 (Syn. *Lonicera*) (1903).  
*Lonicera* §. *Chamaecerasi* De Candolle, Prodr. **4**: 335 (1830), p. p.
- L. tatarica** Linnaeus, Sp. Pl. 173 (1753).—Rehder in op. cit. 126 (1903).  
*Xylosteon cordatum* Moench, Meth. Pl. 502 (1794).  
*Xylosteum tartaricum* Medicus, Beytr. Pflanzen-Anat. 97 (1799), nom. altern.—Dumont de Courset, Bot. Cult. **2**: 575 (1802) "*Xylosteon tartaricum*."—Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1681 (1803) "*Xylosteum tartaricum*."  
*Chamaecerasus tartaricus* Medicus, op. cit. 390 (1800).—Billiard in Hortic. Franç. **1861**: 256 (1861) "*tataricus*."  
*Lonicera pyrenaica* hort. ex Regel in Gartenfl. **18**: 258 (1869), pro syn.; non Linnaeus (1753).  
*Lonicera discolor* hort. ex Regel, l. c. (1869), pro syn.; non Lindley (1844).  
*Caprifolium tataricum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. tatarica** f. *latifolia* (Loud.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 128 (Syn. *Lonicera*) (1903).  
*Xylosteum tataricum grandiflorum* [F. E. L. von Fischer], Cat. Jard. Gorenki, ed. 2, 44 (1812).  
*Lonicera tatarica* var. *latifolia* Loudon, Arb. Brit. **2**: 1053 (1838).  
*Lonicera tatarica grandiflora rubra* Pepin in Rev. Hort. **1844**: 109, t. (1844).  
*Lonicera tatarica* var. *grandiflora* Jacques & Herincq, Man. Pl. Arb. Arbust. **2**: 146 [1850?], nom.  
*Lonicera tatarica* var. *major* Jäger, Ziergeh. 297 (1865).  
*Lonicera tatarica rubrissima* Carrière in Rev. Hort. **1867**: 260 (1867).  
*Lonicera tatarica speciosa* Carrière in op. cit. **1868**: 392, t., fig. 1 (1868).  
*Lonicera tatarica* var. *splendens* Regel in Gartenfl. **18**: 258, t. 627, fig. 1 (1869).  
*Lonicera tatarica* var. *pulcherrima* Regel, l. c. fig. 5 (1869).
- L. tatarica** f. *sibirica* (Pers.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 127 (Syn. *Lonicera*) (1903).  
*Lonicera sibirica* Georgi, Geog.-phys. Besch. Russ. Reich. **3**: 779 (1800), nom.—Hort. ex De Candolle, Prodr. **4**: 335 (1830), pro syn.  
*Lonicera tatarica* β. *sibirica* Persoon, Syn. Pl. **1**: 213 (1805).
- ?*Lonicera punicea* Sims in Bot. Mag. **51**: t. 2469 (1824).  
*Lonicera tatarica* β. *rubra* Sweet, Hort. Brit. 195 (1826).  
*Lonicera tatarica* γ. *rubriflora* De Candolle, Prodr. **4**: 335 (1830).  
*Symphoria punicea* Loudon, Hort. Brit. 80 (1830).  
*Xylosteon puniceum* Rafinesque, New Fl. N. Am. **3**: 21 [1838].  
*Symphoricarpos puniceus* Sweet ex Loudon, Arb. Brit. **2**: 1054 (1838), pro syn.  
*Lonicera tatarica* δ. *purpurea* Endlicher, Cat. Hort. Vindob. **1**: 459 (1842), nom.  
*Caprifolium puniceum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. tatarica** f. *rosea* (Reg.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 128 (Syn. *Lonicera*) (1903).  
*Lonicera tatarica* var. *rosea* Regel in Gartenfl. **18**: 258, t. 627, fig. 4 (1869); Russk. Dendr. **3**: 140 (1873) "γ."
- L. tatarica** f. *alba* [Veillard] Rehder in op. cit. 127 (1903).  
*Lonicera pyrenaica* sensu Willdenow, Berlin. Baumz. 181 (1796), non Linnaeus (1753).  
*Lonicera tatarica* (var.) α. *alba* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], **1**: 51 [1801].  
*Lonicera tatarica* β. *albiflora* De Candolle, Prodr. **4**: 335 (1830), exclud. syn.
- L. tatarica** f. *angustifolia* (Kirchn.), grad. nov.  
*Lonicera angustata* Wenderoth in Flora, **9**: 357 (1828).  
*Lonicera angustifolia* Wenderoth in Schrift. Ges. Beförd. Naturw. Marburg, **2**: 247 (1831), non De Candolle (1830).  
*Lonicera tatarica* 4. *angustifolia* ? Herder ex Kirchner in Petzold & Kirchner, Arb. Muscav. 434 (1864).—Dippel, Handb. Laubh. **1**: 235 (1889) "Abart."—Rehder, Man. Cult. Trees Shrubs, ed. 2, 866 (1940) "*L. t. a.*"  
*Lonicera tatarica* f. *angustata* Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 127 (Syn. *Lonicera*) (1903).
- L. tatarica** f. *lutea* (Loud.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 128 (Syn. *Lonicera*) (1903).  
*Lonicera tatarica* var. *lutea* Loudon, Arb. Brit. **2**: 1053 (1838).  
*Lonicera tatarica* ε. *xanthocarpa* Endlicher, Cat. Hort. Vindob. **1**: 459 (1842), nom.
- L. tatarica** f. *Leroyana* (Zabel) Rehder in op. cit. 129 (1903), nom.; in Schneider, Ill. Handb. Laubh. **2**: 716 (1911).  
*Lonicera orientalis* subf. *Leroyana* Zabel in Beissner et al., Handb. Laubh.-Ben. 453 (1903), nom.  
*Lonicera tatarica* "Louis Leroy" hort. ex Zabel, l. c. (1903), pro syn.
- L. tatarica** f. *nana* (Alphand), grad. nov.  
*Chamaecerasus ciliatus* Billiard in Hortic. Franç. **1861**: 256 (1861).  
*Lonicera tatarica* var. *nana* Alphand, Descr. Arb. Arbriss. 42 (1875).—Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 130 (Syn. *Lonicera*) (1903).  
*Lonicera ciliata* hort. ex Dippel, Handb. Laubh. **1**: 235 (1889), pro syn.; non Poiret (1817).
- L. tatarica** var. *parvifolia* (Hayne) Jäger in Jäger & Beissner, Ziergeh. ed. 2, 208 (1884).—Zabel in Beissner et al., Handb. Laubh.-Ben. 455 (1903) "f."—Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 129 (Syn. *Lonicera*) (1903).  
*Lonicera pyrenaica* sensu Willdenow, Berlin. Baumz. 181 (1796), non Linnaeus (1753).

**Lonicera tatarica** var. **parvifolia** (continued)

*Xylosteum pyrenaicum* sensu Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1680 (1803), non Dumont de Courset (1802).

*Lonicera parvifolia* Hayne, Dendr. Fl. 14 (1822).

*Lonicera tatarica* var. *pyrenaica* Hort. ex Regel in Ind. Sem. Hort. Petrop. 1863: 12 (1863), nom.

*Lonicera tatarica gracilis* Carrière in Rev. Hort. 1868: 292, t., fig. 4 (1868).

?*Lonicera tatarica* var. *micrantha* Regel in Gartenfl. 18: 258, t. 627, fig. 6 (1869).

**L. tatarica** var. **pallens** Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 194 [1913].

**L. amoena** [*L. Korolkowii* × *tatarica*] Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 96 (1901) "*L. floribunda* × *tatarica*."

*Lonicera tatarica* × *Korolkowii* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 205 (Syn. *Lonicera*) (1903).

**L. amoena** f. **rosea** Zabel, l. c. (1901).

**L. amoena** f. **alba** Zabel, l. c. (1901).

**L. amoena** var. **arnoldiana** Rehder in Mitt. Deutsch. Dendr. Ges. 1908(17): 163 (1908); in Repert. Sp. Nov. Reg. Veg. 8: 346 (1910).

**L. xylosteoides** (*L. tatarica* × *Xylosteum*) Tausch in Flora, 21,2: 726 (1838).

*Lonicera nepalensis* Kirchner in Petzold & Kirchner, Arb. Muscav. 439 (1864).

*Lonicera micrantha* Zabel in Gartenfl. 38: 524 (1889), p. p.; non Regel (1878).

*Lonicera coerulescens* Dippel, Handb. Laubh. 1: 233, fig. 149 (1889).

*Caprifolium coerulescens* Kuntze, Rev. Gen. Pl. 1: 274 (1891).

?*Lonicera micranthoides* Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 94 (1901).

**L. Korolkowii** Stapf in Gard. & For. 7: 34, fig. 4 (1894).

*Lonicera floribunda* sensu Zabel in Gartenfl. 38: 525 (1889), non Boissier & Buhse (1860).

*Lonicera floribunda* f. *typica* Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 97 (1901), non *L. fl.* Boissier & Buhse (1860).

*Lonicera Korolkowii* var. *typica* Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 115, fig. 10A (1910).

**L. Korolkowii** var. **aurora** Koehne in Repert. Sp. Nov. Reg. Veg. 8: 31 (1910, Jan.); in Mitt. Deutsch. Dendr. Ges. 1910(19): 114, fig. 10C (1910).

**L. Korolkowii** var. **floribunda** Nicholson, Ill. Dict. Gard. Suppl. 503 (1901).—Koehne in Mitt. Deutsch. Dendr. Ges. 1910(19): 115, fig. 10D (1910).

*Lonicera floribunda* sensu Rehder in Gartenfl. 42: 104, fig. 19, 4–6 (1893), non Boissier & Buhse (1860).

**L. Korolkowii** var. **Zabelii** (Rehd.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 131 (Syn. *Lonicera*) (1903).

*Lonicera Zabelii* Rehder in Gartenfl. 42: 104, fig. 19, 1–3 (1893) "*L. floribunda* × *tatarica*."

*Lonicera floribunda* var. *Zabelii* Koehne in herb. ex Rehder, l. c. (1893), pro syn.—Koehne in Mitt. Deutsch. Dendr. Ges. 1899(8): 60 (1899), nom.

*Lonicera floribunda* f. *glabrescens* Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 97 (1901).

**L. Xylosteum** Linnaeus, Sp. Pl. 174 (1753).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 136 (Syn. *Lonicera*) (1903).

*Caprifolium dumetorum* Lamarck, Fl. Franç. 3: 367 (1778).

*Lonicera rubra* Gilibert, Fl. Lithuan. 1: 6 (1781).

*Caprifolium Xylosteum* Gaertner, Fruct. Sem. Pl. 1: 135 (1788).

*Lonicera dumetorum* Moench, Meth. Pl. 503 (1794).

*Chamaecerasus dumetorum* Dumont de Courset, Bot. Cult. 2: 575 (1802).

*Xylosteum vulgare* Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1680 (1803).—Röhling, Deutschl. Fl. ed. 2, 2: 176 (1812).

*Lonicera pubescens* Stokes, Bot. Mat. Med. 1: 372 (1812).

*Lonicera Xylosteum a. vulgaris* Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 221 (1857).—Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 91 (1901) "f."

*Chamaecerasus Xylosteum* Billiard in Hort. Franç. 1861: 256 (1861).

*Euchylia villosa* Dulac, Fl. Haut.-Pyrén. 464 (1867).

*Lonicera Xylosteum a. typica* Regel in Bull. Soc. Nat. Moscou, 40,1: 2 (1867); Russk. Dendr. 3: 139 (1873).

*Lonicera villosa* hort. ex K. Koch, Dendr. 2,1: 24 (1872), pro syn.; non Roemer & Schultes (1819).

*Lonicera Royleana* hort. ex K. Koch, l. c. (1872), pro syn.; non Wallich [1829], nom.

?*Lonicera segreziensis* Lavallée, Arb. Segrez. 142 (1877), nom.—Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 93 (1901) "*L. diversifolia* × *Xylosteum*."

*Lonicera ochroleuca* St. Lager in Ann. Soc. Bot. Lyon, 7: 129 (1880).

*Lonicera vulgaris* Roehling ex Dippel, Handb. Laubh. 1: 229 (1889), pro syn.

**L. Xylosteum** f. **mollis** (Reg.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 139 (Syn. *Lonicera*) (1903).

*Lonicera Xylosteum* β. *mollis* Regel, Russk. Dendr. 3: 139 (1873).

*Lonicera Xylosteum villosa* h. ex Zabel, Syst. Verz. Münd. Kult. Pfl. 23 (1878), nom.

*Lonicera Xylosteum* f. *subcordata* Zabel in Mitt. Deutsch. Dendr. Ges. 1901(10): 92 (1901).

*Lonicera implexa* hort. ex Zabel, l. c. (1901), pro syn.; non Aiton (1789).

**L. Xylosteum** f. **glabrescens** Zabel, l. c. (1901).

*Lonicera pyrenaica* sensu Kitaibel in Linnaea, 32: 430 (1863), non Linnaeus (1753).

*Lonicera leiophylla* Kerner in Oester. Bot. Zeitschr. 20: 322 (1870).

*Lonicera alpigena* f. *leiophylla* Zabel in Beissner et al., Handb. Laubh.-Ben. 453 (1903), p. p. quoad basonym.

**L. Xylosteum** f. **lutea** [Veillard] Rehder in Ann. Rep. Missouri Bot. Gard. 14: 138 (Syn. *Lonicera*) (1903).

*Lonicera Xylosteum c. lutea* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 1: 52 [1801].

*Lonicera Xylosteum* γ. *xanthocarpa* De Candolle, Prodr. 4: 335 (1830).

*Lonicera Xylosteum* var. *crococarpa* Murr in Deutsch. Bot. Monatsschr. 12: 32 (1894).

**L. pseudochrysantha** (*L. chrysantha* × *Xylosteum*) A. Braun ex Rehder, Man. Cult. Trees Shrubs, 833 (1927).

*Lonicera Regeliana* sensu Dippel, Handb. Laubh. 1: 220, fig. 140 (1889), non Kirchner (1864).

*Lonicera Xylosteum* × *chrysantha* Rehder in Gartenfl. 42: 100 (1893), nom.; in Ann. Rep. Missouri Bot. Gard. 14: 207 (Syn. *Lonicera*) (1903).

- Lonicera pseudochrysantha* A. Braun in herb. ex Rehder, l. c. (1903), pro syn.
- L. chrysantha** Turczaninov in Bull. Soc. Nat. Moscou, 1838[11]: 93 (1838), nom.; 18: 304 (1845).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 139 (Syn. *Lonicera*) (1903).  
*Lonicera Xylosteum* sensu Georgi, Bemerk. Reise Russ. Reich. 1: 201 (1775), nom.; non Linnaeus (1753).  
*Xylosteum gibbiflorum* Ruprecht & Maximowicz in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 136 (1857).  
*Lonicera Xylosteum*  $\beta$ . *chrysantha* Regel in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 221 (1857).  
*Lonicera gibbiflora* Maximowicz in herb. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 140 (Syn. *Lonicera*) (1903), pro syn.
- L. chrysantha f. Regeliana** (Kirchn.) Rehder, l. c. (1903).  
*Lonicera Regeliana* Kirchner in Petzold & Kirchner, Arb. Muscav. 433 (1864).  
*Lonicera chrysantha Regeliana* Zabel, Syst. Verz. Münd. Kult. Pfl. 24 (1878).
- L. chrysantha f. villosa** Hort. Bot. Petrop. ex Rehder, l. c. (1903).
- L. chrysantha var. latifolia** Korshinsky in Sched. Herb. Fl. Ross. 2: 21 (1900).  
*Lonicera chrysantha f. Turkestanica* hort. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 140 (Syn. *Lonicera*) (1903).
- L. chrysantha var. longipes** Maximowicz in Bull. Acad. Sci. St. Pétersb. 24: 44 (in Mém. Biol. 10: 68. 1878) (1877).—Rehder, l. c. (1903).
- L. Koehneana** Rehder in Sargent, Trees & Shrubs, 1: 41, t. 21 (1902); in Jour. Arnold Arb. 16: 338 (1935).  
*Lonicera gynopogon* Léveillé in Bull. Géog. Bot. 24 (no. 301): 289 (1914).
- L. demissa** Rehder in Jour. Arnold Arb. 2: 127 (1920).  
*Lonicera ibotaeformis* Nakai in Jour. Coll. Sci. Tokyo, 42,2: 77 (1921).
- L. Morrowi** Gray in Perry, Narr. Exp. Chin. Jap. 2: 313 (1856).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 136 (Syn. *Lonicera*) (1903) "*Morrowii*."  
*Lonicera chrysantha* sensu Miquel in Ann. Mus. Bot. Ludg.-Bat. 2: 270 (Prol. Fl. Jap. 158) (1866), non Turczaninov (1845).  
*Lonicera Xylosteum* sensu Miquel, l. c. (1866), non Linnaeus (1753).  
*Caprifolium Morrowii* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. muscaviensis** (*L. Morrowi*  $\times$  *Ruprechtiana*) Rehder in Gartenfl. 42: 100, fig. 18, 1-3 (1893).  
*Lonicera Ruprechtiana*  $\times$  *Morrowii* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 207 (Syn. *Lonicera*) (1903).
- L. bella** (*L. Morrowi*  $\times$  *tatarica*) Zabel in Gartenfl. 38: 525 (1889).  
*Lonicera Morrowii a. rosea* Dippel, Handb. Laubh. 1: 225 (1889).  
*Lonicera Tatarica*  $\times$  *Morrowii* Zabel ex Rehder in op. cit. 206 (1903).
- L. bella f. candida** (Zabel) Rehder in op. cit. 206 (1903).  
*Lonicera bella a. candida* Zabel in Gartenfl. 38: 525 (1889).
- L. bella f. rosea** (Zabel) Rehder in op. cit. 206 (1903).  
*Lonicera bella d. rosea* Zabel, l. c. (1889).
- L. bella f. atrofesca** (Zabel) Rehder in op. cit. 206 (1903).  
*Lonicera bella e. atrofesca* Zabel, l. c. (1889).
- L. muendeniensis** [*L. bella*  $\times$  *Ruprechtiana*] Rehder in Gartenfl. 42: 102, fig. 18, 4-6 (1893) "*L. Mündeniensis* (*L. bella*  $\times$  *gibbiflora*)."
- L. minutiflora** [*L. Morrowi*  $\times$  *xylosteoides*] Zabel in Gartenfl. 38: 523 (1889) "*L. micrantha*  $\times$  *Morrowii*."—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 206 (Syn. *Lonicera*) (1903).
- L. Ruprechtiana** Regel in Gartenfl. 19: 68, t. 645 (1870); in Ind. Sem. Hort. Petrop. 1869(appx.): 19 (1870).—Rehder in op. cit. 135 (1903).  
*Xylosteum chrysanthum*  $\beta$ . *subtomentosum* Ruprecht in Bull. Acad. Sci. St. Pétersb. 15: 369 (1857).  
*Lonicera chrysantha* var. *subtomentosa* Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 136 (Prim. Fl. Amur.) (1859).  
*Caprifolium Ruprechtianum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera Ghiesbreghtiana* hort. Berol. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 136 (Syn. *Lonicera*) (1903), pro syn.
- L. Ruprechtiana f. xanthocarpa** (Zabel) Zabel in Beissner et al., Handb. Laubh.-Ben. 458 (1903) "(f.)."  
*Lonicera Ruprechtiana xanthocarpa* Zabel, Syst. Verz. Münd. Kult. Pfl. 24 (1878), nom.—Rehder, l. c. (1903) "var."
- L. Ruprechtiana var. calvescens** Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 194 [1913].
- L. notha** (*L. Ruprechtiana*  $\times$  *tatarica*) Zabel in Gartenfl. 38: 525 (1889).  
*Lonicera Tatarica*  $\times$  *Ruprechtiana* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 205 (Syn. *Lonicera*) (1903).
- L. salicifolia** [*L. Ruprechtiana*  $\times$  *xylosteoides*] (Dipp.) Zabel in Gartenfl. 38: 524 (1889) "*L. micrantha*  $\times$  *Ruprechtiana*."—Rehder in op. cit. 206 (1903).  
*Lonicera Ruprechtiana f. d. salicifolia* Dieck, Haupt-Kat. Zöschchen, 47 [1885], nom. subnud.—Dippel, Handb. Laubh. 1: 237 (1889).
- L. Maackii** (Rupr.) Maximowicz in Mém. Div. Sav. Acad. Sci. St. Pétersb. 9: 136 (Prim. Fl. Amur.) (1859).—Nakai, Fl. Sylv. Kor. 11: 61, t. 21 (1921).  
*Xylosteum Maackii* Ruprecht in Bull. Phys.-Math. Acad. Sci. St. Pétersb. 15: 369 (1857).  
*Caprifolium Maackii* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. Maackii f. podocarpa** Franchet in herb. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 141 (Syn. *Lonicera*) (1903); in Mitt. Deutsch. Dendr. Ges. 1913(22): 263 [1914].  
*Lonicera Maackii* sensu Hao in Liou, Fl. Ill. Nord Chine, 3: 39, t. 13 (1934), non Maximowicz (1859).
- L. Maackii f. erubescens** Rehder in Mitt. Deutsch. Dendr. Ges. 1913(22): 263 [1914]; in Bailey, Stand. Cycl. Hort. 4: 1910 (1916) "var."
- L. deflexicalyx** Batalin in Act. Hort. Petrop. 12: 173 (1892).—Rehder in Ann. Rep. Missouri Bot. Gard. 14: 142 (Syn. *Lonicera*) (1903).
- L. deflexicalyx var. xerocalyx** (Diels) Rehder in Jour. Arnold Arb. 7: 36 (1826).  
*Lonicera xerocalyx* Diels in Notes Bot. Gard. Edinb. 5: 177 (1912).



**Lonicera** (*continued*)

- L. trichosantha** Bureau & Franchet in Jour. de Bot. 5: 48 (1891). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 142 (Syn. *Lonicera*) (1903).  
*Lonicera ovalis* Batalin in Act. Hort. Petrop. 14: 170 (1895). — Rehder l. c. (1903).
- L. trichosantha** f. *glabrata* Rehder in Jour. Arnold Arb. 7: 35 (1926).
- L. trichosantha** f. *acutiuscula* Rehder in op. cit. 36 (1926).
- L. prostrata** Rehder in Sargent, Trees & Shrubs, 2: 50 (1907).
- L. quinquelocularis** Hardwick in As. Research. As. Soc. Bengal, 6: 351 (1799). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 142 (Syn. *Lonicera*) (1903).  
 ?*Lonicera Xylosteum* b. *alba* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 1: 52 [1801].  
*Lonicera diversifolia* Wallich in Roxburgh, Fl. Ind. 2: 178 (1824). — De Candolle, Prodr. 4: 334 (1830).  
*Lonicera Royleana* Wallich, Num. List, no. 478 [1829], nom.  
*Lonicera diversifolia* β. *Royleana* De Candolle, Prodr. 4: 334 (1830).  
 ?*Lonicera Xylosteum* β. *leucocarpa* De Candolle, op. cit. 335 (1830).  
*Lonicera Xylosteum* var. *brachypoda* Schlechtendal in Linnaea, 31: 636 (1862).  
*Caprifolium quinqueloculare* Kuntze, Rev. Gen. Pl. 1: 274 (1891).  
*Lonicera quinquelocularis* (f.) *typica* et (f.) *diversifolia* Zabel in Beissner et al., Handb. Laubh.-Ben. 460 (1903).
- L. quinquelocularis** f. *translucens* (Carr.) Zabel, l. c. (1903). — Rehder, Man. Cult. Trees Shrubs, 836 (1927) "var."  
*Lonicera translucens* Carrière in Rev. Hort. 1872: 240 (1872). — Zabel in Gartenfl. 38: 493 (1889).  
*Xylosteum translucens* hort. gall. ex Zabel, l. c. (1889), pro syn.
- L. Vilmorinii** (*L. deflexicalyx* × *quinquelocularis*) Rehder in Mitt. Deutsch. Dendr. Ges. 1912(21): 194 [1913].
- L. arborea** Boissier in Bibl. Univ. Genève, nouv. sér., 13, 1: 409 (1838, March); Elench. Pl. Nov. It. Hisp. (1838, June). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 132 (Syn. *Lonicera*) (1903), p. p. typ.  
*Xylosteum arboreum* Webb, Iter Hisp. 42 (1838).  
*Caprifolium arboreum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).
- L. arborea** var. *persica* (Jaub. & Spach) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 133 (Syn. *Lonicera*) (1903).  
*Lonicera Xylosteum* sensu Sibthorp, Fl. Graec. 3: 18, t. 223 (1819), non Linnaeus (1753).  
*Lonicera Turcomanica* Fischer & Meyer in Bull. Soc. Nat. Moscou, 1839[12]: 156 (1839), nom. — Trautvetter in Act. Hort. Petrop. 1: 274 (1870).  
*Lonicera Nummularia* Fischer & Meyer, l. c. (1839), nom.  
*Lonicera persica* Jaubert & Spach, Ill. Pl. Or. 1: 132, t. 69 (1843).  
*Lonicera nummulariifolia* Jaubert & Spach, op. cit. 133, t. 70 (1843).  
*Lonicera Xylosteum* β. *macrocalyx* Regel in Bull. Soc. Nat. Moscou, 40, 1: 2 (1867).

*Lonicera turcomanica* β. *subvillosa* Regel in Act. Hort. Petrop. 5: 255 (1877).

*Lonicera kurdistanica* Schlechtendal ex Regel in op. cit. 611 (1878), pro syn.

*Lonicera turkestanica* Franchet in Ann. Sci. Nat. Bot. sér. 6, 16: 299 (1883).

?*Lonicera Luschanii* Stapf in Denkschr. Akad. Wiss. Wien, 50: 108 (1885).

*Caprifolium Nummularia*, *C. nummulariifolium*, *C. turcomanicum* Kuntze, Rev. Gen. Pl. 1: 274 (1891).

*Lonicera nummulariifolium* var. *cordata* Post, Fl. Syr. Palest. 379 (1896).

*Lonicera incana* Decaisne in herb. Paris ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 132 (Syn. *Lonicera*) (1903).

Sect. iv. NINTOOA (Sweet) Maximowicz in Bull. Acad. Sci. St. Pétersb. 24: 36 (in Mém. Biol. 10: 55. 1878) (1877)  
 "L. subgen. *Caprifolium* sect. N." — Fritsch in Nat. Pflanzenfam. IV. 4: 168 (1891). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 144 (Syn. *Lonicera*) (1903). — Nakai in Jour. Coll. Sci. Tokyo, 42, 2: 67 (Tent. Syst. Caprifol. Jap.) (1921).

*Nintooa* Sweet, Hort. Brit. ed. 2, 258 (1830).

*Lonicera* sect. *Xylosteon* §. *Nintooae* De Candolle, Prodr. 4: 333 (1830).

*Lonicera* sect. *Xylosteum* §. *Nintooa* G. Don, Gen. Hist. Dichlam. Pl. 3: 446 (1834). — Endlicher, Gen. Pl. 568 [1838] "L. b. *Xylosteon* a. *Nintooa*."

*Lonicera* subgen. *Eunemium* Rafinesque, New Fl. N. Am. 3: 20 [1838].

*Caprifolium* §. *Nintooa* Spach, Hist. Nat. Vég. Phan. 8: 331 (1839).

*Lonicera* subgen. *Caprifolium* sensu C. B. Clarke in Hooker f., Fl. Brit. Ind. 3: 11 (1882), non *L.* sect. *C.* de Candolle (1830).

**L. Henryi** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 363 (1888). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 148 (Syn. *Lonicera*) (1903).

*Caprifolium Henryi* Kuntze, Rev. Gen. Pl. 1: 274 (1891).

**L. Henryi** var. *subcoriacea* Rehder in Sargent, Pl. Wilson. 1: 142 (1911).

**L. alseuosmoides** Graebner in Bot. Jahrb. 29: 594 (1901).

**L. Giralidii** Rehder in Ann. Rep. Missouri Bot. Gard. 14: 150, t. 3, fig. 14–17 (Syn. *Lonicera*) (1903). — Mottet in Rev. Hort. sér. n., 7: 298, fig. 98 (1907) "*Giralidi*." — Van Steenis in Jour. Arnold Arb. 27: 445 (1946), pro syn. sub *L. acuminata* Roxb.

**L. similis** Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 366 (1888). — Rehder in op. cit. 155 (1903).

*Lonicera macrantha* var. *biflora* Collett & Hemsley in Jour. Linn. Soc. Lond. Bot. 28: 63 (1890).

*Caprifolium simile* Kuntze, Rev. Gen. Pl. 1: 274 (1891).

**L. similis** var. *Delavayi* (Franch.) Rehder in Sargent, Pl. Wilson. 1: 142 (1913).

*Lonicera Delavayi* Franchet in Jour. de Bot. 10: 310 (1896). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 155 (Syn. *Lonicera*) (1903).

**L. affinis** Hooker & Arnott, Bot. Beechey Voy. 264 (1841). — Rehder in op. cit. 157 (1903).

*Lonicera Buergeriana* Blume ex K. Koch, Dendr. 2, 1: 18 (1872), pro syn.

*Lonicera affinis* var. *hypoleuca* Rehder ex Matsumura, Index Pl. Jap. 2: 599 (1912), non var. *hypoglauca* Rehder (1903).

- L. affinis** var. **pubescens** Maximowicz in Bull. Acad. Sci. St. Pétersb. **24**: 37 (in Mém. Biol. **10**: 58. 1878) (1877).  
*Lonicera Leschenaultii* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 270 (Prol. Fl. Jap. 158) (1866), non Wallich (1824).  
*Lonicera mollissima* Blume in herb. ex Miquel, l. c. (1866), pro syn.  
*Lonicera hypoglaucæ* Miquel, l. c. (1866). — Nakai, Trees Shrubs Jap., rev. ed., **1**: 638, fig. 286 (1927).  
*Caprifolium hypoglaucum* et *C. mollissimum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).  
*Lonicera affinis* var. *hypoglaucæ* Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 158 (Syn. *Lonicera*) (1903).  
*Lonicera Sieboldiana* Blume in herb. ex Rehder, l. c. (1903), pro syn.
- L. confusa** (Sweet) De Candolle, Prodr. **4**: 333 (1830). — Rehder in op. cit. 156 (1903).  
*Lonicera Periclymenum* sensu Loureiro, Fl. Cochinch. **1**: 150 (1790), non Linnaeus (1753).  
*Lonicera japonica* sensu Andrews, Bot. Repos. **9**: t. 583 (1809), non Thunberg (1784).  
*Lonicera Finlaysonianæ* Wallich, Num. List, no. 6302 [1832], nom.  
*Nintooa confusa* Sweet, Hort. Brit. ed. 2, 258 (1830).  
*Caprifolium confusum* Spach, Hist. Nat. Vég. Phan. **8**: 332 (1839).  
*Lonicera Telfairii* Hooker & Arnott, Bot. Beechey Voy. 191 (1841).  
*Lonicera multiflora* Champion in Hooker's Jour. Bot. Kew Gard. Misc. **4**: 167 (1852).
- L. biflora** Desfontaines, Fl. Atl. **1**: 184, t. 52 [1798]. — Veillard in Duhamel Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] **1**: 56 [1801]. — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 156 (Syn. *Lonicera*) (1903).  
*Lonicera canescens* Schousboe, Iagt. Vext. Marokko, 88 (1800).  
*Nintooa canescens* Webb, Iter Hisp. 42 (1838).  
*Caprifolium biflorum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. japonica** Thunberg, Fl. Jap. 89 (1784). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 159 (Syn. *Lonicera*) (1903); in Jour. Arnold Arb. **16**: 339 (1935).  
*Caprifolium japonicum* Dumont de Courset, Bot. Cult. ed. 2, **7**: 209 (1814).  
*Nintooa japonica* Sweet, Hort. Brit. ed. 2, 258 (1830).  
*Lonicera cochinchinensis* G. Don, Gen. Hist. Dichlam. Pl. **3**: 447 (1834).  
*Lonicera acuminata* var. *japonica* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 270 (Prol. Fl. Jap. 158) (1866).  
*Lonicera Fauriei* Léveillé & Vaniot in Repert. Sp. Nov. Reg. Veg. **5**: 100 (1908).
- L. japonica** var. **Halliana** (Dipp.) [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 17 (1896). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 161 (Syn. *Lonicera*) (1903).  
*Lonicera Halliana* hort. ex K. Koch, Dendr. **2**, **1**: 18 (1872), nom. subnud. — [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 17 (1896), pro syn.; "*halleana*."  
*Lonicera flexuosa* (f.) a *Halleana* Dippel, Handb. Laubh. **1**: 217 (1889).  
*Caprifolium Halleanum* hort., *C. japonicum* var. *Halli*, *C. Halli* hort., ex Dippel, l. c. (1889), pro syn.
- L. japonica** var. **chinensis** (Wats.) Baker in Refug. Bot. **4**: 224 (1871), p. p.  
*Lonicera flexuosa* sensu Ker in Bot. Reg. **9**: t. 712 (1823), non Thunberg (1794).  
*Lonicera chinensis* Watson, Dendr. Brit. **2**: t. 117 (1825).  
*Caprifolium chinense* Loudon, Hort. Brit. **70** (1830). — Spach, Hist. Nat. Vég. Phan. **8**: 331 (1838).  
*Lonicera longiflora* sensu Carrière in Rev. Hort. **1873**: 248 (1873), non De Candolle (1830).  
*Lonicera japonica* sensu Dippel, Handb. Laubh. **1**: 215, fig. 137 (1889), non Thunberg (1784).
- L. japonica** var. **repens** (Sieb.) Rehder in Jour. Arnold Arb. **7**: 36 (1926).  
*Lonicera nigra* sensu Thunberg, Fl. Jap. 89 (1784), non Linnaeus (1753).  
*Lonicera flexuosa* Thunberg in Trans. Linn. Soc. Lond. **2**: 330 (1794).  
*Xylosteum flexuosum* Dumont de Courset, Bot. Cult. ed. 2, **8**: 208 (1814).  
*Lonicera brachypoda* De Candolle, Prodr. **4**: 333 (1830).  
*Caprifolium flexuosum* hort. ex Steudel, Nomencl. Bot. ed. 2, **1**: 278 (1840), pro syn.  
*Lonicera brachypoda* var. *β. repens* Hort. Bogor. ex Siebold in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. **1845**: 73, t. 7 (1845).  
*Lonicera confusa* sensu Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 270 (Prol. Fl. Jap. 158) (1866), non De Candolle (1830).  
*Lonicera diversifolia* Carrière in Rev. Hort. **1866**: 99 (1866), non Wallich (1824).  
*Lonicera japonica* var. *chinensis* Baker in Refug. Bot. **4**: t. 224 (1871), exclud. syn.  
*Caprifolium brachypodum* Gordon in Garden, **11**: 88 (1877).  
*Caprifolium japonicum* f. *subverticillare* Kuntze, Rev. Gen. Pl. **1**: 273 (1891).  
*Lonicera japonica* var. *flexuosa* [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 17 (1896).
- L. japonica** f. **aureo-reticulata** (T. Moore) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 162 (Syn. *Lonicera*) (1903).  
*Lonicera brachypoda* fol. *aureo-reticulatis* Lemaire in Ill. Hort. **9**: t. 337 (1862).  
*Lonicera aureo-reticulata* T. Moore in Florist & Pomol. **1862**: t. 136 (1863).  
*Lonicera reticulata* hort. ex K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **6**: 94 (1863), pro syn.; non Champion (1852).  
*Lonicera brachypoda aureo-reticulata* Jacob-Makoy in Belg. Hort. **15**: 146 (1865).  
*Lonicera brachypoda* var. *reticulata* Witte, Flora Afbeeld. **13**, t. 4 (1868).  
*Lonicera flexuosa* (f.) b. *aureo-reticulata* Dippel, Handb. Laubh. **1**: 217 (1889).  
*Lonicera japonica* var. *aureo-reticulata* [Nicholson in] Kew Hand-list Trees Shrubs, **2**: 17 (1896).
- Subgen. II. CAPRIFOLIUM (Adans.) Dippel, Handb. Laubh. **1**: 202 (1889).  
*Lonicera* \* *Periclymena* Linnaeus, Sp. Pl. 173 (1753).  
*Periclymenum* Miller, Gard. Dict. abridg. ed. 4, **3** (1754).  
*Caprifolium* Adanson, Fam. Pl. **2**: 157 (1763). — Jussieu, Gen. Pl. 212 (1789).  
*Lonicera* sect. *Caprifolium* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **4**: 271 (1805).  
*Caprifolium* a. *Caprifolia* et b. *Periclymena* Roemer & Schultes, Syst. Veg. **5**: 260, 263 (1819).  
*Periclyma* Rafinesque in Ann. Gén. Sci. Phys. **6**: 83 (1820).  
*Phenianthus* Rafinesque, l. c. (1820).  
*Lonicera* Torrey, Fl. N. Middle Sect. U. S. **1**: 242 (1824), non Linnaeus (1753), p. p. typica.

**Lonicera** subgen. II. CAPRIFOLIUM (continued)

- Kantemon* Rafinesque, New Fl. N. Am. 3: 19 [1838], nom. altern.
- Lonicera* subgen. *Kantemon* Rafinesque, op. cit. 20 [1838].
- Lonicera* subgen. *Cypheola* Rafinesque, op. cit. 20 [1838].
- Lonicera* subgen. *Eunemium* Rafinesque, op. cit. 21 [1838].
- Lonicera* subgen. *Caprifolium* Zweig *Eucaprifolium* et Zweig *Periclymenum* Dippel, Handb. Laubh. 1: 202, 212 (1889).
- Lonicera* subgen. *Periclymenum* (Mill.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 164 (Syn. *Lonicera*) (1903).
- L. sempervirens** Linnaeus, Sp. Pl. 173 (1753). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 167 (Syn. *Lonicera*) (1903).
- Periclymenum sempervirens* Miller, Dict. Gard. ed. 8, P. no. 1 (1768).
- Lonicera coccinea* ? Loddiges ex C. F. Ludwig, Neu. Wilde Baumz. 28 (1783), nom. — Persoon, Syn. Pl. 1: 213 (1805) "*L. sempervirens* (*coccinea*)," pro syn.
- ?*Lonicera Virginica* W. Young, Cat. Arb. Arbust. Am. 14 (1783), nom.
- Lonicera virginiana* Marshall, Arbust. Am. 80 (1785).
- Lonicera sempervirens* a. *major* Aiton, Hort. Kew. 1: 230 (1789).
- Lonicera sempervirens* a. *Virginiana* Castiglioni, Viaggio Stat. Un. Am. Sept. 2: 285 (1790).
- Lonicera flammea* Salisbury, Prodr. Stirp. Chap. Allert. 138 (1796).
- Lonicera sempervirens* a. *ovata* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 48 [1801].
- Caprifolium sempervirens* Moench, Meth. Pl. Suppl. 194 (1802). — Michaux, Fl. Bor.-Am. 1: 105 (1803).
- Lonicera speciosa* Wender[oth] in Index Sem. Hort. Acad. Marburg. 1827: [6] (1827).
- Periclymenum sempervirens* a. *latifolium* Spach, Hist. Nat. Vég. Phan. 8: 345 (1839).
- Phenianthus sempervirens* Rafinesque ex Jackson in Index Kew. 2: 494 [1895].
- L. sempervirens** f. *superba* (Reg.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 168 (Syn. *Lonicera*) (1903).
- Lonicera sempervirens* β. *superba* Regel in Gartenfl. 2: 3 (1853).
- Lonicera sempervirens* (f.) c. *coccinea superba* Dippel, Handb. Laubh. 1: 214 (1889).
- L. sempervirens** f. *sulphurea* (Jacques), grad. nov.
- Lonicera sempervirens sulphurea* Jacques in Hort. Univ. 2: 18 (1841).
- Lonicera sempervirens* γ. *flava* Regel in Gartenfl. 2: 3, t. 38, a (1853). — Dippel, Handb. Laubh. 1: 214 (1889) "(f.)"
- Lonicera flava* hort. et *flava nova* hort. ex Dippel, l. c. (1889), pro syn.; non *L. fl.* Sims (1810).
- Lonicera Fraseri* hort. ex Dippel, l. c. (1889), pro syn.; non Poiret (1817).
- Lonicera sempervirens* (f.) *xanthina* Zabel in Beissner et al., Handb. Laubh.-Ben. 451 (1903).
- Caprifolium flavum* et *flavum novum* hort. ex Zabel, l. c. (1903), pro syn.; non *C. fl.* Dumont de Courset (1814).
- L. sempervirens** f. *minor* (Ait.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 169 (Syn. *Lonicera*) (1903).
- ?*Lonicera caroliniana* Marshall, Arbust. Am. 80 (1785).
- Lonicera sempervirens* β. *minor* Aiton, Hort. Kew. 1: 230 (1789).
- Lonicera sempervirens* β. *caroliniana* Castiglioni, Viaggio Stat. Un. Am. Sept. 2: 285 (1790).
- Lonicera sempervirens* b. *oblonga* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel] 1: 48 [1801].
- Lonicera angustifolia* Rafinesque, New Fl. N. Am. 3: 19 [1838], non De Candolle (1830).
- Kantemon angustifolium* Rafinesque, l. c. [1838], nom. altern.
- Caprifolium oblongifolium* Sweet, Hort. Brit. ed. 2, 259 (1830).
- Periclymenum sempervirens* β. *angustifolium* Spach, Hist. Nat. Vég. Phan. 8: 346 (1839).
- L. Brownii** [*L. hirsuta* × *sempervirens*] (Reg.) Carrière in Fl. des Serr. 11: 123, t. 1133 (1856). — Rehder in Schneider, Ill. Handb. Laubh. 2: 734 (1911).
- Lonicera etrusca* var. *Brownii* Regel in Gartenfl. 2: 3, t. 38, b (1853).
- Lonicera Brownii* hort. ex Regel, l. c. (1853), pro syn.
- Caprifolium etruscum* β. *Brownii* K. Koch, Hort. Dendr. 293 (1853).
- Lonicera sempervirens Brownii* André in Ill. Hort. 18: 233 (1871).
- Lonicera occidentalis* sensu K. Koch, Dendr. 2: 1: 14 (1872), non Hooker [1834].
- Lonicera ciliosa* f. *depressa glabrescens* Zabel in Beissner et al., Handb. Laubh.-Ben. 450 (1903).
- Lonicera hirsuta* × *sempervirens* Rehder in Ann. Rep. Missouri Bot. Gard. 14: 208 (Syn. *Lonicera*) (1903).
- L. Brownii** var. *punicea* (Kirchn.) Rehder in Schneider, Ill. Handb. Laubh. 2: 734 (1911).
- Caprifolium puniceum* Kirchner in Petzold & Kirchner, Arb. Muscav. 431 (1864).
- Lonicera sempervirens* (f.) *punicea* K. Koch, Dendr. 2: 1: 16 (1872). — Dippel, Handb. Laubh. 1: 214 (1889).
- Lonicera plantierensis* f. *punicea* Zabel in Beissner et al., Handb. Laubh.-Ben. 451 (1903).
- L. Brownii** var. *Youngii* (K. Koch) Rehder, Man. Cult. Trees Shrubs, 838 (1927).
- Lonicera occidentalis Youngii* hort. ex K. Koch, Dendr. 2: 1: 15 (1872).
- Lonicera ciliosa* (f.) a. *Youngii* Dippel, Handb. Laubh. 215 (1889).
- Lonicera plantierensis* f. *Youngii* Zabel in Beissner et al., Handb. Laubh.-Ben. 451 (1903).
- Caprifolium sempervirens Youngii* hort. ex Zabel, l. c. (1903), pro syn.
- L. Brownii** var. *fuchsioides* (Nichols.) Rehder in Schneider, Ill. Handb. Laubh. 2: 734 (1911).
- Lonicera fuchsioides* Leroy ex K. Koch, Dendr. 2: 1: 16 (1872), pro syn.
- Lonicera sempervirens* var. *fuchsioides* Lavallée, Arb. Segrez. 139 (1877), nom. — Rehder in Bailey, Cycl. Am. Hort. [2]: 943 (1900).
- Lonicera sempervirens* sensu Sargent in Gard. & For. 9: 946, fig. 70 (1896), non Linnaeus (1753).
- Lonicera plantierensis* f. *fuchsioides* Zabel in Beissner et al., Handb. Laubh.-Ben. 451 (1903).
- L. Brownii** var. *plantierensis* (André) Rehder in Bailey, Cycl. Am. Hort. [2]: 942 (1900).
- Lonicera* (*sempervirens*) *plantierensis* Simon-Louis [Cat.] ex André in Ill. Hort. 18: 233, t. 86 (1871).
- Caprifolium occidentale* var. *plantierensis* Herincq in Hort. Franc. 1872: 349 (1872).
- Lonicera occidentalis* var. *plantierensis* Lavallée, Arb. Segrez. 139 (1877), nom.

- L. ciliosa** (Pursh) Poiret, Encycl. Méth. Bot. Suppl. 5: 612 (1817). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 170 (Syn. *Lonicera*) (1903).  
*Caprifolium ciliosum* Pursh, Fl. Am. Sept. 1: 160 (1814).  
*Lonicera ciliata* F. G. Dietrich, Vollst. Lex. Gärtn. Bot. Nachtr. 4: 463 (1818), non Poiret (1817).  
*Kantemon ciliosum* Rafinesque, New Fl. N. Am. 3: 19 [1838], nom. altern.  
*Lonicera ciliosa* f. *depressa* (typica) Zabel in Beissner et al., Handb. Laubh.-Ben. 450 (1903).  
*L. ciliosa* var. *occidentalis* (Lindl.) Nicholson, Ill. Dict. Gard. Suppl. 503 [1901].  
*Caprifolium occidentale* Lindley in Bot. Reg. 17: t. 1457 (1831).  
*Lonicera occidentalis* Hooker, Fl. Bor.-Am. 1: 282 [1834].  
*Lonicera ciliosa* f. *volubilis* Zabel in Beissner et al., Handb. Laubh.-Ben. 450 (1903).
- L. arizonica** Rehder in Sargent, Trees & Shrubs, 1: 45, t. 23 (1902). — Kearney & Peebles, Flow. Pl. Ferns Ariz. 858 (1942).  
*Phenianthus arizonicus* Nieuwland in Am. Midland Nat. 3: 191 (1914).
- L. subaequalis** Rehder in Ann. Rep. Missouri Bot. Gard. 14: 172 (Syn. *Lonicera*) (1903).
- L. hispidula** Douglas mss. ex Torrey & Gray, Fl. N. Am. 2: 8 (1841). — Rehder in op. cit. 177 (1903).  
*Lonicera* ? *microphylla* Hooker, Fl. Bor.-Am. 1: 283 (1834), non Roemer & Schultes (1819).  
*Caprifolium hispidulum* Lindley in Bot. Reg. 21: t. 1761 (1836).  
*Lonicera hispidula* var. *Douglasii* Gray in Proc. Am. Acad. Arts Sci. 8: 628 (1873).
- L. hispidula** var. *vacillans* Gray, l. c. (1873).  
*Lonicera ciliosa* sensu Hooker & Arnott, Bot. Beechey Voy. 143 (1832), non Poiret (1817).  
*Lonicera californica* Torrey & Gray, Fl. N. Am. 2: 7 (1841).  
*Caprifolium californicum* K. Koch, Hort. Dendr. 294 (1853).  
*Lonicera pilosa* sensu Kellogg in Proc. Calif. Acad. Sci. 1: 62 (1855), non De Candolle (1830).  
*Lonicera hispidula* var. *californica* Jepson, Fl. W. Middle Calif. 473 (1901). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 178 (Syn. *Lonicera*) (1903).
- L. hirsuta** Eaton, Man. Bot. N. Am. ed. 2, 307 (1818). — Rehder in op. cit. 181 (1903).  
*Caprifolium pubescens* Goldie in Edinb. Philos. Jour. 6: 323 (1822).  
*Lonicera Goldii* Sprengel, Syst. Veg. 1: 758 (1825).  
*Lonicera pubescens* Sweet, Hort. Brit. 195 (1826), non Stokes (1812).  
*Caprifolium Douglasii* Lindley in Trans. Hort. Soc. Lond. 7: 244 (1830).  
*Lonicera Douglasii* De Candolle, Prodr. 4: 332 (1830).  
*Caprifolium hirsutum* Denson ex Loudon, Hort. Brit. Suppl. 3: 584 (1832).  
*?Lonicera eriensis* Rafinesque in New Fl. N. Am. 3: 18 [1838].  
*Caprifolium pubescens* β. *Eriensis* K. Koch, Hort. Dendr. 294 (1853).  
*Lonicera flava* De Talou in Hort. Franc. 1863: 226, t. 20 (1863), non Sims (1810).  
*Lonicera pilosa* hort. ex Dippel, Handb. Laubh. 1: 210 (1889), pro syn.; non De Candolle (1830).  
*Caprifolium pilosum* hort. ex Dippel, l. c. (1889), pro syn.; non Humboldt, Bonpland, Kunth (1818).
- L. dioica** Linnaeus, Syst. Nat. ed. 12, 2: 165 (1767). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 179 (Syn. *Lonicera*) (1903).  
*Lonicera glauca* Hill, Hort. Kew. 446, t. 18 (1768). — Gray, Syn. Fl. N. Am. 1, 2: 17 (1884).  
*Lonicera media* Murray in Nov. Comment. Soc. Sci. Gotting. 7: 28, t. 3 (1776).  
*Lonicera parviflora* Lamarck, Encycl. Méth. Bot. 1: 728 [1785].  
*Caprifolium glaucum* Moench, Meth. Pl. 502 (1794).  
*Lonicera connata* Meerburgh, Pl. Select. Icon. p. [4], t. 11 (1798).  
*Caprifolium bracteosum* Michaux, Fl. Bor.-Am. 1: 185 (1803).  
*Caprifolium parviflorum* Pursh, Fl. Am. Sept. 1: 161 (1814).  
*Caprifolium dioicum* Roemer & Schultes, Syst. Veg. 5: 260 (1824).  
*Caprifolium dentatum* Rafinesque in Atlant. Jour. 1: 151 (1832).  
*?Lonicera elliptica* Rafinesque, New Fl. N. Am. 3: 18 [1838].  
*?Lonicera ovata* Rafinesque, l. c. [1838].  
*?Lonicera acutifolia* Rafinesque, op. cit. 19 [1838].  
*Lonicera dentata* Rafinesque, op. cit. 19 [1838].  
*Caprifolium reflexum* Kirchner in Petzold & Kirchner, Arb. Muscav. 428 (1864).  
*Lonicera reflexa* hort. ex Kirchner, l. c. (1864), pro syn.  
*Lonicera macrophylla rubra* Carrière in Rev. Hort. 1870-1: 340 (1870).  
*Lonicera macrophylla* Hooker ex Lavallée, Arb. Segrez. 139 (1877), nom.  
*Lonicera gibbosa* Michaux ex Lavallée, l. c. (1877) pro syn.; non Roemer & Schultes (1819).
- L. dioica** × **hirsuta** Rehder in Ann. Rep. Missouri Bot. Gard. 14: 210 (Syn. *Lonicera*) (1903).  
*Lonicera glauca* × *hirsuta* Zabel in Beissner et al., Handb. Laubh.-Ben. 450 (1903).  
*Lonicera Douglasii* hort. ex Zabel, l. c. (1903), pro syn.; non De Candolle (1830).  
*Lonicera involucrata* hort. ex Zabel, l. c. (1903), pro syn.; non Sprengel (1825).  
*Lonicera hirsuta* var. *involucrata* Lavallée, Arb. Segrez. 139 (1877), nom.
- L. dioica** × **flava** Rehder in Ann. Rep. Missouri Bot. Gard. 14: 211 (Syn. *Lonicera*) (1903).  
*Lonicera flava* Borie in Rev. Hort. 1856: 221, t. 12 (1856), non Sims (1810).
- L. glaucescens** (Rydb.) Rydberg in Bull. Torrey Bot. Club, 24: 90 (1897). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 180 (Syn. *Lonicera*) (1903).  
*Caprifolium parviflorum* sensu Richardson in Franklin, Narr. Journ. Polar Sea, 733 (1823), nom.; non Pursh (1814).  
*Lonicera parviflora* β. Hooker, Fl. Bor.-Am. 1: 282 [1834].  
*Lonicera parviflora* var. *Douglasii* Gray, Man. Bot. N. U. S. 171 (1848), p. p.  
*Lonicera Douglasii* sensu Koehne, Deutsche Dendr. 554 (1893), non De Candolle (1830).  
*Lonicera hirsuta glaucescens* Rydberg in Contrib. U. S. Nat. Herb. 3: 503 (1896).
- L. glaucescens** var. **dasygyna** Rehder in Ann. Rep. Missouri Bot. Gard. 14: 181 (Syn. *Lonicera*) (1903).
- L. yunnanensis** Franchet in Jour. de Bot. 10: 310 (1896). — Rehder in Jour. Arnold Arb. 16: 339 (1935).

**Lonicera yunnanensis** (*continued*)

- Lonicera Mairei* Lévillé in Bull. Acad. Intern. Géog. Bot. **24**: 289 (1914).
- L. yunnanensis** var. *tenuis* Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 179 (Syn. *Lonicera*) (1903).
- L. albiflora** Torrey & Gray, Fl. N. Am. **2**: 6 (1841). — Rehder in op. cit. 178 (1903).
- Lonicera anelica* Lindheimer ex Gray in Jour. Nat. Hist. Boston, **6**: 213 (Pl. Lindheimer. II. 1850) (1857), pro syn.
- Caprifolium albiflorum* K. Koch, Hort. Dendr. 294 (1853).
- L. prolifera** (Kirchn.) Rehder in Rhodora, **12**: 166 (1910). — Palmer & Steyermark in Annals Missouri Bot. Gard. **22**: 650 (1935).
- ?*Lonicera rupestris* Rafinesque, New Fl. N. Am. **3**: 17 [1838].
- ?*Caprifolium rupestre* Rafinesque, l. c. [1838], nom. altern.
- ?*Lonicera reticulata* Rafinesque, op. cit. 18 [1838].
- Lonicera prolifera* Booth Cat. ex Heynhold, Nomencl. Bot. Hort. **1**: 476 (1840), nom.
- Lonicera* sp. nov. Sullivan, Cat. Pl. Columbus, 29, 57 (1840), nom. subnud.
- Lonicera flava* β. Torrey & Gray, Fl. N. Am. **2**: 6 (1841).
- Lonicera parviflora* β. ? Sullivan, Wood, Classb. Bot. ed. 2, 298 (1847).
- Lonicera flava* sensu Gray, Man. Bot. N. U. S. 171 (1848), p. p., non Sims (1810).
- Caprifolium proliferum* Kirchner in Petzold & Kirchner, Arb. Muscav. 426 (1864).
- Lonicera prolifica* hort. ex K. Koch, Dendr. **2**, **1**: 12 (1872), pro syn.
- ?*Lonicera epsomensis* hort. ex K. Koch, l. c. (1872), pro syn.
- Lonicera Sullivantii* Gray in Proc. Am. Acad. Arts Sci. **19**: 76 (1883). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 182 (Syn. *Lonicera*) (1903).
- Caprifolium Sullivantii* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- Lonicera sempervirens* var. *Sullivantii* Mouillefert, Arb. Arbriss. **2**: 897 [1896].
- L. Sargentii** (*L. hirsuta* × *prolifera*) Rehder in Jour. Arnold Arb. **7**: 37 (1926).
- Lonicera hirsuta* × *Sullivantii* Sargent in Gard. & For. **9**: 344, fig. 46 (1896). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 211 (Syn. *Lonicera*) (1903).
- L. prolifera** × *dioica* Rehder, Man. Cult. Trees Shrubs, 840 (1927).
- Lonicera glauca* × *Sullivantii* Zabel in Beissner et al., Handb. Laubh.-Ben. 450 (1903).
- Lonicera epsoniensis* Zabel, l. c. (1903), sphalm. pro *epsomensis*; pro syn.
- Lonicera glauca* hort. ex Zabel, l. c. (1903), pro syn.; non Hill (1768).
- Lonicera flava* hort. ex Zabel, l. c. (1903), pro syn.; non Sims (1810).
- L. prolifera** × *flava* Rehder, Man. Cult. Trees Shrubs, 840 (1927).
- Lonicera flava* × *Sullivantii* Zabel, l. c. (1903). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 211 (Syn. *Lonicera*) (1903).
- Lonicera flava* hort. ex Zabel, l. c. (1903), pro syn.; non Sims (1810).
- Lonicera Schmitziana* hort. ex Zabel, l. c. (1903), non Roezl ex Kirchner (1864), nec hort. ex Dippel (1889).

- L. flava** Sims in Bot. Mag. **32**: t. 1318 (1810). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 183 (Syn. *Lonicera*) (1903).
- Caprifolium flavum* Dumont de Courset, Bot. Cult. ed. 2, **7**: 209 (1814).
- Caprifolium Fraseri* Pursh, Fl. Am. Sept. **1**: 160 (1814).
- Lonicera Fraseri* Poirer, Encycl. Méth. Bot. Suppl. **5**: 612 (1817).
- L. implexa** Aiton, Hort. Kew. **1**: 131 (1789). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 185 (Syn. *Lonicera*) (1903).
- Lonicera Caprifolium* sensu Ucria, Hort. Panhorm. 94 (1789), non Linnaeus (1753).
- Lonicera glauca* Meerburgh, Pl. Select. Icon. p. [4], t. 12 (1798), non Hill (1768).
- Caprifolium implexum* Dumont de Courset, Bot. Cult. ed. 2, **7**: 209 (1814).
- Lonicera Dioscoridis* Roubieu ex Nyman, Consp. Fl. Eur. 321 [1879].
- L. Caprifolium** × *implexa* Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 211 (Syn. *Lonicera*) (1903) "*implexa* × *Caprifolium*."
- L. etrusca** × *implexa* Rehder in op. cit. 212 (1903) "*implexa* × *etrusca*."
- L. Caprifolium** Linnaeus, Sp. Pl. 173 (1753). — Rehder in op. cit. 188 (1903).
- Periclymenum italicum* Miller, Gard. Dict. ed. 8, *P.* no. 5 (1768).
- Lonicera Caprifolium* 2. *flavescens* Weston, Bot. Univ. **1**: 155 (1770).
- Caprifolium hortense* Lamarck, Fl. Franç. **3**: 365 (1778).
- Lonicera Caprifolium* s. *italicum* Mill. ex C. F. Ludwig, Neu. Wilde Baumz. 27 (1783), nom. altern.
- Caprifolium rotundifolium* Moench, Meth. Pl. 501 (1794).
- Lonicera Caprifolium* a. *alba* Aiton, Hort. Kew. **1**: 230 (1789).
- Lonicera suavis* Salisbury, Prodr. Stirp. Chap. Allert. 138 (1796).
- Lonicera rotundifolia* Medicus, Beytr. Pflanzen-Anat. **2**: 97 (1799).
- Caprifolium italicum* Medicus, l. c. (1799), pro syn.
- Caprifolium germanicum* Medicus, l. c. (1799), pro syn. — Delarbre, Fl. Auvergne, ed. 2, 128 (1800).
- Lonicera Caprifolium* β. *praecox* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **4**: 270 (1805).
- Caprifolium perfoliatum* Roehling, Deutschl. Fl. ed. 2, **2**: 175 (1812).
- Caprifolium italicum* a. *alba* Roemer & Schultes, Syst. Veg. **5**: 260 (1819).
- Periclymenum perfoliatum* S. F. Gray, Nat. Arrang. Brit. Pl. **2**: 487 (1821).
- Lonicera pallida* Host, Fl. Austr. **1**: 298 (1827).
- Lonicera italicum* Wood, Classb. Bot. **2**: 169 (1845), non *L. italica* Tausch (1838).
- Lonicera perfoliatum* Edwards in Phytologist (Irvine), **2**: 198 (1857), nom.
- Caprifolium perfoliatum* b. *pallidum* Schur in Oester. Bot. Zeitschr. **11**: 90 (1861).
- Caprifolium pallidum* Schur, Enum. Pl. Transsilv. 243 (1866).
- Lonicera Caprifolium* var. *pallida* Lavallée, Arb. Segrez. 138 (1877).
- Lonicera Caprifolium* var. *verna* Lavallée, l. c. (1877), nom.
- L. Caprifolium** f. *pauciflora* (Carr.) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 190 (Syn. *Lonicera*) (1903).

- Lonicera Caprifolium* *β. rubra* Tausch in Flora, **21**: 735 (1838), non Weston (1770).  
*Lonicera Caprifolium pauciflora* Carrière in Fl. des Serr. **11**: 113 (1856).  
*Lonicera Magnevillea* Hort. Gall. ex Carrière, l. c. (1856), pro syn.
- L. americana** (*L. Caprifolium* × *etrusca*) (Mill.) K. Koch in Wochenschr. Ver. Beförd. Gartenb. Preuss. **10**: 279 (1867). — Rehder in Schneider, Ill. Handb. Laubh. **2**: 742, fig. 464c, 465h-i (1911).  
*Lonicera Caprifolium* Linnaeus, Sp. Pl. 173 (1753), p. p. *Periclymenum americanum* Miller, Gard. Dict. ed. 8, P. no. 7 (1768).  
*Lonicera Caprifolium* *2. rubra* Weston, Univ. Bot. **1**: 155 (1770).  
*Lonicera Caprifolium* *5. sempervirens* Weston, l. c. (1770).  
*Lonicera grata* Aiton, Hort. Kew. **1**: 191 (1789). — Gray, Syn. Fl. N. Am. **12**: 17 (1884).  
*Lonicera Caprifolium italicum* Franz Schmidt, Oester. Allg. Baumz. **2**: 55, t. 106 (1794).  
*Caprifolium gratum* Borkhausen, Theor.-prakt. Handb. Forstbot. **2**: 1678 (1803).  
*Caprifolium italicum β. rubrum* Roemer & Schultes, Syst. Veg. **5**: 260 (1819).  
*Lonicera Caprifolium* Host, Fl. Austr. **1**: 297 (1827), p. p. *Lonicera etrusca* Loudon, Arb. Brit. **2**: 1046, fig. 799 (1838), p. p.; non Santi (1795).  
*Lonicera italica* Tausch in Flora, **21**: 735 (1838). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 190 (Syn. *Lonicera*) (1903).  
*Lonicera Caprifolium major* Carrière in Fl. des Serr. **11**: 91, t. 1120 (1856).  
*Caprifolium perfoliatum a. genuinum* Schur in Oester. Bot. Zeitschr. **11**: 90 (1861), non C. p. Roehling (1812).  
*?Lonicera etrusca var. rotundifolia* Cariot, Étude Fleurs, ed. 4, **2**: 277, (1864).  
*?Lonicera Cariotii* Gandoger, Fl. Lyon. **110** (1875).
- L. americana f. rubella** (DC.) Rehder in Schneider, Ill. Handb. Laubh. **2**: 742 (1911); in Bailey, Stand. Cycl. Hort. **4**: 1912 (1916) "var."  
*Lonicera Caprifolium β. rubellum* De Candolle, Prodr. **4**: 331 (1830).  
*Lonicera italica var. rubella* Tausch in Flora, **21**: 736 (1838).
- L. americana f. atrosanguinea** (Carr.) Rehder in Schneider, Ill. Handb. Laubh. **2**: 742 (1911); in Bailey, Stand. Cycl. Hort. **4**: 1912 (1916) "var."  
*?Lonicera Caprifolium 4. ruberrima* Weston, Bot. Univ. **1**: 155 (1770).  
*Lonicera atrosanguinea* Carrière in Rev. Hort. **1866**: 337 (1866).  
*Caprifolium atropurpureum* hort. ex K. Koch, Dendr. **21**: 8 (1872), pro syn.  
*Lonicera Caprifolium var. atrosanguinea* Lavallée, Arb. Segrez. **138** (1877), nom.  
*Lonicera italica f. atrosanguinea* Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 192 (Syn. *Lonicera*) (1903).
- L. Heckrottii** [*L. americana* × *sempervirens*] Hort. ex Rehder in Bailey, Cycl. Am. Hort. [2]: 942 (1900).  
*Lonicera sempervirens* × (*L. Caprifolium* × *Etrusca*) Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 210 (Syn. *Lonicera*) (1903).
- L. tragophylla** Hemsley in Jour. Linn. Soc. Lond. Bot. **23**: 367 (1888).  
*Caprifolium tragophyllum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. Tellmanniana** (*L. sempervirens* × *tragophylla*) Magyar ex Späth Hauptverz. no. **241**(1927–28): ? (1927); no. **242**(1928–29): 49, fig. (1928). — [Osborn] in Gard. Chron. ser. 3, **90**: 421, t. (1931). — Bean, Trees Shrubs Brit. Isl. **3**: 218, t. (1933). — Hort. ex C. Meissner in Möller's Deutsch. Gärtn.-Zeit. **49**: 361 (1934).
- L. splendida** Boissier, Elench. Pl. Nov. Iter Hisp. **54** (1838). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 194 (Syn. *Lonicera*) (1903).  
*Caprifolium splendidum* K. Koch, Hort. Dendr. **293** (1853).  
*Lonicera affinis* hort. ex Zabel in Gartenfl. **39**: 66 (1890), pro syn.; non Hooker & Arnott (1841).
- L. etrusca** Santi, Viaggio Montam. **1**: 113, t. 1 (1795). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 195 (Syn. *Lonicera*) (1903).  
*Caprifolium Periclymenum* sensu Gouan, Hort. Monspel. **101** (1768). — Non Linnaeus (1753).  
*Lonicera Peryclimenum* sensu Ucria, Hort. Reg. Panhorm. **94** (1789), non *L. Periclymenum* L. (1753).  
*Lonicera Caprifolium* sensu Schousboe, Iagt. Vextr. Marokko, **87** (1800).  
*Caprifolium etruscum* Roemer & Schultes, Syst. Veg. **5**: 261 (1819).  
*Lonicera hetrusca* Host, Fl. Austr. **1**: 298 (1827).  
*Lonicera saxatilis* [Mazziari], Fl. Corcirese (in Ionios Anthol. **5**: 210) (1835).  
*Lonicera dimorpha* Tausch in Linnaea, **21**,1(Beibl.): 80 (1838).  
*Caprifolium flavum* Rafinesque, Pl. Exsicc. ex Gussone, Fl. Sicul. Syn. **1**: 260 (1843), pro syn.; non Dumont de Courset (1814).  
*Lonicera Caprifolium arborea* Clementi in Mem. Accad. Sci. Torino, ser. 2, **16**: 281 (Sertul. Or.) (1857).  
*Lonicera Periclymenum* sensu Rafinesque, Chloris Aetn. **10** (in Recupero, Stor. Nat. Etna, **1**, App.) (1815), nom. — Strobl in Oester. Bot. Zeitschr. **33**: 59 (1883), pro syn. — Non Linnaeus (1753).  
*Caprifolium dimorphum* Kuntze, Rev. Gen. Pl. **1**: 274 (1891).
- L. etrusca var. superba** (W. Wats.) C. H. Wright in Bot. Mag. **130**: t. 7977 (1904).  
*Lonicera gigantea* Carrière in Rev. Hort. **1882**: 558 (1882).  
*Lonicera etrusca var. superba* [Nicholson] in Kew Hand-list Trees Shrubs, ed. 2, **441** (1902), nom. — W. Watson in Gard. Chron. ser. 3, **34**: 281 (1903) "*L. e. s.*"  
*Lonicera gigantea superba* hort. ex [Nicholson], l. c. (1902), pro syn.
- L. etrusca var. pubescens** Dippel, Handb. Laubh. **1**: 205 (1889). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 195 (Syn. *Lonicera*) (1903).  
*Lonicera etrusca f. L. mollis* Vukotinović in Rad Jugoslav. Akad. Znan. Umjet. **2**: 45 (1880).  
*Lonicera gigantea* sensu Zabel in Gartenzeit. **1886**: 557, fig. (1886), non Carrière (1882).  
*Lonicera Etrusca var. hirsuta* Post, Fl. Syr. Palest. **370** (1896).  
*?Lonicera etrusca var. xylostemoides* Candargy in Bull. Soc. Bot. France, **44**: 457 (1897).  
*Lonicera etrusca f. gigantea* Zabel in Beissner et al., Handb. Laubh.-Ben. **448** (1903).  
*Caprifolium giganteum* hort. ex [Nicholson in] Kew Hand-list Trees Shrubs **15** (1896), pro syn.
- L. etrusca var. viscidula** Boissier, Diagn. Pl. Nov. Or. sér. **2**, **2**: 107 (1856). — Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 197 (Syn. *Lonicera*) (1903).

**Lonicera etrusca** var. **viscidula** (continued)

*Lonicera viscidula* Boissier in herb. ex Boissier, l. c. (1856), pro syn.

*Lonicera etrusca* var. *hispidula* Boissier ex Tchihatscheff, *Asie Min. Bot.* 2: 193 (1866), sphalm. pro *viscidula*.

**L. Periclymenum** Linnaeus, Sp. Pl. 173 (1753). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 197 (Syn. *Lonicera*) (1903).

*Periclymenum vulgare* Miller, Gard. Dict. ed. 8, P. no. 6 (1768).

*Lonicera Periclymenum* l. *alba* Weston, Bot. Univ. 1: 155 (1770).

*Caprifolium sylvaticum* Lamarck, Fl. Franç. 3: 365 (1778).

*Caprifolium distinctum* Moench, Meth. Pl. 501 (1794).

*Lonicera odora* Salisbury, Prodr. Stirp. Chap. Allert. 138 (1796).

*Caprifolium Periclymenum* Delarbre, Fl. Auvergne, ed. 2, 1: 129 (1800).

*Caprifolium vulgare* Medicus, Beytr. Pflanzen-Anat. 5: 387 (1800), nom. subnud. — Borkhausen, Theor.-prakt. Handb. Forstbot. 2: 1676 (1803).

*Caprifolium germanicum* Roehling, Deutschl. Fl. ed. 2, 2: 175 (1812), non Dumont de Courset (1802).

*Lonicera etrusca* sensu Lejeune, Fl. Spa, 2: 299 (1813), non Santi (1795).

?*Lonicera Periclymenum* v. *villosa* Tenore, Syll. Pl. Fl. Neap. 104 (1831), nom.

*Euchylia verticillata* Dulac, Fl. Haut.-Pyren. 464 (1867).

*Lonicera pallidiflora* Gandoger, Fl. Lyon. 110 (1875).

*Lonicera periclymena* St.-Lager in Ann. Soc. Bot. Lyon, 8: 129 (1880).

**L. Periclymenum** f. **aurea** (Lind. & André) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 199 (Syn. *Lonicera*) (1903).

*Lonicera Periclymenum aureum* Linden & André in Ill. Hort. 18: 75, t. 59 (1871).

**L. Periclymenum** f. **quercina** (West.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 200 (Syn. *Lonicera*) (1903). — Skärman in Svensk Bot. Tidskr. 29: 425, fig. 5 (1935).

*Lonicera Periclymenum* 4. *quercina* Weston, Bot. Univ. 1: 155 (1770).

*Lonicera Periclymenum* 5. *quercina variegata* Weston, l. c. (1770).

*Lonicera Periclymenum* var. *Quercifolium* Mill. ex C. F. Ludwig, Neu. Wilde Baumz. 27 (1783), nom.

*Lonicera Periclymenum* δ. *quercifolia* Aiton, Hort. Kew. 1: 231 (1789). — Aspegren ex L. M. Neuman, Sverig. Fl. 104 (1901) "f."

*Lonicera Periclymenum* b. *sinuata* Veillard in Duhamel, Traité Arb. Arbust. éd. augm. [Nouv. Duhamel], 1: 47 [1801].

*Caprifolium quercifolium* Dumont de Courset, Bot. Cult. 2: 577 (1802).

*Periclymenum vulgare* β. *quercifolium* S. F. Gray, Nat. Arr. Brit. Pl. 2: 488 (1821).

*Lonicera Periclymenum quercifolia variegata* [hort.] ex Dippel, Handb. Laubh. 1: 204 (1903), pro syn.

**L. Periclymenum** f. **belgica** (Ait.) Rehder in Ann. Rep. Missouri Bot. Gard. 14: 199 (Syn. *Lonicera*) (1903).

*Periclymenum germanicum* Miller, Gard. Dict. ed. 8, P. no. 4 (1768).

*Lonicera germanica* Weston, Bot. Univ. 1: 155 (1770).

*Lonicera Periclymenum* var. *Germanicum* s. *serotinum* C. F. Ludwig, Neu. Wilde Baumz. 27 (1783), nom.

*Lonicera Periclymenum* γ. *belgica* Aiton, Hort. Kew. 1: 231 (1789).

**L. Periclymenum** f. **serotina** (Ait.) Zabel in Beissner et al., Handb. Laubh.-Ben. 488 (1903). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 199 (Syn. *Lonicera*) (1903).

*Lonicera Periclymenum* 2. *rubra* Weston, Bot. Univ. 1: 155 (1770).

*Lonicera Periclymenum* β. *serotina* Aiton, Hort. Kew. 1: 231 (1789).

*Lonicera germanica* F. G. Dietrich, Weimarsche Fl. 94 (1800), non Weston (1770).

*Caprifolium serotinum* Dumont de Courset, Bot. Cult. 2: 577 (1802).

*Lonicera serotina* Gandoger, Fl. Lyon. 110 (1875).

*Lonicera Periclymenum* var. *autumnalis* De Candolle, Fl. Franç. ? ex Gandoger, l. c. (1875), pro syn.

*Lonicera semperflorens* Goldring in Garden, 45: 307, t. 957 (1894).

*Lonicera Periclymenum* f. *sempreflorens* hort. ex Zabel in Beissner et al., Handb. Laubh.-Ben. 448 (1903).

*Caprifolium semperflorens* hort. ex Rehder in Ann. Rep. Missouri Bot. Gard. 14: 199 (Syn. *Lonicera*) (1903), pro syn.; non Dippel (1889).

**L. Griffithii** Hooker f. & Thomson in Jour. Linn. Soc. Lond. Bot. 2: 173 (1858). — Rehder in Ann. Rep. Missouri Bot. Gard. 14: 201 (Syn. *Lonicera*) (1903).**LEYCESTERIA** Wallich in Roxburgh, Fl. Ind. 2: 182 (1824). — Reichenbach, Consp. Reg. Veg. 96 (1828) "*Leycesteria*." — Endlicher, Gen. Pl. 568 [1838] "*Leycesteria*." — C. F. Meissner, Pl. Vasc. Gen. 2: 360 [1838] "*Leucesteria*" sphalm., rite 1: 155 et 2: 111. — Pritzl, Icon. Bot. Index, 628 (1855) "*Leicesteria*." — Bentham & Hooker f., Gen. Pl. 2: 5 (1873).

*Pentaptyxis* Hooker f. in Bentham & Hooker f., Gen. Pl. 2: 6 (1873).

Typus: *L. formosa* Wall.

**L. formosa** Wallich in Roxburgh, Fl. Ind. 2: 182 (1824). — Rehder in Sargent, Pl. Wilson. 1: 311 (1912).Fam. **DIPSACACEAE**.

DIPSACACEAE Lindley, Veg. Kingd. 699 (1846). — Höck in Nat. Pflanzenfam. IV. 4: 182 (1891).

*Dipsaceae* Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 469 (1770), nom. subnud. — Jussieu, Gen. Pl. 194 (1789), p. p. — De Candolle, Prodr. 4: 643 (1830). — Bentham & Hooker f., Gen. Pl. 2: 157 (1873).

**PTEROCEPHALUS** Adanson, Fam. Pl. 2: 152 (1763). — Höck in Nat. Pflanzenfam. IV. 4: 189 (1891).

*Scabiosa* Linnaeus, Sp. Pl. 98 (1753), p. p.

*Trichopteris* Necker, Elem. Bot. 1: 110 (1790).

*Euptilia* Rafinesque, Fl. Tellur. 4: 95 [1838].

*Scabiosa* sect. 4. *Pterocephalus* Bentham & Hooker f., Gen. Pl. 2: 159 (1873).

Typus: *Scabiosa Pterocephala* L. = *P. parnassi* Spreng.

**P. parnassi** Sprengel, Syst. Veg. 1: 384 (1825). — Boissier, Fl. Or. 3: 148 (1875).

*Scabiosa Pterocephala* Linnaeus, Sp. Pl. 100 (1753).

*Pterocephalus perennis* subsp. *Parnassi* Vierhapper in Verh. Zool.-Bot. Ges. Wien, 69: 244 (1919).



## Fam. COMPOSITAE

- COMPOSITAE P. F. Gmelin, Otia Bot. 50, 120 (1760). — Adanson, Fam. Pl. 2: 103 (1763). — De Candolle, Prodr. 5: 163 (1873). — NOM. ALTERN. CONSERV. cf. Syn. Propos. Bot. Nomencl. Sixth Intern. Bot. Congr. 65 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936). *Compositi* Linnaeus, Philos. Bot. ed. 2, 33 (1763), nom. subnud.
- Cichoriaceae* Necker in Act. Acad. Elect. Sci. Theod.-Palat. 2: 463 (1770) "*Chicoraceae*," nom. subnud. — B. Jussieu, Ord. Nat. Hort. Trianon. 1759, lxiv, in A. L. Jussieu, Gen. Pl. (1789), nom. subnud.; A. L. Jussieu, op. cit. 168 (1789) "*Cichoraceae*." — Durande, Notions Élém. Bot. 272 (1781) "*Chichoraceae*." — Britton & Brown, Ill. Fl. N. U. S. 3: 261 (1898).
- Carduaceae* Necker in op. cit. 465 (1770), nom. subnud. — Dumortier, Comment. Bot. 56 (1822). — Small, Fl. Southeast. U. S. 1152 (1903).
- Compositae* sect. II. *Carduaceae* Humboldt, Bonpland, Kunth, Nov. Gen. Sp. Pl. 4: 5 (fol. ed. 4) (1820), nom. subnud.
- Eupatoriaceae* Link, Handb. Erkenn. Gew. 1: 729 (1829).
- Partheniaceae* Link, op. cit. 816 (1829).
- Ambrosiaceae* Link, op. cit. 816 (1829). — Rostowzew in Bibl. Bot. 4.20: 18, t. (1890). — Small, Fl. Southeast. U. S. 1148 (1903).
- Synanthereae* [Cassini in Bull. Soc. Philom. Paris, 1812: 189 (1812) "Synantherées." —] Lessing, Syn. Gen. Compos. 1 (1832).
- Compositae* trib. VIII. *Nassauviaceae* [Cassini in Dict. Sci. Nat. 8: 395 (1817?) "Chénanthophores Lagasca (1811) sect. Naussauviées." —] Lessing, Syn. Gen. Compos. 396 (1832).
- Asteraceae* Lindley, Nat. Syst. Bot. ed. 2, 251 (1836).
- Cynaraceae* Lindley, l. c. (1836).
- Syngeneticae* Horaninov, Char. Ess. Fam. Reg. Veg. 88 (1847).
- Cassiniaceae* F. H. Schultz in Flora, 35: 129 (1852).
- Compositaceae* Lowe, Man. Fl. Madeira, 1: 411 (1868).
- Trib. 1. ASTEREA [Cassini in Bull. Soc. Philom. Paris, 1815: 173 (1815) "trib. asterées." —] Lessing in Linnaea, 5: 142 (1830) "trib. Asteroideae subtrib. Astereae." — Dalla Torre & Harms, Gen. Siphonog. 528 (1905).
- Synanthereae* subf. *Asteroideae* Presl, Wseob. Rostlin. 1: 865 (1846).
- Syngeneticae* trib. *Asterariae* s. *Asteroideae* Horaninov, Char. Ess. Fam. Reg. Veg. 92 (1847).
- Carduaceae* trib. *Astereae* (Cass.) Small, Fl. Southeast. U. S. 1152, 1153 (1903).
- GUTIERREZIA** Lagasca, Nov. Gen. Spec. 30 (1816). — Bentham & Hooker f., Gen. Pl. 2: 250 (1873).
- Brachyris* Nuttall, Gen. N. Am. Pl. 2: 103 (1818). — De Candolle Prodr. 5: 312 (1836), exclud. sp. nonnull.
- Brachyachyris* Sprengel, Syst. Veg. 3: 574 (1826).
- Hemiachyris* De Candolle, Prodr. 5: 313 (1836).
- Odontocarpa* De Candolle, op. cit. 71 (1836).
- TYPE: *G. linearifolia* Lagasca.
- G. Sarothrae** (Pursh) Britton & Rusby in Trans. New York Acad. Sci. 7: 10 (1887). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 3: 370, fig. 4190 (1913).
- Solidago Sarothrae* Pursh, Fl. Am. Sept. 2: 540 (1814).
- Brachyris Euthamiae* Nuttall, Gen. N. Am. Pl. 2: 163 (1818).
- Brachyachyris Euthamiae* Sprengel, Syst. Veg. 3: 574 (1826).

*Brachyris divaricata* Nuttall in Trans. Am. Philos. Soc., ser. 2, 7: 313 (1840).

*Gutierrezia Euthamiae* Torrey & Gray, Fl. N. Am. 2: 193 (1841). — Gray, Syn. Fl. N. Am. 1,2: 115 (1884).

*Gutierrezia divaricata* Torrey & Gray, l. c. (1841).

**CHRYSOETHAMNUS** Nuttall in Trans. Am. Philos. Soc. ser. 2, 7: 323 (1840). — Hall & Clements in Carnegie Inst. Washington Publ. 326: 157, t. 24-35 (1923).

*Bigelovia* De Candolle, Prodr. 5: 329 (1836), p. p.; non Rafinesque (1817), nec *Bigelovia* Smith (1819), nec Sprengel (1827).

*Bigelovia* sect. 2. *Chrysanthamnus* Gray in Proc. Am. Acad. Arts Sci. 8: 638 (1873).

LECTOTYPUS: *Bigelovia dracunculoides* DC. = *C. dracunculoides* (DC.) Nutt.

**C. graveolens** (Nutt.) Greene in Erythea, 3: 108 (1895). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, 3: 376, fig. 4204 (1913).

*Chrysocoma dracunculoides* sensu Pursh, Fl. Am. Sept. 2: 517 (1814), non Lamarck (1786).

*Chrysocoma graveolens* Nuttall, Gen. N. Am. Pl. 2: 136 (1818).

*Bigelovia dracunculoides* De Candolle, Prodr. 5: 329 (1836).

*Chrysanthamnus speciosus* Nuttall in Trans. Am. Philos. Soc. ser. 2, 7: 323 (1840).

*Chrysanthamnus dracunculoides* Nuttall in op. cit. 324 (1840).

*Linosyris graveolens* Torrey & Gray, Fl. N. Am. 2: 234 [1842].

*Bigelovia graveolens* Gray in Proc. Am. Acad. Arts Sci. 8: 644 (1873), p. p. typ.; Syn. Fl. N. Am. 1,2: 139 (1884), p. p. typ.

*Aster graveolens* Kuntze, Rev. Gen. Pl. 1: 313 (1891).

*Chrysanthamnus nauseosus graveolens* Piper in Contrib. U. S. Nat. Herb. 11: 559 (1906). — H. M. Hall & Clements, Phylogen. Meth. Taxon. 210, 213, t. 35 (1923) "subsp."

**C. nauseosus** (Pursh) Britton in Britton & Brown, Ill. Fl. N. U. S. 3: 326 (1898), p. p. typ. — H. M. Hall & Clements, op. cit. 209, t. 34 (1923).

*Chrysocoma nauseosa* Pallas ex Pursh, Fl. Am. Sept. 2: 517 (1814).

*Bigelovia Missouriensis* De Candolle, Prodr. 5: 329 (1836).

*Chrysanthamnus speciosus* β. *albicaulis* Nuttall in Trans. Am. Philos. Soc. ser. 2, 7: 324 (1840).

*Linosyris albicaulis* Torrey & Gray, Fl. N. Am. 1: 234 [1842].

*Bigelovia graveolens* var. *albicaulis* Gray in Proc. Am. Acad. Arts Sci. 8: 644 (1873); Syn. Fl. N. Am. 1,2: 139 (1884).

*Chondrophora nauseosa* Britton in Mem. Torrey Bot. Club, 5: 317 (1894).

*Chrysanthamnus nauseosus* subsp. *typicus* H. M. Hall & Clements, Phylogen. Meth. Taxon. 210 (1923).

**C. viscidiflorus** (Hook.) Nuttall in Trans. Am. Philos. Soc. ser. 2, 7: 324 (1840).

*Crinalaria viscidiflora* Hooker, Fl. Bor.-Am. 2: 24 [1834].

*Bigelovia? viscidiflora* De Candolle, Prodr. 7: 279 (1838).

*Linosyris viscidiflora* Torrey & Gray, Fl. N. Am. 1: 234 [1842].

*Bigelovia Douglasii* Gray in Proc. Am. Acad. Arts Sci. 8: 644 (1873); Syn. Fl. N. Am. 1,2: 139 (1884).

*Aster viscidiflorus* Kuntze, Rev. Gen. Pl. 1: 313 (1891).

**Chrysothamnus** (*continued*)

**C. viscidiflorus** var. *tortifolius* (Gray) Greene in Erythea, **3**: 96 (1895).

*Bigelovia Douglasii* var. *tortifolia* Gray in op. cit. 646 (1873); op. cit. 140 (1884).

**OLEARIA** Moench, Meth. Pl. Suppl. 254 (1802).—De Candolle, Prodr. **5**: 271 (1836).—Bentham & Hooker f., Gen. Pl. **2**: 276 (1873).—NOM. CONSERV. cf. Intern. Rules Bot. Nomencl. ed. 3, 138 (1935); Kew Bull. **1940**: 128, no. 8916 (1940).

*Shawia* Forster, Char. Gen. Pl. Austral. **95**, t. 48 (1776).  
*Aster* subgen. *Eurybia* Cassini in Bull. Soc. Philom. Paris, **1818**: 166 (1818).

*Eurybia* Cassini in Dict. Sci. Nat. **16**: 46 (1820).

*Haxtonia* Caley ex D. Don in Edinb. New Philos. Jour. **[11]**: 272 (1831).

*Steiractis* De Candolle, Prodr. **5**: 345 (1836).

*Orestion* Rafinesque, Fl. Tellur. **2**: 48 [1837].

*Steetzia* Sonder in Linnaea, **25**: 450 (1852).

TYPE: *O. dentata* Moench = *O. tomentosa* (Schrad.) DC.

**O. Haastii** Hooker f., Handb. N. Zeal. Fl. **126** (1864).—Cheeseman, Man. N. Zeal. Fl., ed. 2 (W. R. B. Oliver), 923 (1925).

*Aster Haastii* Kuntze, Rev. Gen. Pl. **1**: 315 (1891).

**O. nummulariifolia** (Hook. f.) Hooker f., op. cit. 127 (1864).—Cheeseman, op. cit. 924 (1925).

*Eurybia nummulariifolia* Hooker f., Fl. Nov.-Zeland. **1**: 118 (1853).

*Aster nummulariaefolius* Kuntze, Rev. Gen. Pl. **1**: 315 (1891).

**O. albida** (Hook. f.) Hooker f., Handb. New Zeal. Fl. **128** (1864).—Cheeseman, op. cit. 925 (1925).

*Eurybia albida* Hooker f., Fl. Nov.-Zeland. **1**: 118 (1853).

*Aster albidus* Kuntze, Rev. Gen. Pl. **1**: 315 (1891).

**O. odorata** Petrie in Trans. Proc. New Zeal. Inst. **23**: 399 (1891).—Cheeseman, op. cit. 928 (1925).

**O. lineata** (Kirk) Cockayne in Trans. Proc. New Zeal. Inst. **43**: 173 (1911).—Cheeseman, op. cit. 929 (1925).

**MICROGLOSSA** De Candolle, Prodr. **5**: 320 (1836).—Bentham & Hooker f., Gen. Pl. **2**: 282 (1873).

*Amphirapis* De Candolle, Prodr. **5**: 343 (1836), p. p.

*Frivaldia* Endlicher, Gen. Pl. 384 [1837].

*Frivaldzkia* Reichenbach, Repert. Herb.; Nomencl. Gen. Pl. 86 (Deutsch. Botaniker **1**) (1841).

*Homostylium* Nees in Linnaea, **18**: 513 (1844).

LECTOTYPUS: *M. volubilis* DC.

**M. albescens** (DC.) C. B. Clarke, Compos. Ind. 59 (1876).—Hooker f., Fl. Brit. Ind. **3**: 257 (1881).—Schneider, Ill. Handb. Laubh. **2**: 757, fig. 474a-g, 475a (1911).

*Aster albescens* Wallich, Num. List, no. 2974 [1830], nom.—Koehne, Deutsche Dendr. 562 (1893).

*Solidago salicifolia* Wallich herb. ex Wallich, l. c. [1830], pro syn.

*Amphirapis albescens* De Candolle, Prodr. **5**: 343 (1836).—Hooker f., Fl. Brit. Ind. **3**: 257 (1881) "*Amphiraphis*," pro syn.

*Eupatorium cinerascens* Wallich herb. ex De Candolle, l. c. (1836), pro syn.

*Eupatorium coloratum* Sprengel in litt. ex De Candolle, l. c. (1836), pro syn.

*Aster cabulicus* Lindley in Bot. Reg. **29**(Misc.): 62 (1843).

*Homostylium cabulicum* Nees von Esenbeck in Delect. Sem. Hort. Bot. Vratislav. **1844**: [3] (1844); in Linnaea, **18**: 513 (1844).

*Aster ferrugineus* Edgeworth in Trans. Linn. Soc. Lond. **20**: 64 (1846), non Wendland (1819).

**ASTER** Linnaeus, Sp. Pl. 872 (1753); Gen. Pl. ed. 5, 373, no. 858 (1754).—Bentham & Hooker f., Gen. Pl. **2**: 271 (1873).—Dalla Torre & Harms, Gen. Siphonog. 532 (1905), cum synonymis numeros.

LECTOTYPUS: *A. Amellus* L.

**A. staticifolius** Franchet, Jour. de Bot. **10**: 370 (1896).—Stapf in Bot. Mag. **151**: t. 9081 (1925).

**BACCHARIS** Linnaeus, Sp. Pl. 860 (1753); Gen. Pl. ed. 5, 370, no. 853 (1754).—Bentham & Hooker f., Gen. Pl. **2**: 286 (1873).

*Sergilus* Gaertner, Fruct. Sem. **2**: 409, t. 174 (1791).

*Molina* Ruiz & Pavon, Fl. Peruv. Chil. Prodr. **111**, t. 24 (1794).

*Tursenia* Cassini in Dict. Sci. Nat. **37**: 480 (1825).

*Pingraea* Cassini in op. cit. **41**: 57 (1826).

*Stephananthus* Lehmann in Ind. Sem. Hort. Hamburg. **1826**: 18 (1826); in Flora, **10**: 96 (1827).

*Arrhenachne* Cassini in Dict. Sci. Nat. **52**: 253 (1828).

*Polypappus* Lessing in Linnaea, **4**: 314 (1829).

*Pterocladis* Lambert herb. ex G. Don in Sweet, Hort. Brit. ed. 3, 349 (1839), pro syn.

*Achyrobaccharis* C. H. Schultz in Walpers, Repert. Bot. Syst. **2**: 952 (1843).

*Icma* Philippi in Anal. Univ. Chile, **41**: 740 (Descr. Pl. Nuev. 8) (1872).

*Eupatoriola* Kuntze, Rev. Gen. Pl. **3,2**: 133 (1898).

LECTOTYPUS: *B. halimifolia* L.

**B. halimifolia** Linnaeus, Sp. Pl. 860 (1753).—Gray, Syn. Fl. N. Am. **1,2**: 222 (1884).

**B. salicina** Torrey & Gray, Fl. N. Am. **2**: 258 [1842].—Britton & Brown, Ill. Fl. N. U. S. ed. 2, **3**: 445, fig. 4384 (1913).

*Baccharis salicifolia* Nuttall in Trans. Am. Philos. Soc. ser. 2, **7**: 337 (1841).

**B. pilularis** De Candolle, Prodr. **5**: 407 (1836).—Gray, Syn. Fl. N. Am. **1,2**: 222 (1884).

*Baccharis glomeruliflora* sensu Lessing in Linnaea, **6**: 506 (1831), non Persoon (1807).

*Baccharis consanguinea* De Candolle, Prodr. **5**: 408 (1836).

**B. patagonica** Hooker & Arnott in Jour. Bot. **3**: 29 (1841).

Trib. 2. **INULEAE** [Cassini in Bull. Soc. Philom. Paris, **1812**: 190 (1812) "sect. inules."—] Lessing in Linnaea, **6**: 134 (1831) "trib. *Asteroideae* subtr. *Inuleae*."—Dalla Torre & Harms, Gen. Siphonog. 535 (1905).

*Syngeneticae* trib. *Asterariae* 2. *Inulinae* Horaninov, Char. Ess. Fam. Reg. Veg. 93 (1847).

*Carduaceae* trib. *Inulineae* (Cass.) Small, Fl. Southeast. U. S. 1152, 1155 (1903).

**OZOTHAMNUS** R. Brown in Trans. Linn. Soc. Lond. **12**: 125 (1817).—Hooker f., Fl. Tasman. **1**: 200 (1860).

*Petalolepis* Cassini in Bull. Soc. Philom. Paris, **1817**: 138 (1817).

*Faustula* Cassini in Bull. Soc. Philom. Paris, **1818**: 140 (1818); in Dict. Sci. Nat. **16**: 251 (1820).

*Swammerdamia* De Candolle, Prodr. **6**: 164 (1837).

*Helichrysum* subgen. *Euhelichrysum* §. *Ozothamnus* (Lessing) Bentham & Hooker f., Gen. Pl. **2**: 311 (1873).

- LECTOTYPUS: *Calea pinifolia* Forst. = *O. pinifolius* (Forst.) DC.
- O. Antennaria** (DC.) Hooker f., Fl. Tasman. 1: 203 (1860).  
*Swammerdamia Antennaria* De Candolle, Prodr. 6: 164 (1837).  
*Helichrysium antennarium* F. von Mueller ex Benth., Fl. Austral. 3: 632 (1866).
- CASSINIA** R. Brown in Trans. Linn. Soc. Lond. 12: 126 (1817). — Benth. & Hooker f., Gen. Pl. 2: 313 (1873).  
*Chromochiton* Cassini in Dict. Sci. Nat. 56: 220 (1828).  
*Achromolaena* Cassini in op. cit. 222 (1828).  
*Apalochlamys* Cassini in op. cit. 223 (1828).  
*Rhynea* De Candolle, Prodr. 6: 154 (1837).  
LECTOTYPUS: *Calea leptophylla* Forst. f. = *Cassinia leptophylla* (Forst. f.) DC.
- C. fulvida** Hooker f., Handb. N. Zeal. Fl. 145 (1867). — Cheeseman, Man. N. Zeal. Fl. ed. 2 (W. R. B. Oliver), 988 (1925).  
*Diplopappus chrysophyllus* hort. ex Koehne, Deutsche Dendr. 562 (1893), pro syn.
- C. leptophylla** (Forst. f.) R. Brown in Trans. Linn. Soc. Lond. 12: 126 (1817). — Cheeseman, l. c. (1925).  
*Calea leptophylla* Forster f., Fl. Ins. Austral. Prodr. 55 (1786).  
*Cassinia spathulata* Colenso in Trans. Proc. New Zeal. Inst. 22: 472 (1890).
- C. Vauvilliersii** (Decne.) Hooker f., Fl. Nov.-Zeland. 1: 133 (1853). — Cheeseman, l. c. (1925).  
*Ozothamnus Vauvilliersii* Decaisne in Dumont d'Urville, Voy. Pôle Sud Océan. Bot. 2: 38; Atl. t. 5 (1853).  
*Olearia xanthophylla* Colenso in Trans. Proc. N. Zeal. Inst. 20: 193 (1888).
- C. retorta** A. Cunningham ex De Candolle, Prodr. 6: 154 (1887). — Cheeseman, Man. N. Zeal. Fl. ed. 2 (W. R. B. Oliver), 987 (1925).
- Trib. 3. **HELIANTHEAE** [Cassini in Bull. Soc. Philom. Paris, 1815: 173 (1815) "trib. *hélianthes*." —] Lessing, Syn. Gen. Compos. 221 (1832) "*Synanthereae* trib. *Senecionideae* subtrib. *Heliantheae*." — Dalla Torre & Harms, Gen. Siphonog. 544 (1895).  
*Syngeneticae* trib. *Pyrethraeae* s. *Senecionideae* 8. *Melampodinae* Horaninov, Char. Ess. Fam. Reg. Veg. 92 (1847).  
*Carduaceae* trib. *Heliantheae* (Cass.) Small, Fl. Southeast. U. S. 1152, 1155 (1903).
- IVA** Linnaeus, Sp. Pl. 988 (1753); Gen. Pl. ed. 5, 426, no. 940 (1754). — Benth. & Hooker f., Gen. Pl. 2: 352 (1873).  
*Denira* Adanson, Fam. Pl. 2: 118 (1763).  
*Cyclachaena* Fresenius in Index Sem. Hort. Francofurt. 1836: 4 (1836); in Linnaea, 12 (Litt.-Ber.): 78 (1838). — Torrey & Gray, Fl. N. Am. 2: 285 [1842].  
LECTOTYPUS: *I. frutescens* L.
- I. frutescens** Linnaeus, Sp. Pl. 989 (1753). — Gray, Syn. Fl. N. Am. 1: 247 (1884), excl. pl. bor.
- I. frutescens** var. **oraria** (Bartlett) Fernald & Griscom in Rhodora, 37: 184 (1935).  
*Iva oraria* Bartlett in Rhodora, 8: 26 (1906). — Robinson & Fernald in Gray, Man. Bot. N. U. S. ed. 7, 827 [1908].
- Trib. 4. **ANTHEMIDEAE** [Cassini in Ann. Sci. Nat. 17: 403 (1829) "trib. *Antémidées*." —] Dalla Torre & Harms, Gen. Siphonog. 557 (1905).  
*Syngeneticae* trib. *Pyrethraeae* s. *Senecionideae* 2. *Pyrethrinae* Horaninov, Char. Ess. Fam. Reg. Veg. 90 (1847).  
*Carduaceae* trib. *Anthemideae*, Small, Fl. Southeast. U. S. 1152, 1157 (1903).
- SANTOLINA** Linnaeus, Sp. Pl. 842 (1753); Gen. Pl. ed. 5, 365, no. 847 (1754). — Benth. & Hooker f., Gen. Pl. 2: 420 (1873).  
LECTOTYPUS: *S. Chamaecyparissus* L.
- S. Chamaecyparissus** Linnaeus, Sp. Pl. 842 (1753). — Rouy, Fl. France, 8: 222 (1903).  
*Santolina incana* Lamarck, Fl. Franç. 2: 43 (1778).  
*Santolina Chamaecyparissus a. incana* De Candolle, Prodr. 6: 35 (1837). — Hegi, Ill. Fl. Mittel-Eur. 6: 673 [1928] "f."
- S. neapolitana** Jordan & Fourreau, Icon. Fl. Eur. 2: 10 (1869).
- S. virens** Miller, Gard. Dict. ed. 8, S. no. 4 (1768).  
*Santolina viridis* Willdenow, Sp. Pl. 3: 3: 1798 (1803).  
*Santolina Chamaecyparissus* subsp. *viridis* Rouy, Fl. France, 8: 224 (1903).  
*Santolina Chamaecyparissus* subsp. *viridis a. typica* Rouy, l. c. (1903).
- S. pinnata** Viviani Elench. Pl. Hort. Dinegro, 31 (1802); Fl. Ital. Fragm. 1, t. 1 (1808).
- CHRYSANTHEMUM** Linnaeus, Sp. Pl. 887 (1753); Gen. Pl. ed. 5, 379, no. 866 (1754). — Benth. & Hooker f., Gen. Pl. 2: 424 (1873). — Dalla Torre & Harms, Gen. Siphonog. 558 (1905), cum syn. numerosis.  
LECTOTYPUS: *C. Coronaria* L.
- C. sinense** Sabine in Trans. Linn. Soc. Lond. 14: 145 (1825). — Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 438 (1888).  
*Chrysanthemum indicum* sensu Thunberg, Fl. Jap. 320 (1784). — Curtis in Bot. Mag. 9: t. 327 (1796). — Non Linnaeus (1753).  
*Anthemis grandiflora* Ramatuelle in Jour. Hist. Nat. Paris, 2: 240 (1792).  
*Matricaria morifolia* Ramatuelle, l. c. (1792), nom. provis.  
*Chrysanthemum morifolium* Ramatuelle, l. c. (1792), nom. provis. — Hemsley in Gard. Chron. ser. 3, 6: 522 (1889). — Miller in Bailey, Cycl. Am. Hort. [1]: 314, fig. 468 (1900). — Rehder, Man. Cult. Trees Shurbs, ed. 2, 881 (1940).  
*Anthemis artemisifolia* Willdenow in Neu. Schrift. Ges. Naturf. Fr. Berlin, 3: 431 (1801); Sp. Pl. 3: 2184 [1803] "*artemisioefolio*" sphalm.  
*Chrysanthemum Sabini* Lindley in Bot. Reg. 15: sub t. 1287, p. [2] (1829).  
*Pyrethrum sinense* De Candolle, Prodr. 6: 62 (1837). — Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 425 (in Mém. Biol. 8: 517) (1872).  
*Chrysanthemum hortorum* Bailey, Stand. Cycl. Hort. 2: 755, fig. 938–950 (1914) "*C. indicum* × *morifolium*."
- C. sibiricum** Fischer ex Turczaninov, Fl. Baical.-Dahur. 2: 42 (1856), pro syn. — Hemsley in Jour. Linn. Soc. Lond. Bot. 23: 438 (1888).  
*Leucanthemum palmatum* Lamarck, Fl. Franç. 2: 138 (1778), excl. patria.

**Chrysanthemum sibiricum** (continued)

*Matricaria monspeliensis* β. Desrousseaux in Lamarck, Encycl. Méth. Bot. 3: 733 (1791).

*Chrysanthemum monspeliense* Schkuhr, Bot. Handb. Deutschl. Gew. 3: 130 (1803).

*Leucanthemum sibiricum* De Candolle, Prodr. 6: 46 (1837).—Ledebour, Fl. Ross. 2, 2: 541 (1845).

*Leucanthemum sibiricum* β. *latilobum* Maximowicz in Mem. Div. Sav. Acad. Sci. St. Pétersb. 9: 156 (Prim. Fl. Amur.) (1859).

*Chrysanthemum coreanum* Nakai in Mori, Enum. Pl. Cor. 352 (1922), nom.—Kelsey, Garden Guide Book [Nurs. Cat.] 44 (1937), nom. subnud.

**C. sibiricum** × **sinense** Rehder, Man. Cult. Trees Shrubs, ed. 2, 882 (1940) "*C. sib.* × *morifolium*."

*Chrysanthemum coreanum* × ? Kelsey, Garden Guide Book [Nurs. Cat.] 44, fig. (1937).—Bristol Nurseries, Garden Novelt. 1–5, 15 fig. (1937).—Dreer's Garden Book [Nurs. Cat.] 139, fig. (1937).

**C. nipponicum** [Maxim.] Sprenger in Wien. Ill. Garten-Zeit. 1895: 12, fig. (1895, Jan.).—Franchet ex Matsumura, Shokubutsu Mei-i, 79 (1895, Nov.).—Nakai, Trees Shrubs Jap. rev. ed. 1: 712, fig. 323 (1927).

*Leucanthemum nipponicum* Franchet ex Maximowicz in Bull. Acad. Sci. St. Pétersb. 17: 420 (in Mém. Biol. 8: 511) (1872).

**ARTEMISIA** Linnaeus, Sp. Pl. 845 (1753); Gen. Pl. ed. 5, 367, no. 849 (1754).—Bentham & Hooker f., Gen. Pl. 2: 435 (1873).

*Dracunculus* Miller, Gard. Dict. abridg. ed., 1 (1754).—Adanson, Fam. Pl. 2: 469 (1763).

*Absinthium* Adanson, Fam. Pl. 2: 120 (1763).—Gaertner, Meyer & Scherbius, Oekon.-tech. Fl. Wetterau, 3: 196 (1801) "*Absynthium*."

*Abrotanum* Necker, Elem. Bot. 1: 98 (1790).

*Oligosporus* Cassini in Bull. Soc. Philom. Paris, 1817: 33 (1817).

*Picrothamnus* Nuttall in Trans. Am. Philos. Soc. n. ser., 7: 417 (1841).

LECTOTYPUS: *A. vulgaris* L.

**A. Abrotanum** Linnaeus, Sp. Pl. 845 (1753).—Hallier in Koch, Syn. Deutsch. Schweiz. Fl. 2: 1445 (1902).

**A. procera** Willdenow, Sp. Pl. 3: 1818 [1803].—Ledebour, Fl. Ross. 2: 579 [1845].—Boissier, Fl. Or. 3: 370 (1875).

?*Artemisia paniculata* Lamarck, Encycl. Méth. Bot. 1: 265 (1783).—Visiani, Fl. Dalmat. 2: 92 (1847).

*Artemisia naronitana* Visiani in Flora, 13: 52 (1830).

**A. alba** Turra, Fl. Ital. Prodr. 67 (1780).—Janchen & Neumayer in Oester. Bot. Zeitschr. 91: 293 (1942).

*Artemisia camphorata* Villars, Prosp. Hist. Pl. Dauph. 31 (1779); Fl. Delphin, 93 (in Gilibert, Syst. Pl. Eur. I. 1785).—Rouy, Fl. France, 8: 280 (1903).

*Artemisia Lobelii* Allioni, Fl. Pedem. 1: 166 (1785).

*Artemisia subcanescens* Willdenow, Enum. Pl. Hort. Berol. 861 (1809).

*Absinthium camphoratum* Besser in Bull. Soc. Nat. Moscou, 1: 230 (1829).

**A. suavis** Jordan in Index Sem. Hort. Divion. 18 [Cat. Dijon. 18] (1848).

*Artemisia camphorata* f. II. *A. suavis* Rouy, Fl. France, 8: 283 (1903).

**A. Cina** O. C. Berg & Schmidt, Darst. Besch. Offiz. Gew. 4: t. 29c, fig. L-N (1863).—Karsten, Fl. Deutschl. Oester. Schweiz. ed. 2, 2: 681 (1895).

?*A. Santonicum* Linnaeus, Sp. Pl. 845 (1753), p. p.

**A. sacrorum** Ledebour in Mém. Acad. Sci. St. Pétersb. 5: 571 (Decad. Sex Pl. 1814) (1815); Fl. Altaica, 4: 72 (1833).

*Artemisia sacrorum* β. *intermedia* Ledebour, Fl. Altaica, 4: 72 (1833); Icon. Pl. Fl. Ross. 4: 21, t. 470 (1834).

**A. sacrorum** var. **viridis** hort. ex N. Taylor in Bailey, Stand. Cycl. Hort. 1: 400 (1914).

**A. sacrorum** var. **latiloba** Ledebour, Fl. Altaica, 4: 72 (1833) "*a.*"

**A. pontica** Linnaeus, Sp. Pl. 847 (1753).—Hallier in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 2: 1447 (1902).

**A. austriaca** Jacquin, Fl. Austr. 1: 61, t. 100 (1773).—Hallier in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 2: 1447 (1902).

*Artemisia Austriaca* β. Lamarck, Encycl. Méth. Bot. 1: 262 (1783).

*Artemisia orientalis* Willdenow, Sp. Pl. 3: 1836 [1803].

*Artemisia repens* Pallas ex Willdenow, op. cit. 1840 [1803].

*Artemisia nivea* Redowsky ex Willdenow, Enum. Pl. Hort. Berol. 863 (1809).

**A. salina** Willdenow, Sp. Pl. 3: 1834 [1803].

?*Artemisia Santonicum* Linnaeus, Sp. Pl. 845 (1753), p. p. exclud. syn. Lobel.

*Artemisia maritima* var. *salina* Koch, Syn. Fl. Germ. Helv. 369 (1837).—Hallier in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 2: 1443 (1902).

**A. Absinthium** Linnaeus, Sp. Pl. 848 (1753).—Hallier in Koch, Syn. Deutsch. Schweiz. Fl. ed. 3, 2: 1450 (1902) "*A. Apsinthium*."

*Absinthium vulgare* Lamarck, Fl. Franç. 2: 45 (1778).—Gaertner, Fruct. Sem. 2: 393, t. 264 (1791).—Hallier, l. c. (1902) "*Apsinthium v.*," pro syn.

*Absinthium officinale* Brotero, Fl. Lusit. 1: 357 (1804).

**A. arborescens** Linnaeus, Sp. Pl. 845 (1753), ed. 2, 2: 1188 (1763).—Rouy, Fl. France, 8: 280 (1903).

*Absinthium arborescens* Moench, Meth. Pl. 579 (1794).

**A. Stelleriana** Besser in Nouv. Mém. Soc. Nat. Moscou, 3: 79, t. 5 (Tent. Abrot. 1832) (1834).—Gray, Syn. Fl. N. Am. 1, 2: 371 (1884).

*Artemisia chinensis* sensu Pursh, Fl. Am. Sept. 2: 521 (1814), non Linnaeus (1753).

**A. frigida** Willdenow, Sp. Pl. 3: 1838 [1803].—Gray, Syn. Fl. N. Am. 1, 2: 369 (1884).

*Artemisia sericea* Nuttall, Gen. N. Am. Pl. 2: 143 (1818).

*Artemisia virgata* Richardson in Franklin, Narr. Journey Polar Sea (Bot. Appx.) 747 (1823).

**A. tridentata** Nuttall in Trans. Am. Philos. Soc. ser. 2, 7: 398 (1841).—Gray, Syn. Fl. N. Am. 1, 2: 374 (1884).

**A. cana** Pursh, Fl. Am. Sept. 2: 521 (1814).—Gray, Syn. Fl. N. Am. 1, 2: 375 (1884).

*Artemisia columbiensis* Nuttall in Trans. Am. Philos. Soc. ser. 2, 7: 398 (1841).

**A. arbuscula** Nuttall, l. c. (1841).—Gray, Syn. Fl. N. Am. 1, 2: 374 (1884).

Trib. 5. SENECEONEAE [Cassini in Bull. Soc. Philomath. Paris, 1815: 173 (1815) "trib. Senecionées."—] Lessing

- in Linnaea, 5: 150 (1830).—Dalla Torre & Harms, Gen. Siphonog. 560 (1905).  
*Synanthereae* subfam. *Senecionideae* Presl, Wseob. Rostlin. 1: 877 (1846).  
*Syngeneticae* trib. *Pyrethariae* s. *Senecionideae* 4. *Senecioninae* Horaninov, Char. Ess. Fam. Reg. Veg. 91 (1847).  
*Carduaceae* trib. *Senecioneae* Small, Fl. Southeast. U. S. 1153 (1903).
- TETRADYMIA** De Candolle, Prodr. 6: 440 (1838).—Bentham & Hooker f., Gen. Pl. 2: 450 (1873).  
 TYPUS: *T. canescens* DC.
- T. canescens** De Candolle, l. c. (1837).—Gray, Syn. Fl. N. Am. 1,2: 379 (1884).
- SENECIO** Linnaeus, Sp. Pl. 866 (1753); Gen. Pl. ed. 5, 373, no. 857 (1754).—Bentham & Hooker f., Gen. Pl. 2: 446 (1873).—Dalla Torre & Harms, Gen. Siphonog. 563 (1905), cum synonym. numerosis.  
*Cineraria* Linnaeus, Sp. Pl. ed. 2, 2: 1242 (1763), p. p.; Gen. Pl. ed. 6, 426, no. 957 (1764).  
*Brachyglottis* Forster, Char. Gen. Pl. Austral. 91 (1776), p. p.  
 LECTOTYPUS: *S. vulgaris* L.
- S. Cineraria** De Candolle, Prodr. 6: 355 (1838).—Rouy, Fl. France, 8: 330 (1903).  
*Cineraria maritima* Linnaeus, Sp. Pl. ed. 2, 2: 1244 (1763).  
*Senecio maritima* Reichenbach, Fl. Germ. Excurs. 1: 244 [1831], non Linnaeus f. (1781).
- S. scandens** Hamilton ex D. Don, Prodr. Fl. Nepal. 178 (1825).—Hooker f., Fl. Brit. Ind. 3: 352 (1881).—Schneider in Sargent, Pl. Wilson. 3: 419 (1916).
- S. puffini** H. H. Allan in litt. ex Rehder in Jour. Arnold Arb. 27: 174 (1946).  
*Senecio rotundifolius* Hooker f., Fl. Nov.-Zeland. 1: 149 (1853).—Cheeseman, Man. New Zeal. Fl. ed. 2 (W. R. B. Oliver), 1026 (1925).—Non Stokes (1812), nec Lapeyrouse (1813).  
*Brachyglottis rotundifolia* Forster, Char. Gen. Pl. Austral. 92 (1776).  
*Cineraria rotundifolia* Forster f., Fl. Ins. Austral. Prodr. 56 (1786).
- S. laxifolius** Buchanan in Trans. Proc. New Zeal. Inst. 2: 89 (1870).—Cheeseman, Man. New Zeal. Fl. ed. 2 (W. R. B. Oliver), 1022 (1925).
- Trib. 6. **MUTISIEAE** [Cassini in Dict. Sci. Nat. 8: 395 (1817) "Chénanthophores sect. Mutisiées."—] Lessing in Linnaea, 5: 31 (1830) "Synanthereae trib. Mutisieae."—Dalla Torre & Harms, Gen. Siphonog. 571 (1906).  
*Synanthereae* trib. *Mutisiaceae* Lessing, Syn. Gen. Compos. 92 (1832).  
*Syngeneticae* trib. *Mutisiariae* s. *Mutisiaceae* Horaninov, Char. Ess. Fam. Reg. Veg. 94 (1847).
- PERTYA** K. H. Schultz in Bonplandia, 10: 109, t. 10 (1862).—Bentham & Hooker f., Gen. Pl. 2: 493 (1873).  
 TYPUS: *Erigeron scandens* Thunb. = *P. scandens* (Thunb.) K. H. Schultz.
- P. sinensis** Oliver in Hooker's Icon. Pl. 23: t. 2214 (1892).

## Class II. MONOCOTYLEDONEAE

- MONOCOTYLEDONEAE** De Candolle, Reg. Veg. Syst. Nat. 1: 122 (1818).  
*Monocotyledones* Jussieu, Gen. Pl. 21 (1789).

## Fam. GRAMINEAE

- GRAMINEAE** Necker in Act. Acad. Elect. Theod.-Palat. 2: 455 (1770), nom. subnud.—B. Jussieu, Ord. Nat. Hort. Trianon. 1759, lxiv (nom. subnud.) in A. L. Jussieu, Gen. Pl. (1789); A. L. Jussieu, op. cit. 29 (1789).—NOM. ALTERN. CONSERV. cf. Syn. Propos. Nomencl. Sixth Intern. Bot. Congr. 64 (1935); Proc. Sixth Intern. Bot. Congr. 1: 358 (1936).
- Gramina* Scopoli, Fl. Carniol. 180 (1760, pref. June).—Linnaeus, Philos. Bot. ed. 2, 32 (1763), nom. subnud.—Ascherson & Graebner, Syn. Mitteleur. Fl. 2,1: 2 (1902).
- Gramineae* trib. *Poaceae* R. Brown in Flinders, Voy. Terra Austral. 2(Appx.): 583 (1814).  
*Graminaceae* Lindley, Nat. Syst. Bot. ed. 2, 369 (1836), nom. altern.  
*Poaceae* Nash in Small, Fl. Southeast. U. S. 48 (1903).
- Subfam. **BAMBUSOIDEAE** (Aschers. & Graebn.) Rehder in Jour. Arnold Arb. 26: 78 (1945).  
*Gramina* x. *Bambusaceae* Kunth in Mém. Mus. Hist. Nat. Paris, 2: 75 (1815).  
*Gramineae* ix. *Bambusinae* Agardh, Aphor. Bot. 155 (1823).  
*Gramineae* sect. *Bracteaeiflorae* Link, Handb. Erkenn. Gew. 1: 95 (1829).  
*Gramineae* 10. *Bambuseae* Nees, Agrost. Brasil. 520 (1828).—Lindley, Nat. Syst. Bot. ed. 2, 378, 383 (1836) "trib. 17."—Meissner, Pl. Vasc. Gen. 1: 425: 2: 325 (1843) "trib. *Festucaceae* subtrib. B."—Hackel in Nat. Pflanzenfam. II. 2: 89 (1887) "trib. B."—Rehder, Man. Cult. Trees Shrubs, 69 (1927) "subfam. B."  
*Bambusaceae* Link, Hort. Berol. 2: 308 (1833).—Nakai, Fl. Sylv. Kor. 20: 11 (1933).  
*Gramineae* subtrib. *Bambusaceae* Endlicher, Gen. Pl. 102 [1836].—Steudel, Syn. Pl. Glum. 1: 329 (1855) "trib."—Doell in Martius, Fl. Brasil. 2,3: 161 (1880) "trib."  
*Graminaceae* d. *Festucinae* d. *Bambuseae* Horaninov, Char. Ess. Fam. Reg. Veg. 35 (1847).  
*Gramina* Unterfam. *Bambusoideae* Ascherson & Graebner, Syn. Mitteleur. Fl. 2,1: 769 (1902).  
*Poaceae* trib. *Bambuseae* Nash in Small, Fl. Southeast. U. S. 49 (1903).
- SASA** Makino & Shibata in Bot. Mag. Tokyo, 15: 18 (1901), p. p.—Nakai in Jour. Arnold Arb. 6: 149 (1925).  
*Arundinaria* sect. *Bambusoides* Shibata & Makino in Bot. Mag. Tokyo, 14: 20 (1900).  
*Pleioblastus* Nakai in Jour. Jap. Bot. 9: 234 (1933), p. p.  
 LECTOTYPUS: *Bambusa tessellata* Munro = *S. tessellata* (Munro) Mak. & Shib.
- S. tessellata** (Munro) Makino & Shibata in Bot. Mag. Tokyo, 15: 27 (1901).—R. A. Young in Nat. Hort. Mag. 24: 182, fig. (p. 185) (1945).  
*Bambusa tessellata* Munro in Trans. Linn. Soc. Lond. 26: 110 (1868).  
*Bambusa Ragamowski* G. Wheeler in Gard. Chron. n. ser., 6: 847 (1876).  
*Arundinaria tessellata* Bean in Gard. Chron. ser. 3, 15: 338 (1899).  
*Arundinaria Ragamowskii* (Lamb.) Pfitzer in Mitt. Deutsch. Dendr. Ges. 1902(11): 96 (1902).—Bean, Trees Shrubs Brit. Isl. 1: 219 (1914).
- S. palmata** [Burbidge] E. G. Camus, Bambus. 25 (1913)—R. A. Young in Nat. Hort. Mag. 24: 185, fig. (p. 186) (1945).

**Sasa palmata** (continued)

- Bambusa palmata* Marliac ex N. E. Brown in Gard. Chron. ser. 3, 5: 521 (1889); in Kew Bull. 1889: 79 (1889); pro syn. sub *Arundinaria Veitchii*. — Burbidge in Gard. Chron. ser. 3, 7: 641, fig. 106 (1890). — Marliac ex Bean in Gard. Chron. ser. 3, 15: 368 (1894). — Mitford in Garden, 46: 546 (1894); Bamboo Gard. 79, t. (1896).
- ?*Bambusa metallica* Mitford ex E. G. Camus, Bambus. 198 (1913), pro syn.
- Arundinaria palmata* Bean, Trees Shrubs Brit. Isl. 1: 218, t. (1914).
- Arundinaria metallica* Mitford ex Bean, l. c. (1914), pro syn.
- Sasa senanensis* sensu Rehder in Jour. Arnold Arb. 1: 58 (1919), p. p.; non *Bambusa* s. Franchet & Savatier (1879). — Rehder ex Nakai in Rika Kyôiku, 16, 6: 74 (1932) "pro parte."
- S. Veitchii** (Carr.) Rehder in Jour. Arnold Arb. 1: 58 (1919). — R. A. Young in Nat. Hort. Mag. 24: 182, fig. (p.184) (1945).
- Phyllostachys bambusoides* β. *albo-marginata* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 284 (Prol. Fl. Jap. 172) (1866).
- Bambusa senanensis* ? β. *albo-marginata* Franchet & Savatier, Enum. Pl. Jap. 2: 606 [1878].
- Bambusa Veitchii* Carrière in Rev. Hort. 1888: 90 (1888).
- Arundinaria Veitchii* N. E. Brown in Gard. Chron. ser. 3, 5: 521 (1889).
- Arundinaria albo-marginata* Makino in Bot. Mag. Tokyo, 14: 30 (1900).
- Bambusa albo-marginata* Makino in [S. Honda], Descr. Prod. For. Jap. Expos. 1900 Paris, 37 (Japan: Dept. Agr. Comm.; Forest Bur.) (1900); in Bot. Mag. Tokyo, 14: (62) (1900), nom.
- Bambusa albo-marginata* f. *minor* Makino, l. c. (1900).
- Sasa albo-marginata* Makino & Shibata in Bot. Mag. Tokyo, 15: 25 (1901); ex Shirosawa [in Bureau For. Tokyo], Icon. Bamboos Jap. 45, t. 11, fig. 21-27 [1913].
- Sasa albo-marginata* f. *minor* Makino & Shibata, l. c. (1901).
- S. chrysantha** (Mitf.) E. G. Camus, Bambus. 23 (1913). — R. A. Young in Nat. Hort. Mag. 24: 178, fig. (p.175) (1945).
- Arundinaria chrysantha* Mitford, Bamboo Gard. 96 (1896).
- S. pygmaea** (Miq.) E. G. Camus, Bambus. t. 5, fig. B (1913); pro syn. p. 22. — Rehder, Man. Cult. Trees Shrubs, 71 (1927). — R. A. Young in Nat. Hort. Mag. 24: 180, fig. (p.183) (1945).
- Bambusa pygmaea* Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 286 (Prol. Fl. Jap. 174) (1866).
- Arundinaria pygmaea* Kurz ex Teijsmann & Binnendijk, Cat. Pl. Hort. Bogor. 19 (1866), nom. — Mitford, Bamboo Gard. 49 (1898), nom. — Kurz ex Bean, Trees Shrubs Brit. Isl. 1: 218 (1914).
- Arundinaria variabilis* Mak. var. *pygmaea* Makino in Bot. Mag. Tokyo, 14: (63) (1900), p. p.
- Arundinaria variegata* var. *pygmaea* f. *a. pubescens* Makino in op. cit. 26: 17 (1912).
- Sasa variegata* var. *pygmaea* f. *a. pubescens* Makino ex E. G. Camus, Bambusées, 22, t. 5, fig. B (1913) "*S. pygmaea*" in tab.
- Pleioblastus pygmaeus* (Miq.) Nakai in Rika Kyôiku, 15, 6: 70 (1932), nom. subnud.; in Jour. Jap. Bot. 9: 234, fig. 31 (1933).

- S. disticha** (Mitf.) E. G. Camus, Bambusées, 22 (1913). — R. A. Young in Nat. Hort. Mag. 24: 180, fig. (p.183) (1945).
- Bambusa pygmaea* sensu Matsumura, Shokub. Mei-i, 44 (1895), non Miquel (1866).
- Bambusa disticha* Mitford, Bamboo Gard. 183 (1896).
- Arundinaria variabilis* var. *pygmaea* Makino in Bot. Mag. Tokyo, 14: (63) (1900), p. p. — Makino & Shirosawa, Icon. Bamb. Jap. t. 6, fig. 5, 6 (1912).
- Arundinaria variabilis* var. *disticha* Houzeau de Lehaie in Mitt. Deutsch. Dendr. Ges. 1907(16): 227 [1908].
- Arundinaria disticha* (Mitf.) Pfitzer ex Houzeau de Lehaie, l. c. [1908], pro syn.
- Bambusa nana* Hort. ex E. G. Camus, l. c. (1913), pro syn.; non Roxburgh (1832).
- Arundinaria variegata* var. *Oroshima* Makino ex Tsuboi, Ill. Jap. Bamb. 35, t. 34 (1914).
- Pleioblastus distichus* (Mitf.) Nakai in Rika Kyôiku, 15, 6: 69 (1932), nom. subnud.
- Pleioblastus pygmaeus* var. *distichus* (Mitf.) Nakai in Jour. Jap. Bot. 10: 207 (1934).
- S. pumila** (Mitf.) E. G. Camus, Bambus. 22, t. 7, fig. A. (1913). — R. A. Young in Nat. Hort. Mag. 24: 178, fig. (p.175) (1945).
- Bambusa pumila* Mitford in Garden, 46: 530 (1894).
- Arundinaria pumila* Mitford, Bamboo Gard. 98 (1896).
- Arundinaria variabilis* var. *Tanakae* Makino in Bot. Mag. Tokyo, 14: (63) (1900), nom.
- Arundinaria variabilis* var. *pumila* Houzeau de Lehaie in Mitt. Deutsch. Dendr. Ges. 1907(16): 226 [1908].
- Arundinaria variegata* var. *Tanakae* Makino in Bot. Mag. Tokyo, 26: 16 (1912).
- Sasa variegata* var. *Tanakae* E. G. Camus, Bambus. 22 (1913).
- Bambusa pumila* Marliac ex Bean, Trees Shrubs Brit. Isl. 1: 218 (1914), pro syn.
- S. humilis** (Mitf.) E. G. Camus, Bambus. 22, t. 5, fig. c, D (1913).
- Arundinaria humilis* Mitford, Bamboo Gard. 103 (1896).
- Arundinaria Fortunei* f. *viridis* Hort. ex E. G. Camus, Bambus. 22 (1913), pro syn.
- Arundinaria gracilis* Hort. ex E. G. Camus, l. c. (1913), pro syn.
- Pleioblastus humilis* (Mitf.) Nakai in Jour. Jap. Bot. 11: 2 (1935).
- S. variegata** (Miq.) E. G. Camus, Bambus. 21 (1913). — R. A. Young in Nat. Hort. Mag. 24: 180, fig. (p.181) (1945).
- Bambusa Fortunei foliis niveo-vittatis* Van Houtte in Fl. des Serr. 15: 69, t. 1535 (1863), nom. subnud.
- Bambusa variegata* Siebold ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 285 (Prol. Fl. Jap. 173) (1866).
- Bambusa picta* Sieb. & Zucc. ex Munro in Trans. Linn. Soc. Lond. 26: 111 (Monog. Bambus. 1868) (1870), non Lindley (1835).
- Arundinaria Fortunei fol. var. Rivière*, Bambous, 314 (1876); in Bull. Soc. Nat. Acclim. France, sér. 3, 5: 797 (1878) "*A. F. fol. var.*" — E. G. Camus, Bambus. 21, t. 6, fig. B (1913) "*A. F. foliis variegatis.*"
- Bambusa Maximowiczii* Hort. ex Munro in Gard. Chron. n. ser., 6: 774 (1876), pro syn.
- Arundinaria Fortunei* var. *variegata* Bean in Gard. Chron. ser. 2, 15: 238 (1894).
- Arundinaria Fortunei* Mitford, Bamboo Gard. 102 (1896).
- Arundinaria variabilis* var. *variegata* Makino in Bot. Mag. Tokyo, 14: (63) (1900).

- Arundinaria variabilis* var. *Fortunei* Houzeau de Lehaie in Mitt. Deutsch. Dendr. Ges. 1907(16): 226 [1908].
- Arundinaria variegata* (Miq.) Makino in Bot. Mag. Tokyo, 26: 15 (1913); in Makino & Nemoto, Nippon-Shokub.-Soran, ed. 2, 1379 (1931), pro syn.
- Pseudosasa variegata* Nakai in Jour. Arnold Arb. 6: 150 (1925).
- Pleioblastus variegatus* (Miq.) Makino in Jour. Jap. Bot. 3: 23 (1926); in Makino & Nemoto, Nippon-Shokub.-Soran, ed. 2, 1379 (1931).
- Pleioblastus Fortunei* (Van Houtte) Nakai in Jour. Jap. Bot. 9: 232, fig. 30 (1933). — Nemoto, Nippon-Shokub.-Soran-Hoi (Suppl.) 868 (1936).
- PSEUDOSASA** Makino in Jour. Jap. Bot. 2: 15 (1920), nom. subnud., exclud. *P. spiculosa*. — Nakai in Jour. Arnold Arb. 6: 150 (1925), exclud. sp. 3 et 4; Fl. Sylv. Kor. 20: 16 (1933).
- Yadakeya* Makino in Jour. Jap. Bot. 6: 16 (1929).
- LECTOTYPUS: *Arundinaria japonica* Steud. = *P. japonica* (Steud.) Makino.
- P. japonica** (Steud.) Makino in Jour. Jap. Bot. 2: 15 (1920). — Nakai, Fl. Sylv. Kor. 20: 17, t. 1, 2 (1933). — R. A. Young in Nat. Hort. Mag. 24: fig.(p.175) (1945).
- Bambos jatake* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 5 (Syn. Pl. Oecon. Jap.) (1830), nom.
- Arundinaria japonica* Siebold & Zuccarini ex Steudel, Syn. Pl. Glum. 1: 334 (1855).
- Bambusa Metake* Siebold in Hort. Cat. ex Miquel in Ann. Mus. Bot. Lugd.-Bat. 2: 284 (Prol. Fl. Jap. 172) (1866), pro syn. — Nicholson, Ill. Dict. Gard. 1: 155 [1884].
- Bambusa mitis* Hort. Paris ex Munro in Trans. Linn. Soc. Lond. 26: 18 (Monog. Bambus. 1868) (1870), pro syn.; non Roemer & Schultes (1830), nec *Bambos mitis* Poirlet (1808).
- Phyllostachys bambusoides* sensu Matsumura, Nippon Shokub.-Mei-i, 139 (1884), non Siebold & Zuccarini (1843).
- Sasa japonica* Makino in Bot. Mag. Tokyo, 26: 13, fig. 2 (1912).
- ARUNDINARIA** Michaux, Fl. Bor.-Am. 1: 74 (1803). — Benthams & Hooker f., Gen. Pl. 3: 1207 (1883), p. p. — Nakai in Jour. Arnold Arb. 6: 150 (1925).
- Miegia* Persoon, Syn. Pl. 1: 101 (1805).
- Ludolfia* Willdenow in Mag. Ges. Naturf. Fr. Berlin, 2(1808): 320 (1809?), non Adanson (1763).
- Macronax* Rafinesque in Med. Repos. New York, hex. 2, 5: 353 (1808).
- Triglossum* [F. E. L. von Fischer], Cat. Jard. Pl. Gorenki [ed. nov.] 5 (1812).
- Pleioblastus* Nakai in Jour. Arnold Arb. 6: 145 (1925), p. p. typ. — Rehder, Man. Cult. Trees Shrubs, ed. 2, 888 (1940).
- Typus: *A. macrosperma* Michx. = *A. gigantea* (Walt.) Chapm.
- A. gigantea** (Walt.) Chapman, Fl. South. U. S. 561 (1860). — Hitchcock, Man. Grass. U. S. 29, fig. 1, 802 (1935). — R. A. Young in Nat. Hort. Mag. 24: 194, fig.(p.192) (1945). — Cf. Gilly in Bull. Torrey Bot. Club, 70: 297-309, 2 figs. (1943).
- Arundo gigantea* Walter, Fl. Carol. 81 (1788).
- Arundinaria macrosperma* Michaux, Fl. Bor.-Am. 1: 74 (1803).
- Miegia macrosperma* Persoon, Syn. Pl. 1: 102 (1805).
- Ludolfia macrosperma* Willdenow in Mag. Ges. Naturf. Fr. Berlin, 2: 320 (1808).
- Miegia gigantea* Nuttall, Gen. N. Am. Pl. 39 (1818).
- Nastus macrospermus* Raspail in Ann. Sci. Nat. 5: 442, 458, t. 8, fig. 1 (1825).
- Bambusa arundinacea* Rafinesque, Med. Fl. 2: 199 (1830), nom. subnud.; non Willdenow (1799).
- Arundinaria macrosperma* a. *arborescens* Munro in Trans. Linn. Soc. Lond. 26: 15 (Monog. Bambus. 1868) (1870).
- Miegia arundinacea* Torrey ex Munro, l. c. (1868) (1870).
- A. tecta** (Walt.) Muhlenberg, Descr. Uber. Gram. 491 (1817). — Hitchcock, Man. Grass. U. S. 31, fig. 3, 4, 803 (1935). — R. A. Young in Nat. Hort. Mag. 24: 172, fig.(p.174) (1945).
- Arundo tecta* Walter, Fl. Carol. 81 (1788).
- ?*Triglossum bambusinum* [F. E. L. von Fischer], Cat. Jard. Pl. Gorenki [ed. nov.] 5 (1812).
- Miegia pumila* Nuttall, Gen. N. Am. Pl. 39 (1818). — Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 6, 5: 112 (1839).
- Ludolfia tecta* A. Dietrich in Linnaeus, Sp. Pl. ed. 6, 1: 24 (1833).
- ?*Arundinaria tecta* var. *pumila* Ruprecht in Mém. Acad. Sci. St. Pétersb. sér. 6, 3: 112 (1839).
- ?*Arundinaria tecta* var. *colorata* Ruprecht, l. c. t. 2, fig. 18 (1839).
- ?*Arundinaria tecta* var. *distachya* Ruprecht, l. c. t. 2, fig. 18 (1839).
- Arundinaria macrosperma* β. *suffruticosus* Munro in Trans. Linn. Soc. Lond. 26: 15 (Monog. Bambus. 1868) (1870).
- Arundinaria macrosperma* β. *tecta* Wood, Am. Botanist & Florist, 404 (1870). — Beal, Grass. N. Am. 2: 659 (1896).
- Arundinaria gigantea* var. *tecta* Scribner in Bull. Torrey Bot. Club, 20: 478 (1893).
- Bambusa pumila* Mitford in Garden, 45: 530 (1894).
- Bambusa Hermannii* hort. et *B. Neumannii* hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 253 (1896), pro syn.
- A. tecta** var. *decidua* Beadle in Bailey, Stand. Cycl. Hort. 1: 446 (1914). — R. A. Young in Nat. Hort. Mag. 24: 196, fig.(p.195) (1945).
- A. viridi-striata** [Reg.] Makino ex Nakai in Jour. Jap. Bot. 10: 568 (1934) "*viridistriata*." — R. A. Young in op. cit. 179, fig. (1945).
- Bambusa viridi-striata* Regel in Ind. Sem. Hort. Petrop. 1866: 77 (1867). — Siebold ex André in Ill. Hort. 19: 319, t. 108 (1872).
- Arundinaria Fortunei* var. *aurea* Bean in Gard. Chron. ser. 3, 15: 239 (1894).
- Arundinaria auricoma* Mitford, Bamboo Gard. 100 (1896).
- Arundinaria variegata* var. *viridi-striata* Makino in Bot. Mag. Tokyo, 26: 15 (1912).
- Sasa auricoma* E. G. Camus, Bambus. 23, t. 6, fig. A, B (1913).
- Arundinaria Maximowiczii* Hort. ex E. G. Camus, l. c. (1913), p. p.; pro syn.
- Bambusa Fortunei aurea* Hort. ex E. G. Camus, l. c. (1913), pro syn.
- Pleioblastus viridi-striatus* (Reg.) Makino in Jour. Jap. Bot. 3: 11 (1926).
- Sasaella viridi-striata* (Siebold) Nakai in Rika Kyôiku, 15, 6: 76 (1932), nom. subnud.
- A. viridi-striata** var. *vagans* (Gamble) Nakai in Jour. Jap. Bot. 10: 749 (1934).



**Arundinaria viridi-striata** var. **vagans** (*continued*)

- Bambusa pygmaea* sensu Mitford, Bamboo Gard. 112 (1896), non Miquel (1866).  
*Arundinaria pygmaea* sensu [Nicholson in] Kew Hand-list Trees Shrubs, ed. 2, 783 (1902) nom.; non Kurz ex Teijsmann & Binnendijk (1866).  
*Arundinaria vagans* Gamble in Kew Bull. 1915: 350 (1915).  
*Sasaella viridi-striata* var. *vagans* (Gamble) Nakai in Rika Kyôiku, 15, 6: 76 (1932), nom. subnud.; in Jour. Jap. Bot. 10: 568 (1934).
- A. longiaurita** (Hand.-Mazz.) Handel-Mazzetti, Symb. Sin. 7: 1271 (1936). — R. A. Young in Nat. Hort. Mag. 24: 187, fig. (1945).  
*Indocalamus longiauritus* Handel-Mazzetti in Anzeig. Math.-Nat. Kl. Akad. Wiss. Wien, 62: 254 (Pl. Nov. Sin. Forts. 38: 4) (1925).
- A. Simoni** A. & C. Rivière in Bull. Soc. Nat. Acclim. France, sér. 3, 5: 774, fig. 43–50 (Bambous, 286, fig. 43–47) (1878). — R. A. Young in Nat. Hort. Mag. 24: 190, fig. (p.189) (1945).  
*Bambusa metaka* Zollinger, Syst. Verz. Ind. Archip. Pfl. 1: 57 (1854), nom.  
*Arundinaria japonica* sensu Gray in Mem. Am. Acad. Arts Sci., n. ser., 6: 436 (Diag. Char. Pl. Jap. [Bot. Jap.]) (1859), nom. p. p.; non Steudel (1855).  
*Bambusa Simoni* Carrière in Rev. Hort. 1876: 359 (1876).  
*Arundinaria vaginata* Hackel in Bull. Herb. Boissier, 7: 717 (1899).  
*Pleioblastus Simoni* (Carr.) Nakai in Jour. Arnold Arb. 6: 147 (1925); Fl. Sylv. Kor. 20: 33, t. 6 (1933).
- A. Simoni** f. *variegata* (Hook. f.), grad. nov. †  
*Arundinaria Simoni* var. *variegata* Hooker f. in Bot. Mag. 116: t. 7146 (1890). — Schelle in Beissner et al., Handb. laubh.-Ben. 2 (1903) "f.", nom. subnud.  
*Arundinaria Simoni* var. *albo-striata* Bean in Gard. Chron. ser. 3, 15: 301 (1894).  
*Arundinaria Simoni* var. *striata* Mitford, Bamboo Gard. 59 (1896).  
*Arundinaria Simoni* sensu Hackel in Bull. Herb. Boissier, 7: 716 (1899), non Rivière (1878).  
*Pleioblastus Simoni* var. *variegata* Nakai in Jour. Arnold Arb. 6: 147 (1925).
- A. Chino** (Franch. & Sav.) Makino in Bot. Mag. Tokyo, 26: 14 (1912).  
*Arundinaria japonica* sensu Franchet & Savatier, Enum. Pl. Jap. 2: 182 [1877], p. p., quoad specim. Savatier no. 1492; non Siebold & Zuccarini (1846).  
*Bambusa Chino* Franchet & Savatier, op. cit. 183 [1877], nom.; 607, cum descr. [1878].  
*Arundinaria Simoni* var. *Chino* Makino in Bot. Mag. Tokyo, 14: (62), 98 (1900).  
*Pleioblastus Maximowiczii* Nakai in Jour. Arnold Arb. 6: 146 (1925).  
*Pleioblastus Chino* (Franch. & Sav.) Makino in Jour. Jap. Bot. 3: 23 (1926).
- A. Laydekeri** Hooker f. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 253 (1896). — "Hooker f. ex Mitford in Gard. Chron. (1894) 1: 368" ex Durand & Jackson in Index Kew. Suppl. 1, 4: 492 (1906) "*Laydekeri*." — "Hooker f., Mitford" ex Jour. Hort. Soc. Lond. 22: 284, fig. (1898), nom. — Bean ex Vilmorin in Bull. Soc. Dendr. France, 1909 (no. 12): 80 (1909).  
*Bambusa Laydekeri* Hort. (*Arundinaria*) ex Bean in Gard. Chron. ser. 3, 15: 368 (1894). — Mitford, Bamboo

Gard. 92, t. (1896). — Satow in Trans. As. Soc. Jap. 27: 47 (1899).

*Pleioblastus Chino* var. *Laydekeri* Makino in Jour. Jap. Bot. 3: 23 (1926). — Nakai in Jour. Jap. Bot. 10: 293 (1934).

*Pleioblastus Laydekeri* Koidzumi in Act. Phytotax. Geobot. 9: 157 (1940).

**A. angustifolia** Houzeau de Lehaie ex Bean, Trees Shrubs Brit. Isl. 1: 213 (1914).

*Bambusa angustifolia* Mitford, Bamboo Gard. 85 (1896).  
*Bambusa Vilmorini* Latour-Marliac ex Vilmorin & Bois, Frutic. Vilmor. 216 (1904), pro syn.

*Arundinaria chino* var. *argenteo-striata* f. *elegantissima* Makino ex Tsuboi, Ill. Jap. Bamb. 29, t. 27 (1914).  
*Pleioblastus Maximowiczii* var. *argenteo-striatus* f. *elegantissimus* Nemoto in Makino & Nemoto, Fl. Jap. ed. 2, 1378 (1931).

*Pleioblastus angustifolius* (Mitf.) Nakai in Jour. Jap. Bot. 10: 294, fig. 56 (1934).

**A. Hindsii** Munro in Trans. Linn. Soc. Lond. 26: 31 (Monog. Bambus. 1868) (1870).

*Bambusa erecta* Hort. et *B. jacile* Hort. ex [Nicholson in] Kew Hand-list Trees Shrubs, 2: 253 (1896), pro syn.

*Thamnocalamus Hindsii* E. G. Camus, Bambus. 52 (1913).  
*Bambusa gracilis* Hort. Kew. ex E. G. Camus, l. c. (1913), pro syn.

*Pleioblastus Hindsii* Nakai in Jour. Arnold Arb. 6: 146 (1925).

**A. graminea** (Bean) Makino in Bot. Mag. Tokyo, 26: 18 (1912). — R. A. Young in Nat. Hort. Mag. 24: 178, fig. (p.175) (1945).

*Arundinaria Hindsii* var. *graminea* Bean in Gard. Chron., ser. 3, 15: 238 (1894).

*Pleioblastus gramineus* Nakai in Jour. Arnold Arb. 6: 146 (1925).

**SEMIARUNDINARIA** Makino in Jour. Jap. Bot. 2: 8 (1918).

TYPUS: *Bambusa fastuosa* Mitf. = *S. fastuosa* (Mitf.) Mak.

**S. fastuosa** (Mitf.) Makino in Jour. Jap. Bot. 2: 8 (1918). — Nakai in Jour. Arnold Arb. 6: 151 (1925). — R. A. Young in Nat. Hort. Mag. 24: 194, fig. (p.191) (1945).

*Bambusa Narihira* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. 12: 5 (Syn. Pl. Oecon. Jap.) (1830), nom.

*Bambusa fastuosa* Mitford, Bamboo Gard. 105 (1896).

*Arundinaria Narihira* Makino in Bot. Mag. Tokyo, 11: 159 (1900). — E. G. Camus, Bambus. 35, t. 7, fig. c, t. 13, fig. A. (1913).

*Arundinaria fastuosa* Makino in Bot. Mag. Tokyo, 26: 19 (1912).

*Phyllostachys Alquieri* André ex Houzeau de Lehaie ex E. G. Camus, l. c. (1913), pro syn.

*Phyllostachys fastuosa* Hort. ex E. G. Camus, Bambus. 35 (1913), pro syn.

**SINARUNDINARIA** Nakai in Jour. Jap. Bot. 11: 1 (1935).

TYPUS: *Arundinaria nitida* Mitf. = *S. nitida* (Mitf.) Nakai.

**S. nitida** (Mitf.) Nakai, l. c. (1935).

*Arundinaria nitida* Mitford in Gard. Chron. ser. 3, 18: 186, t. 33 (1895); Bamboo Gard. 73, fig. (1896). — E. G. Camus, Bambus. 33, t. 9, fig. A, t. 12, fig. A. (1913).

- S. Murielae** (Gamble) Nakai in Jour. Jap. Bot. **11**: 1 (1935).  
*Arundinaria Murielae* Gamble in Kew Bull. **1920**: 344 (1920).
- CHIMONOBAMBUSA** Makino in Bot. Mag. Tokyo, **28**: 153 (1914), nom. subnud.  
 LECTOTYPUS: *Bambusa marmorea* Mitf. = *C. m.* (Mitf.) Mak.
- C. marmorea** (Mitf.) Makino in op. cit. 154 (1914).  
*Bambos kantik* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 5 (Syn. Pl. Oecon. Jap.) (1830), nom.  
*Bambusa Santsik* Zollinger, Syst. Verz. Ind. Arch. Jap. Pfl. **1**: 57 (1854), nom.  
*Bambusa nana* β. *gracillima* Kurz ex Teijsmann & Binnendijk, Cat. Pl. Hort. Bot. Bogor. **20** (1866), nom.  
*Bambusa marmorea* Mitford, Bamboo Gard. **93**, fig. (1896).  
*Arundinaria nana* Makino in Bot. Mag. Tokyo, **11**: 160 (1897), exclud. syn.  
*Arundinaria Matsumurae* Hackel in Bull. Herb. Boissier, **7**: 716 (1899).  
*Arundinaria marmorea* Makino in Direct. For. Minist. Agr. Com. Jap. [Honda], Descr. Prod. For. Expos. 1900 Paris, **38** (1900), nom.; in Bot. Mag. Tokyo, **14**: 63 (1900), nom.  
*Phyllostachys marmorea* Ascherson & Graebner, Syn. Mitteleur. Fl. **2**, **1**: 778 (1902).  
*Arundinaria Kokantsik* Kurz ex E. G. Camus, Bambus. **47** (1913), pro syn.  
*Arundinaria agrestis* Hort. Jap. ex E. G. Camus, Bambus. **47** (1913), pro syn.  
*Chimonobambusa gracillima* Makino ms. ex Makino in Bot. Mag. Tokyo, **28**: 154 (1914), pro syn.
- THAMNOCALAMUS** Munro in Trans. Linn. Soc. Lond. **26**: 33 (Monog. Bambus. 1868) (1870).  
 TYPUS: *Arundinaria spathiflora* Trin. = *T. spathiflorus* (Trin.) Munro.
- T. spathiflorus** (Trin.) Munro in op. cit. 34 (1870). — E. G. Camus, Bambus. **55**, t. 30, fig. A (1913).  
*Arundinaria spathiflora* Trinius in Mém. Sci. Nat. Acad. Sci. St. Pétersb. sér. 6 (Sci. Nat.), **1**: 617 (Bambus. Nov.) (1835). — Gamble in Ann. Bot. Gard. Calcutta, **7**: 17, t. 16 (Bambus. Brit. Ind.) (1896), pro syn.  
*Arundinaria procera* Wallich ms. ex Munro in Trans. Linn. Soc. Lond. **26**: 34 (Monog. Bambus. 1868) (1870), pro syn.  
 \* *Bambusa macro* Wallich (Num. List, no. 5041) ex Munro, (1870), pro syn.
- PHYLLOSTACHYS** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **3**: 745 (1843). — Benth. & Hooker f., Gen. Pl. **3**: 1208 (1883). — E. G. Camus, Bambus. **56** (1913), exclud. sp. 15.  
 TYPUS: *P. bambusoides* Sieb. & Zucc.
- P. flexuosa** (Carr.) Rivière, Bambous, **269**, fig. 38–41 (1879). — E. G. Camus, Bambus. **60**, t. 31, fig. A (1913). — R. A. Young in Nat. Hort. Mag. **24**: 278, fig. (p. 277) (1945).  
*Bambusa flexuosa* Carrière in Rev. Hort. **1870**: 320 (1870), non Munro (1868).
- P. nuda** McClure in Jour. Washington Acad. Sci. **35**: 288, fig. 2 (1945).
- P. arcana** McClure in op. cit. 280, fig. 1 (1945).
- P. angusta** McClure in op. cit. 278, fig. 1 (1945).
- P. viridi-glaucescens** Rivière in Bull. Soc. Nat. Acclim. France, sér. 3, **5**: 245, fig. 10–13, 28–31 (Bambous) (1878). Non *Bambusa v.* Carrière (1869). — R. A. Young in Nat. Hort. Mag. **24**: 278, fig. (p. 279) (1945).
- P. aurea** Carrière ex Rivière in op. cit. 262, fig. 36, 37 (Bambous) (1878). — R. A. Young in op. cit. 286, fig. (p. 284, 285, 287) (1945).  
*Bambusa aurea* Hort. ex Rivière, l. c. (1878), non Siebold ex Miquel (1866).  
*Phyllostachys bambusoides* var. *aurea* Makino in Bot. Mag. Tokyo, **14**: 64 (1900), nom.; in [S. Honda], Descr. Prod. For. Jap. Expos. 1900 Paris, **33** (Japan; Dept. Agric. Comm.; Forest Bur.) (1900), nom.; in Bot. Mag. Tokyo, **14**: 64 (1900), nom.
- P. Meyeri** McClure in Jour. Washington Acad. Sci. **35**: 286, fig. 1 (1945). — R. A. Young in Nat. Hort. Mag. **25**: 44, fig. (p. 45) (1946).
- P. edulis** (Carr.) Houzeau de Lehaie in Bambou Son Étude, **1**: 39 (1906). — Tsuboi, Ill. Jap. Bamboo, **18**, t. 15 (1914). — Makino in Jour. Jap. Bot. **3**: 97, t. (1926). — R. A. Young in op. cit. 54, fig. (p. 54, 55) (1946).  
*Bambos mosoo* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 5 (Syn. Pl. Oecon. Jap.) (1830), nom.  
*Bambusa mosoo* Zollinger, Syst. Verz. Ind. Archip. Pfl. **1**: 57 (1854), nom.  
*Bambusa edulis* Carrière in Rev. Hort. **1866**: 380 (1866).  
*Phyllostachys mitis* sensu Bean in Gard. Chron. ser. 3, **15**: 369 (1894). — Makino in Bot. Mag. Tokyo, **15**: 64 (1901). — Non Rivière (1879).  
*Phyllostachys pubescens* Mazel ex Houzeau de Lehaie in Bambou Son Étude, **1**: 7 (1906). — E. G. Camus, Bambus. **59**, t. 26, fig. A (1913). — Nakai, Fl. Sylv. Kor. **20**: 52 (1933).
- P. bambusoides** Siebold & Zuccarini in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **3**: 745, t. 5 (1843). — E. G. Camus, Bambus. **57**, t. 27, fig. A, c (1913). — Rehder, Man. Cult. Trees Shrubs, ed. 2, **891** (1940). — R. A. Young in Nat. Hort. Mag. **25**: 60, fig. (p. 59, 61, 63) (1946).  
*Arundo Bambos* Thunberg in Nov. Act. Soc. Sci. Upsal. **4**: 36 (1783), p. p.; non Linnaeus (1753).  
*Bambusa matake* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 4 (Syn. Pl. Oecon. Jap.) (1830), nom.  
*Phyllostachys megastachya* Steudel in Flora, **29**: 21 (1846); Syn. Pl. Glum. **1**: 339 (1855).  
*Phyllostachys macrantha* Siebold & Zuccarini in Flora **29**: 34 (1846), nom.  
*Bambusa bifida* Siebold ms. in herb. Zuccarini ex Munro in Trans. Linn. Soc. Lond. **26**: 36 (Monog. Bambus. 1868) (1870), pro syn.  
*Phyllostachys bifolia* Siebold ms. ex Munro, l. c. (1870), pro syn.  
*Phyllostachys reticulata* sensu K. Koch, Dendr. **2**, **2**: 356 (1873). — Nakai in Jour. Jap. Bot. **9**: 30, fig. 7 (1933, May); Fl. Sylv. Kor. **20**: 47, t. 11 (1933, Dec.). — Non *Bambusa r.* Ruprecht (1840).  
*Bambusa Quiloi* Carrière in Rev. Hort. **1873**: 257 (1873), nom. — Hort. ex Rivière, Bambous, **241** (1878), pro syn.  
*Bambusa Duquilioi* Carrière in Rev. Hort. **1876**: 160 (1876).  
*Phyllostachys Quiloi* Rivière, Bambous, **241**, fig. 25–27 (1878).

**Phyllostachys bambusoides** (*continued*)

- Phyllostachys Mazelii* Hort. ex Rivière, l. c. (1878), pro syn.
- Phyllostachys bambusoides* f. *Zitchikou* Makino in Bot. Mag. Tokyo, **14**: (63) (1900).
- Phyllostachys Quiloi* (f.) *Mazeli* Schelle in Beissner et al., Handb. Laubh.-Ben. 3 (1903).
- Bambusa reticulata* var. *macrophylla* Ruprecht ex Camus, Bambus. 56 (1913), pro syn.
- P. bambusoides** var. **Castillonii** (Marliac) Houzeau de Lehaie in Act. (Trois.) Congr. Intern. Bot. Bruxelles, **2**: 227 (1910).—R. A. Young in Nat. Hort. Mag. **45**: 291, fig. (1945).
- Bambos Kinmeitsik* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 5 (Syn. Pl. Oecon. Jap.) (1830), nom.
- Bambusa Castillonii* Latour-Marliac in Rev. Hort. **1886**: 513, fig. 122 (1886).
- Phyllostachys Castillonis* Mitford, Bamboo Gard. 152 (1896).
- Phyllostachys bambusoides* var. *Castillonis* Makino in Bot. Mag. Tokyo, **14**: (63) (1900), nom.
- Phyllostachys Quiloi* var. *Castillonis* Houzeau de Lehaie in Bambou Son Étude, **1**(3): 118 (1906, Apr. 15).
- Phyllostachys reticulata* var. *Castillonis* Makino in Bot. Mag. Tokyo, **26**: 21 (1912).
- P. bambusoides** var. **marliacea** Makino in op. cit. **14**: (64) (1900).
- Phyllostachys Stauntoni* Munro in Trans. Linn. Soc. Lond. **26**: 37 (Monog. Bambus. 1868) (1870).
- Phyllostachys Marliacea* Mitford, Bamboo Gard. 158 (1896).
- Phyllostachys reticulata* var. *Marliacea* Makino in Bot. Mag. Tokyo, **26**: 21 (1912).
- Phyllostachys Quiloi* var. *Marliacea* Bean, Trees Shrubs Brit. Isl. **2**: 152 (1914).
- P. sulphurea** [Carr.] Rivière, Bambous, 285 (1878).—E. G. Camus, Bambus. 64, t. 32, fig. A (1913).
- Bambusa sulphurea* Carrière in Rev. Hort. **1873**: 379 (1873).
- P. sulphurea** var. **viridis** R. A. Young in Jour. Washington Acad. Sci. **27**: 345 (1937); in Nat. Mag. Hort. **25**: 48, fig. (p. 49) (1946).
- Phyllostachys mitis* Rivière, Bambous, 231, fig. 22, 23 (1878), exclud. *B. edulis*; non *Bambos m.* Poirét (1808).
- P. nidularia** Munro in Gard. Chron. n. ser., **6**: 773 (1876).—E. G. Camus, Bambus. 63, t. 36, fig. A (1913).—R. A. Young in Nat. Hort. Mag. **25**: 42, fig. (p. 43) (1946).
- P. purpurata** McClure in Lingnan Univ. Sci. Bull. **9**: 43 (1940).—R. A. Young in Nat. Hort. Mag. **24**: 288, fig. (p. 289) (1945).
- P. rubromarginata** McClure in op. cit. 44 (1940).—R. A. Young in op. cit. **25**: 44, fig. (p. 47) (1946).
- P. vivax** McClure in Jour. Washington Acad. Sci. **35**: 292, fig. 3 (1945).—R. A. Young in op. cit. 58, fig. (p. 48, 57) (1946).
- P. dulcis** McClure in op. cit. 285, fig. 2 (1945).—R. A. Young in Nat. Hort. Mag. **25**: 40, fig. (p. 41) (1946).
- P. aureosulcata** McClure in Jour. Washington Acad. Sci. **35**: 282 (1945).—R. A. Young in Nat. Hort. Mag. **24**: 275, fig. (p. 276) (1945).—Pring in Missouri Bot. Gard. Bull. **35**: 203, fig. (1947).

- P. nigra** (Loud.) Munro in Trans. Linn. Soc. Lond. **26**: 38 (Monog. Bambus. 1868) (1870).—Nakai, Fl. Sylv. Kor. **20**: 49 (1933, Dec.).—R. A. Young in Nat. Hort. Mag. **24**: 282, fig. (p. 280) (1945).
- Bambusa nigra* Loddiges, Cat. 1823:4 ex Loudon, Hort. Brit. 124 (1830), nom. subnud.—Roemer & Schultes, Syst. Veg. **7**: 1355 (1830).
- Arundinaria stolonifera* Kurz ex Teijsmann & Binnendijk, Cat. Pl. Bot. Gard. Calcutta, 19 (1865), nom.
- Bambusa puberula* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 258 (Prol. Fl. Jap. 173) (1866), p. p.
- Phyllostachys puberula* var. *nigra* Makino in Bot. Mag. Tokyo, **14**: 64 (1900).—Matsumura, Index Pl. Jap. **2**, **1**: 95 (1905).
- P. nigra** f. **punctata** [Bean] Schelle in Beissner et al., Handb. Laubh.-Ben. **2** (1903) "(f.)"—Nakai, Fl. Sylv. Kor. **20**: 50, t. 13 (1933).
- Phyllostachys nigra* var. *punctata* Bean in Gard. Chron. ser. 3, **15**: 431 (1894).
- Phyllostachys puberula* var. *nigra* f. *nigro-punctata* Makino in Bot. Mag. Tokyo, **14**: [64] (1900).
- Phyllostachys puberula* var. *nigro-punctata* Houzeau de Lehaie in Act. (Trois.) Congr. Intern. Bot. Bruxelles, **2**: 223 (1910).—E. G. Camus, Bambus. 59 (1913).
- Bambusa nigro-punctata* Hort. ex E. G. Camus, l. c. (1913), pro syn.
- P. nigra** var. **Henonis** (Mitf.) Stapf ex Rendle in Jour. Linn. Soc. Lond. Bot. **36**: 443 (1904).—Nakai, Fl. Sylv. Kor. **20**: 51 (1933).—R. A. Young in Nat. Hort. Mag. **25**: 50, fig. (p. 53) (1946).
- Bambos hatsik* Siebold in Verh. Batav. Genoot. Kunst. Wetensch. **12**: 5 (Syn. Pl. Oecon. Jap.) (1830), nom.
- Bambusa Tsintsik* in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. **1844**: 24 (1844), nom.
- Bambusa puberula* Miquel in Ann. Mus. Bot. Lugd.-Bat. **2**: 285 (Prol. Fl. Jap. 173. 1867) (1866), p. p.
- Bambusa Henonis* Hort. ex Bean in Gard. Chron. ser. 3, **15**: 368 (1894), nom. subnud.
- Phyllostachys Boryana* Mitford, Bamboo Gard. 147 (1896).
- Phyllostachys Henonis* Mitford, op. cit. 149 (1896).
- Phyllostachys Fauriei* Hackel in Bull. Herb. Boissier, **7**: 718 (1899).
- Phyllostachys bambusoides* var. *Boryana* Makino in Bot. Mag. Tokyo, **14**: [64] (1900), nom.
- Phyllostachys puberula* Makino l. c. (1900).—E. G. Camus, Bambusées, 57, t. 28, fig. A (1913).
- Phyllostachys puberula* var. *Boryana* Makino, l. c. (1900), nom.—Houzeau de Lehaie in Act. (Trois.) Congr. Intern. Bot. Bruxelles, **2**: 222 (1912).—E. G. Camus, Bambusées, 58, t. 28, fig. D (1913).
- Phyllostachys nigra Boryana* Nicholson, Ill. Dict. Gard. Cent. Suppl. 599 (1901).
- Phyllostachys nigra* f. *Boryana* (Mitf.) Makino in Bot. Mag. Tokyo, **26**: 26 (1912).
- Phyllostachys puberula* var. *typica* (Miq.) Houzeau de Lehaie in Act. (Trois.) Congr. Intern. Bot. Bruxelles, **2**: 222 (1912).
- Bambusa Boryana* Marliac ex E. G. Camus, Bambusées, 58 (1913), pro syn.
- Phyllostachys nigra* var. *puberula* (Makino) Fiori in Bull. Soc. Tosc.ortic. **42**: 97, fig. 3 (p. 58), 4 (p. 73), 6 (p. 95) (1917).
- SHIBATAEA** Makino in Bot. Mag. Tokyo, **26**: (236) (1912), nom.; **28**: 22 (1914).

Typus: *Bambusa kumasasa* Steud. = *S. Kumasasa* (Steud.) Mak.

- S. Kumasasa** (Steud.) Makino in Bot. Mag. Tokyo, **28**: 22 (1914).—R. A. Young in Nat. Hort. Mag. **24**: 178, fig. (p. 175, 177) (1945).  
*Bambusa kumasasa* Zollinger, Syst. Verz. Ind. Archip. Pfl. **1**: 57 (1854), nom.—Steudel, Syn. Pl. Gram. 331 (1855) "*B. kumasasa* Zoll.", sphalm. pro *kumasasa*?  
*Phyllostachys Kumasasa* Munro in Trans. Linn. Soc. Lond. **26**: 38, 157 (Monog. Bambus. 1868) (1870).—Bean in Gard. Chron. ser. 3, **15**: 369, fig. 45 (1894) "*Kumasasa*."  
*Bambusa ruscifolia* Siebold ex Munro, l. c. (1868) (1870), pro syn.  
*Phyllostachys Kumasasa* Mitford, Bamboo Gard. 162 (1896).  
*Phyllostachys ruscifolia* Satow in Trans. As. Soc. Jap. **27**: 3, 70, t. (1899).—E. G. Camus, Bambus. 63, t. 31, fig. B (1913).  
*Bambusa viminalis* Hort. ex Satow, l. c. (1899), pro syn.  
*Shibataea ruscifolia* Makino in Bot. Mag. Tokyo, **26**: (236) (1912).  
*Phyllostachys viminalis* Hort. gall. ex Camus, l. c. (1913), pro syn.

### Fam. LILIACEAE

- LILIACEAE Adanson, Fam. Pl. **2**: 42 (1763), p. p.—Lindley, Introd. Nat. Syst. Bot. 279 (1830).—Bentham & Hooker f., Gen. Pl. **3**: 748 (1883).—Barnhart in Bull. Torrey Bot. Club, **22**: 8 (1895).—Dalla Torre & Harms, Gen. Siphonog. 60 (1900).  
*Tulipaceae* Batsch, Dispos. Gen. Pl. Jen. 48 [1786].  
*Alliaceae* Batsch, op. cit. 50 [1786].  
*Leucoiaceae* Batsch, op. cit. 50 [1786].  
*Smilacaceae* Ventenat, Tabl. Règ. Vég. **2**: 146 (1799).—A. de Candolle, Monog. Phan. **1**: 1 (1878).  
*Melanthaceae* R. Brown, Prodr. Fl. Nov. Holl. 272 (1810).—Pfeiffer, Synon. Bot. 87 (1870) "*Melanthiaceae*."  
*Asphodeleae* R. Brown, op. cit. 275 (1810).  
*Smilacae* R. Brown, op. cit. 292 (1810).  
*Hemerocallideae* R. Brown, op. cit. 295 (1810).  
*Colchicaceae* De Candolle in Lamarck & De Candolle, Fl. Franç. ed. 3, **3**: 192 (1805).  
*Asparagineae* Richard in Dict. Class. Hist. Nat. **2**: 20 (1822).  
*Gilliesiae* Lindley in Bot. Reg. **12**: t. 992 (1826); Introd. Nat. Syst. Bot. 275 (1830).  
*Asparageae* Agardh, Aphor. Bot. 160 (1823).—Duby in De Candolle, Bot. Gall. ed. 2, 458 (1828).  
*Liliaceae* subord. *Dracaenaceae* Link, Handb. Erkenn. Gew. **1**: 187 (1829).  
*Smilacinae* Link, op. cit. **1**: 275 (1829).  
*Parideae* Link, op. cit. **1**: 277 (1829).  
*Trilliaceae* [De Candolle, Essai Prop. Méd. Pl. 294 (1816) "Trilliacees in textu sub Liliacees."—] Lindley, Introd. Nat. Syst. Bot. 277 (1830), pro syn.  
*Funkiaceae* Horaninov, Prim. Lin. Syst. Nat. 52 (1834).  
*Convallariaceae* Horaninov, op. cit. 53 (1834).  
*Gilliesiaceae* Lindley, Nat. Syst. Bot. ed. 2, 348 (1836).  
*Asparageaceae* Horaninov, Tetractys Nat. 23 (1843), nom.  
*Asphodelaceae* Horaninov, l. c. (1843), nom.; Char. Ess. Fam. Reg. Vég. 52 (1847).  
*Philesiaceae* Lindley, Veg. Kingd. ed. 2, 217 (1847).  
*Agavaceae* Hutchinson, Fam. Flow. Pl. **2**: 151 (1934), p. p. quoad trib. 1-4.  
*Dracaenaceae* (Link) Small, Fl. Southeast. U. S. 273 (1903).

**RUSCUS** Linnaeus, Sp. Pl. 1041 (1753); Gen. Pl. ed. 5, 463, no. 1008 (1754).—Bentham & Hooker f., Gen. Pl. **3**: 764 (1883).

Typus: *R. aculeatus* L.

**R. aculeatus** Linnaeus, Sp. Pl. 1041 (1753).—Ascherson & Graebner, Syn. Mitteleur. Fl. **3**: 300 (1905).

**R. aculeatus** var. *angustifolius* Boissier, Fl. Or. **5**: 341 (1882).—Voronov in Viestn. Tiflis. Bot. Sad. **7**: t. 2 (1907).

**R. aculeatus** var. *platyphyllus* Rouy, Fl. France, **12**: 452 (1912).

*Ruscus aculeatus* var. *latifolius* Bean, Trees Shrubs Brit. Isl. **2**: 471 (1914).

**R. hyrcanus** Voronov in Viestn. Tiflis. Bot. Sad. **7**: 32, t. 1 (1907).—Tcherniakovska in Komarov, Fl. S. S. S. R. **4**: 447, t. 26, fig. 2 (1935).

**R. Hypoglossum** Linnaeus, Sp. Pl. 1041 (1753).—Tcherniakovska in op. cit. 444, t. 26, fig. 3 (1935).

*Ruscus Hypophyllum* var. *Hypoglossum* Baker in Jour. Linn. Soc. Lond. Bot. **14**: 630 (1875).—Ascherson & Graebner, Syn. Mitteleur. Fl. **3**: 301 (1905).

**R. Hypophyllum** Linnaeus, Sp. Pl. 1041 (1753).—Ascherson & Graebner, l. c. (1905).

**ASPARAGUS** Linnaeus, Sp. Pl. 313 (1753); Gen. Pl. ed. 5, 147, no. 382 (1754).—Bentham & Hooker f., Gen. Pl. **3**: 765 (1883).

*Myrsiphyllum* Willdenow in Mag. Ges. Naturf. Fr. Berlin, **2** (1808): 25 (1809?).

*Asparagopsis* Kunth in Abh. Phys.-Math. Kl. Akad. Wiss. Berlin, **1842**: 35 (1844), nom. event., an *Asparagus* subdiv. ?; Enum. Pl. **5**: 76 (1850).

Typus: *A. officinalis* L.

**A. cochinchinensis** (Lour.) Merrill in Philipp. Jour. Sci. **15**: 230 (1919); in Trans. Am. Philos. Soc. n. ser., **24**: 108 (Comm. Loureiro Fl. Cochinch.) (1935).

*Melanthium cochinchinense* Loureiro, Fl. Cochinch. 216 (1790).

*Anguillaria cochinchinensis* Sprengel, Syst. Veg. **2**: 147 (1825).

*Asparagus lucidus* Lindley in Bot. Reg. **30** (Misc.): 29 (1844).

*Asparagopsis sinica* Miquel in Jour. Bot. Néerl. **1**: 90 (1861).

*Asparagus sinicus* C. A. Wright in Jour. Linn. Soc. Lond. Bot. **36**: 103 (1903).

**A. verticillatus** Linnaeus, Sp. Pl. ed. 2, **1**: 450 (1762).—Iljin in Komarov, Fl. S. S. S. R. **4**: 428 (1935).

*Asparagus verticillaris* Lamarck, Encycl. Méth. Bot. **1**: 297 (1783).

*Asparagus volubilis* Pallas ex Georgi, Geog.-phys. Beschr. Russ. Reich. Nachtr. 268 (1802), nom.; non Thunberg (1794).

**A. aphyllus** Linnaeus, Sp. Pl. 314 (1753).—Boissier, Fl. Or. **5**: 337 [1882].

**DANAE** Medicus, Ein. Künstl. Geschl. Malvenfam. 72 (1787).—Bentham & Hooker f., Gen. Pl. **3**: 765 (1883).

*Ruscus* Linnaeus, Sp. Pl. 1041 (1753), p. p. quoad sp. 5. Typus: *Ruscus racemosus* L. = *D. racemosa* (L.) Moench.

**Danae** (*continued*)

**D. racemosa** (L.) Moench, Meth. Pl. 179 (1794).—Tcherniakovska in Komarov, Fl. S. S. S. R. 4: 443, t. 26, fig. 5a-d (1935).

*Ruscus racemosus* Linnaeus, Sp. Pl. 1041 (1753).

**PHILESIA** Commerson ex Jussieu, Gen. Pl. 41 (1779).—Bentham & Hooker f., Gen. Pl. 3: 767 (1883).

TYPE: *Philesia magellanica* Gmel.

**P. magellanica** Gmelin in Linnaeus, Syst. Nat. ed. 13, 2: 1012 (1791).

*Philesia buxifolia* Lamarck, Tabl. Encycl. Méth. Bot. 2: 387 [1819]; Rec. Planch. 1: t. 248 [1797].—Schneider, Ill. Handb. Laubh. 2: 867, fig. 542h-m (1912).

**SMILAX** Linnaeus, Sp. Pl. 1028 (1753); Gen. Pl. ed. 5, 455, no. 992 (1754).—Bentham & Hooker f., Gen. Pl. 3: 763 (1883).

*Nemexia* Rafinesque, Neogenyt. 3 (1825); Autik. Bot. 130 (1840) "*Nemexis*."

*Parilax* Rafinesque, Neogenyt. 3 (1825); Med. Fl. 2: 264 (1830) "*Parillax*"; Autik. Bot. 129 (1840) "*Parilax*."

*Smilax* subgen. *Oplax* et subgen. *Luiste* Rafinesque, op. cit. 125 (1840).

*Aniketon* Rafinesque, op. cit. 130 (1840).

*Dilax* Rafinesque, op. cit. 131 (1840).

*Coprosmanthus* Kunth, Enum. Pl. 5: 263 (1850).

*Pleiosmilax* Seemann in Jour. Bot. 6: 193, t. 81 (1868).

LECTOTYPUS: *S. aspera* L.

SECT. I. COILANTHUS A. de Candolle in Monog. Phaner. 1: 59 (1878).

**S. microphylla** C. H. Wright in Kew Bull. 1895: 117 (1895).—Rehder in Jour. Arnold Arb. 17: 59 (1936).

*Smilax Labordei* Léveillé & Vaniot in Mem. Pontif. Accad. Nuov. Lincei 23: 355 (Liliac. 27) (1905).

*Smilax gracillima* Léveillé & Vaniot in op. cit. 354 (Liliac. 26) (1905).

*Smilax Darrisii* Léveillé in Repert. Sp. Nov. Reg. Veg. 12: 533 (1913).

*Smilax Mairei* Léveillé in Bull. Acad. Intern. Géog. Bot. 25: 39 (1915).

SECT. II. EUSMILAX A. de Candolle in Monog. Phaner. 1: 66 (1878).

**S. hispida** Muhlenberg ex Torrey, Fl. New York, 2: 302 (1843).—Britton & Brown, Ill. Fl. N. U. S. 3: 529, fig. 1313 (1913).—Coker in Jour. Elisha Mitchell Sci. Soc. 60: 47, t. 31, fig. 1-6 (1944).

*Smilax hispida* Muhlenberg, Cat. Pl. Am. Sept. 92 (1813), nom.

*Smilax grandifolia* Buckley in Am. Jour. Sci. 45: 171 (1843); Buckley in herb. ex A. de Candolle in A. & C. de Candolle, Monog. Phaner. 1: 76 (1878), non Regel (1856).

*Smilax tamnoides* L. var. *hispida* (Muhlenb.) Fernald in Rhodora, 46: 39 (1944).

**S. Sieboldii** Miquel in Versl. Med. Afdeel. Natuurk. Akad. Wetensch. Amsterdam, ser. 2, 2: 87 (1868).—J. B. Norton in Sargent, Pl. Wilson. 3: 10 (1916).

**S. scobinicaulis** C. H. Wright in Kew Bull. 1895: 117 (1895).—Rehder in Jour. Arnold Arb. 17: 60 (1936).

*Smilax brevipes* Warburg in Bot. Jahrb. 28: 256 (1900).—Wang & Tang in Sinensia, 5: 419 (1934).

*Smilax ocreata* Léveillé & Vaniot ex Léveillé in Mém. Pontif. Accad. Nuov. Lincei, 23: 354 (Liliac. 26) (1905).

*Smilax Martini* Léveillé & Vaniot ex Léveillé in op. cit. 355 (Liliac. 26) (1905).

*Smilax Cavaleriei* Léveillé & Vaniot ex Léveillé in op. cit. 355 (Liliac. 27) (1905).

**S. rotundifolia** Linnaeus, Sp. Pl. 1030 (1753).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 1: 528 (1913).

*Smilax caduca* Linnaeus, l. c. (1753).

**S. rotundifolia** var. **quadrangularis** (Willd.) Wood, Class-book Bot. ed. 2, 544 (1847).

*Smilax quadrangularis* Willdenow, Sp. Pl. 4: 775 [1806].

**S. Cantab** Lynch in Garden, 56: 505, fig. (1899), cum descr. angl.

**S. Walteri** Pursh, Fl. Am. Sept. 1: 249 (1814).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 1: 530, fig. 1317 (1913).

**S. bona-nox** Linnaeus, Sp. Pl. 1030 (1753).—Britton & Brown, op. cit. 529, fig. 1315 (1913).

*Smilax variegata* Walter, Fl. Carol. 244 (1788).

*Smilax hastata* Willdenow, Sp. Pl. 4: 782 [1806].

*Smilax tamnoides* sensu Gray, Man. Bot. N. U. S. 485 (1848), non Linnaeus (1753).

*Smilax Pseudo-China* sensu A. de Candolle in A. & C. de Candolle, Monog. Phaner. 1: 82 (1878), non Linnaeus (1753); cf. Fernald in Rhodora, 46: 32 (1944).

*Smilax renifolia* Small in Bull. Torrey Bot. Club, 25: 608 (1898); Fl. Southeast. U. S. 282 (1903).

**S. bona-nox** var. **hederaefolia** (Beyrich ex Kunth) Fernald in Rhodora, 46: 36 (1944).

*Smilax hederaefolia* Beyrich ex Kunth, Enum. Pl. 5: 209 (1850).

*Smilax Bona-nox* subsp. *hederaefolia* A. de Candolle in A. & C. de Candolle, Monog. Phan. 1: 17 (1878).

*Smilax Pseudo-China* sensu Britton & Brown, Ill. Fl. N. U. S. 1: 441, fig. 1056 (1896), non Linnaeus (1753).

**S. glauca** Walter, Fl. Carol. 245 (1788).—Britton & Brown, Ill. Fl. N. U. S. ed. 2, 1: 528, fig. 1311 (1913).

—Coker in Jour. Elisha Mitchell Sci. Soc. 60: 37, t. 9, 26, 37, fig. 4, 5 (1944).

*Smilax Sarsaparilla* Linnaeus, Sp. Pl. 1029 (1753), p. p.

*Smilax spinulosa* Smith in Rees, Cyclop. 33: S. no. [9] [1816].

**S. menispermoides** A. de Candolle in A. & C. de Candolle, Monog. Phaner. 1: 108 (1878).—J. B. Norton in Sargent, Pl. Wilson. 3: 5 (1916).

**S. longipes** Warburg in Bot. Jahrb. 29: 256 (1900).—J. B. Norton, l. c. (1916).

*Smilax China* sensu C. H. Wright in Jour. Linn. Soc. Lond. Bot. 36: 96 (1903), p. p.; non Linnaeus (1753).

**S. megalantha** C. H. Wright in Kew Bull. 1895: 118 (1895); in Hooker's Icon. Pl. 32: t. 3130 (1930).—J. B. Norton in Sargent, Pl. Wilson. 3: 4 (1916).

*Smilax polycoclea* Warburg in Bot. Jahrb. 29: 257 (1900).

**S. China** Linnaeus, Sp. Pl. 1029 (1753).—J. B. Norton, l. c. (1916).

*Coprosmanthus japonicus* Kunth, Enum. Pl. 5: 268 (1850).

*Smilax japonica* Gray in Mem. Am. Acad. Arts Sci. n. ser., 5: 412 (1857).

*Smilax ferox* sensu Bentham, Fl. Hongkong. 370 (1861), non Wallich [1832], nom., nec A. de Candolle (1878).

- Smilax Taquetii* Lévillé in Repert. Sp. Nov. Reg. Veg. **10**: 372 (1912).
- S. biflora** Siebold ex Miquel in Versl. Med. Afdeel. Natuurk. Akad. Wetensch. Amsterdam, ser. 2, **2**: 86 (1867). — A. de Candolle in A. & C. de Candolle, Monog. Phaner. **1**: 49 (1878).
- S. excelsa** Linnaeus, Sp. Pl. 1029 (1753). — Ledebour, Fl. Ross. **4**: 129 [1852]. — A. de Candolle in op. cit. 73 (1878).
- Smilax China* sensu J. G. Gmelin, Reise Russl. **3**: 32, t. 6 (1774), non Linnaeus (1753).
- Smilax laevis* Güldenstädt, Reis. Russl. **1**: 428 (1787), ? nom.
- Smilax tetragona* sensu Seubert, Fl. Azor. 24 (1844), non Linnaeus f. (1781).
- Smilax canariensis* sensu H. C. Watson in Godman, Nat. Hist. Azor. 227 (1877), p. p.; non Willdenow [1806].
- S. lanceolata** Linnaeus, Sp. Pl. 1031 (1753). — Britton & Brown, Ill. Fl. N. U. S. ed. 2, **1**: 530, fig. 1318 (1913). — Coker in Jour. Elisha Mitchell Sci. Soc. **60**: 33, t. 34, 38, fig. 2 (1944).
- Smilax ovata* Pursh, Fl. N. Am. **1**: 249 (1814).
- Smilax Smallii* Morong in Bull. Torrey Bot. Club, **21**: 430 (1894).
- Smilax cinnamomifolia* Small in Bull. Torrey Bot. Club, **25**: 609 (1898); Fl. Southeast. U. S. 282 (1903).
- S. laurifolia** Linnaeus, Sp. Pl. 1030 (1753). — Britton & Brown, l. c. fig. 1316 (1913).
- Parilax laurifolia* Rafinesque, Autik. Bot. 129 (1840).
- S. vaginata** Decaisne in Jacquemont, Voy. l'Inde, **4**(Bot.): 169, t. 169 (1844). — J. B. Norton in Sargent, Pl. Wilson. **3**: 2 (1916).
- Smilax stans* Maximowicz in Bull. Acad. Sci. St. Pétersb. **17**: 170 (in Mém. Biol. **8**: 407) (1872).
- S. trachypoda** J. B. Norton in Sargent, Pl. Wilson. **3**: 3 (1916).
- Smilax stans* sensu C. H. Wright in Jour. Linn. Soc. Lond. Bot. **36**: 101 (1903), p. p.; non Maximowicz (1872).
- S. discotis** Warburg in Bot. Jahrb. **29**: 256 (1900). — J. B. Norton in Sargent, Pl. Wilson. **3**: 6 (1916).
- Smilax China* sensu C. H. Wright in Jour. Linn. Soc. Lond. Bot. **36**: 96 (1903), p. p.; non Linnaeus (1753).
- S. discotis** var. **concolor** J. B. Norton in Sargent, Pl. Wilson. **3**: 6 (1916).
- S. aspera** Linnaeus, Sp. Pl. 1029 (1753). — A. de Candolle in A. & C. de Candolle, Monog. Phaner. **1**: 163 (1878).
- Smilax rigida* A. Russell, Nat. Hist. Aleppo, ed. 2, **2**: 271 (1794).
- Smilax sagittaeifolia* Loddiges, Bot. Cab. **18**: t. 1799 (1831).
- Smilax aspera* β. *genuina* Grenier & Godron, Fl. France, **3**: 234 (1855).
- S. aspera** f. **punctata** (Kolb), grad. nov.
- Smilax maculata* Roxburgh, Fl. Ind. [ed. 2] **3**: 796 (1832).
- Smilax aspera* var. *punctata* Kolb in Gartenfl. **20**: 98, t. 683 (1871).
- Smilax aspera* θ. *maculata* A. de Candolle in A. & C. de Candolle, Monog. Phaner. **1**: 167 (1878).
- S. aspera** var. **mauritanica** (Desf.) Grenier & Godron, Fl. France, **3**: 234 (1855).
- Smilax mauritanica* Desfontaines, Fl. Atlant. **2**: 367 [1799].
- Smilax nigra* Willdenow, Ep. Pl. **4**: 773 [1806].
- Smilax aspera altissima* Moris & de Notaris, Fl. Caprar. 127 (1839).
- YUCCA** Linnaeus, Sp. Pl. 319 (1753); Gen. Pl. ed. 5, 150, no. 388 (1754). — Bentham & Hooker f., Gen. Pl. **3**: 778 (1883). — Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 42 (Yuccaceae) (1902).
- Codonocrinum* Willdenow ex Roemer & Schultes, Syst. Veg. **7**, **1**: 718 (1829), pro syn.
- Hesperoyucca* (Engelm.) Baker in Kew Bull. **1892**: 8 (1892), nom. tentat. — Trelease in Ann. Rep. Missouri Bot. Gard. **4**: 25 (1893).
- Clistoyucca* (Engelm.) Trelease in op. cit. **13**: 41 (1902).
- Samuela* Trelease in op. cit. **13**: 116 (1902).
- LECTOTYPUS: *Y. aloifolia* L.
- Y. filamentosa** Linnaeus, Sp. Pl. 319 (1753). — Sims in Bot. Mag. **23**: t. 900 (1806). — Fernald in Rhodora, **46**: 5, t. 808 (1944).
- Yucca concava* Haworth, Suppl. Pl. Succ. 34 (1819).
- Yucca filamentosa* var. *concava* Baker in Jour. Linn. Soc. Lond. Bot. **18**: 228 (1880). — Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 49, t. 10 (1902). — Ascherson & Graebner, Syn. Mitteleur. Fl. **3**: 283 (1905) "*Y. f. i. typica* c. *concava*."
- Y. filamentosa** f. **variegata** (Carr.) Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 47, 48 (Yuccaceae) (1902).
- Yucca filamentosa variegata* Carrière in Rev. Hort. **1860**: 215 (1860). — Lowe & Howard, Beautif. Leav. Pl. 105, t. 51 (1865) "var."
- ?*Yucca filamentosa aurea elegantissima* [hort.] in Wien. Ill. Garten-Zeit. **5**: 389 (1880), nom. subnud.
- Yucca filamentosa bicolor* Hort. ex Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 48 (Yuccaceae) (1902).
- Y. Smalliana** Fernald in Rhodora, **46**: 8, t. 809 (1944).
- Yucca filamentosa* f. *genuina* a. *angustifolia* Engelm. in Trans. Acad. Sci. St. Louis, **3**: 52 (1873).
- Yucca filamentosa* sensu Baker in Jour. Linn. Soc. Lond. Bot. **18**: 227 (1880), p. p. — Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 46, t. 8 (1902), p. p. — Small, Man. Southeast. Fl. U. S. 303 (1933). — Non Linnaeus (1753).
- Y. flaccida** Haworth, Suppl. Pl. Succ. 34 (1819). — Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 49, t. 16, 91 (Yuccaceae) (1902).
- Yucca puberula* Haworth in Philos. Mag. ser. 2, **3**: 186 (1828).
- ?*Yucca filamentosa meldensis* Lescuyer in Hortic. Franç. **1862**: 189 (1862).
- Yucca filamentosa* var. β. *flaccida* Engelm. in Trans. Acad. Sci. St. Louis, **3**: 52 (1873), 214 (1874).
- Yucca Meldensis* Ellacombe in Garden, **8**: 147 (1875).
- Yucca filamentosa* var. *Y. puberula* Baker in Jour. Linn. Soc. Lond. Bot. **18**: 228 (1880). — Ascherson & Graebner, Syn. Mitteleur. Fl. **3**: 284 (1905) "*Y. f. ii. p.*"
- Yucca filamentosa* sensu Gattinger, Tenness. Fl. 58 (1887), non Linnaeus (1753).
- Y. flaccida** var. **major** (Bak.) Rehder in Jour. Arnold Arb. **1**: 193 (1920).
- Yucca glaucescens* Haworth, Suppl. Pl. Succ. 34 (1819).
- Yucca flaccida* sensu Carrière in Rev. Hort. **1859**: 555, fig. 119, 120 (1859), non Haworth (1819).

***Yucca flaccida* var. *major*** (*continued*)

- Yucca filamentosa* sensu Baker in Refug. Bot. **5**: t. 324 (1873), non Linnaeus (1753).  
*Yucca filamentosa* var. *Y. glaucescens* Baker in Jour. Linn. Soc. Lond. Bot. **18**: 228 (1880).  
*Yucca filamentosa* var. *Y. antwerpensis* hort. ex Baker, l. c. (1880).  
*Yucca orchioidea* var. *major* Baker in Bot. Mag. **103**: t. 6316 (1887).  
*Yucca flaccida* var. *glaucescens* Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 50, 51 (Yuccaceae) (1902).
- Y. flaccida** f. *integra* Trelease in op. cit. 51, 52 (1902).  
*Yucca glauca* sensu Sims in Bot. Mag. **53**: t. 2662 (1826), non Nuttall (1813).
- Y. flaccida** f. *orchioidea* (Carr.) Trelease in op. cit. 50, 51 (1902).  
*Yucca orchioidea* Carrière in Rev. Hort. **1861**: 370, fig. 89, 90 (1861).  
*Yucca filamentosa* (f.) *orchioidea* Ascherson & Graebner, Syn. Mitteleur. Fl. **3**: 284 (1905).
- Y. glauca** Nuttall in Fraser, Cat. no. 89 (1813); repr. in Pittonia, **2**: 119 (1890).—Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 59, t. 23, fig. 2, t. 24, fig. 2, t. 25, t. 83, fig. 9, t. 93 (Yuccaceae) (1902).  
*Yucca angustifolia* Pursh, Fl. Am. Sept. **1**: 227 (1814).  
*Yucca Hanburii* Baker in Kew Bull. **1892**: 8, 217 (1892).
- Y. glauca** var. *stricta* (Sims) Rehder, Man. Cult. Trees Shrubs, 77 (1927).  
*Yucca stricta* Sims in Bot. Mag. **48**: t. 2222 (1821).  
*Yucca angustifolia* var. *Y. stricta* Baker in Jour. Linn. Soc. Lond. Bot. **18**: 227 (1880), p. p.  
*Yucca glauca stricta* Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 61, t. 26, 27 (Yuccaceae) (1902).
- Y. glauca** f. *rosea* (D. M. Andrews), grad. nov.  
*Yucca glauca rosea* D. M. Andrews, Cat. Rockwood Nurs. Spring **1937**: 15 (1937).
- Y. karlsruhensis** [*Y. filamentosa* × *glauca*] Graebner in Gartenwelt, **8**: 7, fig. (1903) "*Y. f.* ♀ × *glauca* ♂."
- Y. angustissima** Engelm. ex Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 58, t. 23, fig. 1, t. 24, fig. 1, t. 83, fig. 6 (Yuccaceae) (1902).  
*Yucca glauca* sensu Coville in Contrib. U. S. Nat. Herb. **4**: 202 (1893), non Nuttall (1813).  
*Yucca radiosa* sensu Coville in op. cit. 203, 277 (1893), non Trelease (1892).  
*Yucca elata*? sensu Merriam in N. Am. Fauna, **7**: 358, t. 14 (U. S. Dept. Agric.—Div. Ornith. & Mamm.) (1893), non Engelm. (1882).
- Y. rupicola** Scheele in Linnaea, **23**: 143 (1850).—Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 67, t. 37–39, t. 84, fig. 2 (Yuccaceae) (1902).  
*Yucca lutescens* Carrière in Rev. Hort. **1858**: 579 (1858).  
*Yucca rupicola* var. *a. tortifolia* Engelm. in Trans. Acad. Sci. St. Louis, **3**: 48 (1873).  
*Yucca tortilis* Hort. et *Y. contorta* Hort. ex Trelease, l. c. (1902), pro syn.
- Y. harrimanniae** Trelease in op. cit. 59, t. 93, fig. 1 (1902).
- Y. neomexicana** Wooton & Standley in Contrib. U. S. Nat. Herb. **16**: 115 (1913).
- Y. gloriosa** Linnaeus, Sp. Pl. 319 (1753).—Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 72, t. 43–46, t. 80, fig. 4 (Yuccaceae) (1902).
- Yucca integerrima* Stokes, Bot. Mat. Med. **2**: 267 (1812).  
*Yucca acuminata* Sweet, Brit. Flow. Gard. **2**: t. 195 (1827).  
*Yucca gloriosa acuminata* Carrière in Rev. Hort. **1868**: 157 (1868).
- Y. gloriosa** var. *robusta* (Carr.) Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 73, 74 (Yuccaceae) (1902) "f. *robusta*" p. 75.  
*Yucca gloriosa* sensu Sims in Bot. Mag. **31**: t. 1260 (1810), non Linnaeus (1753).  
*Yucca gloriosa robusta* Carrière in Rev. Hort. **1868**: 158 (1868).  
*Yucca gloriosa* var. *recurvata* Baker in Gard. Chron. **1870**: 1184 (1870).
- Y. gloriosa** f. *nobilis* (Carr.) Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 73, 75 (Yuccaceae) (1902).  
*Yucca gloriosa nobilis* Carrière in Rev. Hort. **1860**: 360 (1860); **1868**: 157 (1868).  
*Yucca Ellacombei* Baker in Refug. Bot. **5**: t. 317 (1872).  
*Yucca gloriosa* var. *Y. Ellacombei* Baker in Jour. Linn. Soc. Lond. Bot. **18**: 226 (1880).—Ascherson & Graebner, Syn. Mitteleur. Fl. **3**: 283 (1905) "*Y. g.* vi. *E.*"  
*Yucca gloriosa* sensu Anon. in Gardening Ill. **22**: 155, fig. (1900), non Linnaeus (1753).
- Y. gloriosa** var. *β. plicata* (Carr.) Engelm. in Trans. Acad. Sci. St. Louis, **3**: 39, 40 (1873).  
*Yucca gloriosa* sensu Elliott, Sketch Bot. S. Carol. Georgia, **1**: 400 (1821).—Maund in Bot. Gard. (Maund) **3**: no. 286, t. (1830).—Non Linnaeus (1753).  
*Yucca gloriosa plicata* Carrière in Rev. Hort. **1860**: 359 (1860).—Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 75 (Yuccaceae) (1902).  
*Yucca plicata* Hort., *Y. plicata glauca* Hort., *Y. plicatilis* Hort. ex Trelease, l. c. (1902), pro syn.
- Y. gloriosa** f. *superba* (Haworth) Trelease in op. cit. 74, 76, t. 46, fig. 1, t. 84, fig. 4 (1902).  
*Yucca superba* Haworth, Suppl. Pl. Succ. 36 (1819).  
*Yucca gloriosa* var. *superba* Baker in Gard. Chron. **1870**: 1184 (1870); in Jour. Linn. Soc. Lond. Bot. **18**: 225 (1881) "var. *Y. s.*"  
*Yucca gloriosa* sensu Anon. in Gard. Chron. n. ser., **12**: 500, 688, fig. 118 (1879), non Linnaeus (1753).
- Y. recurvifolia** Salisbury in W. Hooker, Parad. Londin. t. 31 (1806).—Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 76, t. 46, 47, 84, fig. 5 (Yuccaceae) (1902).  
*Yucca recurva* Haworth, Syn. Pl. Succ. 69 (1812).  
*Yucca obliqua* Regel in Ind. Sem. Hort. Petrop. **1858**: 24 (1858); in Gartenfl. **8**: 13, 36 (1859); **17**: 161, t. 580 (1868).  
*Yucca pendula* Groenland in Rev. Hort. **1858**: 433, fig. 128 (1858).  
*Yucca gloriosa* sensu Riddell in New Orleans Med. & Surg. Jour. **8**: 763 (1853), non Linnaeus (1753).  
*Yucca gloriosa mollis* Carrière in Rev. Hort. **1860**: 362 (1860).—Baker in Gard. Chron. **1870**: 1184 (1870) "var."  
*Yucca gloriosa* var. *δ planifolia* Engelm. in Trans. Acad. Sci. St. Louis, **3**: 39, 41 (1873).  
*Yucca gloriosa* var. *γ. recurvifolia* Engelm. in op. cit. 39, 40 (1873).
- Y. recurvifolia** f. *marginata* (Carr.) Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 78 (Yuccaceae) (1902).—Rehder, Man. Cult. Trees Shrubs, 77 (1927) "var."  
*Yucca gloriosa* var. *elegans marginata* M. E. in Gard.



- Chron. n. ser., **10**: 667 (1878). — (Morse) ex Wien. Ill. Garten-Zeit. **5**: 76 (1880).
- Yucca gloriosa marginata* Carrière in Rev. Hort. **1880**: 259 (1880).
- Yucca gloriosa marginata aurea* Carrière in op. cit. 260 (1880).
- Y. recurvifolia f. variegata** (Carr.) Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 78 (Yuccae) (1902). — Rehder, Man. Cult. Trees Shrubs, 77 (1927) "var."
- Yucca pendula variegata* Carrière in Rev. Hort. **1875**: 400 (1875).
- Yucca pendula aurea* Carrière in op. cit. **1877**: 249 (1877).
- Yucca gloriosa variegata* Carrière in op. cit. **1880**: 260 (1880).
- ?*Yucca recurva elegantissima* [hort.] ex Wien. Ill. Garten-Zeit. **5**: 460 (1880), nom. subnud.
- ?*Yucca glaucescens variegata* Hort. ex Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 78 (Yuccae) (1902), pro syn.
- Y. baccata** Torrey in Emory, U. S. Mex. Bound. Survey, **2,1**(Bot.): 221 (1859). — Trelease in Ann. Rep. Missouri Bot. Gard. **13**: 109, t. 68-69, t. 85, fig. 4, t. 97 (Yuccae) (1902). — McKelvey, Yuccas Southwest. U. S. 30, fig. 2, t. 8-12 (1938).
- Yucca sp.* Torrey in U. S. (War Dept.) Rep. Expl. Surv. Railr. Mississippi Pacif. Oc. **4**(Bot.): 147 (1856).
- DASYLIRION** Zuccarini in Allg. Gartenzeit. **6**: 258, 303 (1838); in Abh. Math.-Phys. Cl. Akad. Wiss. Münch. **3**: 221, t. 1 (Pl. Nov. Hort. Monac. fasc. 4) [1840]. — Bentham & Hooker f., Gen. Pl. **3**: 780 (1883).
- Roulinia* Brongniart in Ann. Sci. Nat. Bot. sér. 2, **14**: 320 (1840), p. p.
- Bonaparteia* Hort. ex Dalla Torre & Harms, Gen. Siphonog. 70 (1900), p. p., pro syn.; non Ruiz & Pavon (1802), nec Haworth (1812).
- LECTOTYPUS: *Yucca graminifolia* Zucc. = *D. graminifolium* (Zucc.) Zucc.
- D. texanum** Scheele in Linnaea, **23**: 140 (1850). — Trelease in Proc. Soc. Am. Philos. Soc. **50**: 434, t. 12, 15 (1911).
- Nolina texana* S. Watson in Proc. Am. Acad. Arts Sci. **14**: 248 (1879).



# ADDITIONS AND EMENDATIONS

PAGE

- 1a, under **G. biloba** below line 6 insert:  
*Salisburia Ginkgo* Richard, Mém. Conif. Cycad. t. 3 (1826).
- " under **G. biloba** below *Ginkgo biloba* insert:  
*Ginkgo biloba* var. *latifolia* L. Henry in Rev. Hort. nouv. sér., 11: 83, fig. 24 (1911).
- " under **G. biloba** f. *laciniata* below line 4 insert:  
*Salisburia macrophylla* Reynier ex Cat. Sénéclauze 40 ex Carrière, Traité Conif. 504 (1855), pro syn. — Reynier ex Gordon, Pinet. 299 (1858). — Regn. ex Sprecher, *Ginkgo biloba*, 178 (1907) "Regn." sphalm. pro Reynier; pro syn.
- " under **G. biloba** f. *laciniata* line 7 add:  
 — Sprecher, *Ginkgo biloba*, 178 (1907) "f."  
*Ginkgo biloba macrophylla laciniata* Sénéclauze, Conif. 81 [1868]. — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 58 (1906) "var."  
*Ginkgo biloba* var. *macrophylla* Hort. ex Hartwig & Rümpler, Ill. Gehölzb. 664 (1875). — Kent in Veitch, Man. Conif. 314 (1881) "var." — Sprecher, *Ginkgo biloba*, 178 (1907) "f."
- " under **G. biloba** f. *laciniata* below *Ginkgo biloba* var. *dissecta* insert:  
 ?*Ginkgo biloba* var. *triloba* [hort.] ex Henry in Elwes & Henry, Trees Gt. Brit. Irel. 1: 58 (1906).  
*Ginkgo biloba* var. *longifolia* L. Henry in Rev. Hort. nouv. sér. 11: 82, fig. 23 (1911).  
*Ginkgo biloba* f. *adiantifolia* Sprecher ex Tobler in Ber. Deutsch. Bot. Ges. 58: 363 (1940).
- 1b, below *Salisburia adiantifolia variegata* insert:  
*Ginkgo biloba aureo-variegata* C. S. ex Sénéclauze, Conif. 81 (1867).
- " under **G. biloba** f. *aurea* below line 4 insert:  
*Ginkgo biloba* "form" Masters in Jour. Hort. Soc. Lond. 14: 210 (List Conif. Tax. 34) (1892) "golden-leaved form."  
*Ginkgo biloba aurea* (Masters ex) Beissner, Handb. Nadelh. ed. 2, 39 (1909); Fitschen in Beissner, op. cit. ed. 3, 33 (1930) "var."
- 10b, under **A. Borisii-regis** line 3 add:  
 [Mattfeld]; in Bibl. Bot. 25, fasc. 100: 9-84, fig. 4-41 (Hybrid. Sipp. Tann.) (1930) "*A. alba* × *cephalonica*" cum form. multis.
- 13b, under **A. concolor** f. *pendula* line 5 add:  
 — Boerner in Mitt. Deutsch. Dendr. Ges. 44: 370, t. 34 (1932).
- " for **A. venusta** line 1-12 read:  
**A. bracteata** Nuttall, N. Am. Sylva, 3: 137, t. 118 (1849). — Keck in Madroño, 8: 178 (Bibliogr. Not. Abies bract. P. Coulteri) (1946).  
*Pinus bracteata* D. Don in Lambert, Descr. Gen. Pinus, ed. [3] 8° 2: p. [unnumbered] inserted between p. 144 and p. 145 (1832); ed. [1] fol. 3: p., t. (1836); in Trans. Linn. Soc. Lond. 17: 442 [1837].  
*Pinus venusta* Douglas in Comp. Bot. Mag. 2: 152 (1836).

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- 13b, *Picea bracteata* Loudon, Arb. Brit. 4: 2348, fig. 2256 (1838).  
*Taxodium sempervirens* ? sensu Hooker in Hooker's Icon. 4: t. 379 (1841), non D. Don (1824).  
*Abies venusta* K. Koch, Dendr. 2, 2: 210 (1873). — Sargent, Silva N. Am. 12: 129, t. 615, 616 (1898). — Little in Am. Jour. Bot. 31: 592 (1944).
- 15a, under **PSEUDOTSUGA**, line 3 add:  
 — Hornibrook, Dwarf Conif. ed. 2, 220-27, 1 t. [1939], formae nov. et nom. nov.
- 15b, under **P. taxifolia** f. *fastigiata* add at end:  
*Pseudotsuga Douglasii* var. *pyramidalis* Zederbauer in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, 116: 1936 (Var. Nadelh. 10) (1907).
- 16a, under **P. taxifolia** f. *compacta* add at end:  
*Pseudotsuga Douglasii* var. *nana* Zederbauer in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, 116: 1936 (Var. Nadelh. 10) (1907).
- 17b, under **T. canadensis** below line 6 insert:  
*Pinus Abies canadensis* Muenchhausen, Hausvat. 5: 223 (1770).
- " under **T. canadensis** f. *albo-spica* below *Tsuga canadensis albo-spicata* insert:  
 ?*Tsuga canadensis argenteo-variegata* Sudworth in Bull. U. S. Div. For. 14: 44 (1897).
- " below **T. canadensis** f. *albo-spica* insert:  
**T. canadensis** f. *argentea* (Nelson), grad. nov.  
*Abies canadensis argentea* [Nelson], Pinac. 33 (1866).  
*Tsuga canadensis argentea* Hesse ex Schober, Pinet. Schober. 13 (1892) nom. — Henry in Elwes & Henry, Trees Gt. Brit. Irel. 2: 239 (1907).  
*Tsuga canadensis argentifolia* Sudworth in Bull. U. S. Div. For. 14: 44 (1897).
- ?**T. canadensis variegata** [Hort.] ex Otto in Hamburg. Gart. & Blumenzeit. 29: 202 (1873), foliis albo-marg. — Beissner in Jäger & Beissner, Ziergeh. ed. 2, 445 (1884).
- T. canadensis** f. *aurea* (Beiss.) grad. nov.  
*Tsuga canadensis* var. *aurea* Beissner in Jäger & Beissner, Ziergeh. ed. 2, 445 (1884).
- T. canadensis** f. *sparsifolia* (Beiss.), grad. nov.  
*Tsuga canadensis sparsifolia* Beissner, Handb. Nadelh. 402 (1891).  
*Tsuga canadensis paucifolia* Sudworth in Bull. U. S. Div. For. 14: 42 (1897).
- T. canadensis** f. *taxifolia* (Swartley) grad. nov.  
*Tsuga canadensis* var. *taxifolia* Swartley in Am. Nurseryman, 46, 6: 10 (1938).
- " below **T. canadensis** f. *microphylla* insert:  
**T. canadensis** f. *nana* (Carr.), grad. nov.  
*Tsuga canadensis* var. *nana* Carrière, Traité Conif. 190 (1855). — Hahn in Gartenwelt, 35: 497, fig. (1931). — Swartley in Am. Nurseryman, 83, 8: fig. (p. 11) (1946).  
*Abies canadensis nana* Carrière in Jacques & Herincq, Man. Pl. 4: 334 (1857).

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- 17b, **T. canadensis** f. **pumila** Ordnung ex Beissner, Handb. Nadelh. ed. 2, 89 (1909) "(f.)" — Sudworth in Bull. U. S. Div. For. **14**: 42 (1897) "(var.)"
- T. canadensis** f. **Hussii** (Swartley), grad. nov.  
*Tsuga canadensis* var. *Hussii* Hort. ex Swartley in Nat. Nurseryman, **46**: 6 (1938).
- T. canadensis** f. **minima** (Schelle), grad. nov.  
*Tsuga canadensis minima* Hesse ex Schelle, Winterh. Nadelh. Mitteleur. 114 (1909).
- T. canadensis** f. **minuta** (Teusch.), grad. nov.  
*Tsuga canadensis* var. *minuta* Teuscher in New Fl. & Sylva, **7**: 274, fig. 89 (1935).
- T. canadensis** f. **parvula** Victorin & Rousseau in Contrib. Inst. Bot. Univ. Montreal, **36**: 13 (1940).
- T. canadensis** f. **prostrata** Jenkins in Hemlock Arb. Bull. **35**: [3], fig. (1941).
- " below **T. canadensis** f. **compacta** insert:  
**T. canadensis** f. **globosa** (Beiss.) Voss, Vilmor. Blumengärt. **1**: 1240 (1896).  
*Tsuga canadensis globosa* Beissner, Handb. Conif.-Ben. 65 (1887), nom.; Handb. Nadelh. 402 (1891).
- T. canadensis** f. **Dawsoniana** (Swartley), grad. nov.  
*Tsuga canadensis* var. *Dawsoniana* Swartley in Nat. Nurseryman, **46**: 4 (1938).
- T. canadensis** f. **atrovirens** [Parsons] hort. ex Beissner, Handb. Nadelh. ed. 2, 89 (1909) "(f.)"  
*Abies canadensis atrovirens* Parsons & Son, Descr. Cat. 59 [1889?]
- T. canadensis** f. **Fremdii** (Swartley), grad. nov.  
*Tsuga canadensis* var. *Fremdii* Koster ex Swartley in Am. Nurseryman, **46**: 4 (1938).
- T. canadensis** f. **fastigiata** [Beiss.] Schneider in Silva Tarouca, Uns. Freil. Nadelh. 294 (1913)  
"T. c. var. *pyramidalis* f. *fastigata*." — Jenkins in Hemlock Arb. Bull. **42**: [3] fig. (1943), sine nom. latin.  
*Tsuga canadensis fastigiata* Hort. ex Beissner, Handb. Nadelh. 89 (1891).  
*Tsuga canadensis* var. *pyramidalis* Zederbauer in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien, **116**: 1936 (1907), p. p.  
*Tsuga canadensis erecta* Sudworth in Bull. U. S. Div. For. **14**: 43 (1897).
- T. canadensis** f. **columnaris** [Beissn.] Schneider in Silva Tarouca, Uns. Freil. Nadelh. 294 (1913)  
"T. c. var. *pyramidalis* f. *columnaris*."  
*Tsuga canadensis columnaris* Bolle ex Beissner, Handb. Nadelh. 402 (1891).  
*Tsuga canadensis* var. *pyramidalis* Zederbauer, l. c. (1907), p. p.
- " under **T. canadensis** f. **pendula** below line 6 insert:  
*T. canadensis milfordensis* Nicholson, Dict. Gard. **4**: 101 (1889).
- 18a, under **T. heterophylla** insert at end:  
**T. heterophylla** f. **argenteo-variegata** (Schneid.), grad. nov.  
*Tsuga heterophylla* var. *argenteo-variegata* Schneider in Silva Tarouca, Uns. Freil. Nadelh. 294, fig. 305 (1913).  
*Tsuga Mertensiana argenteo-variegata* [Hort.] ex Schneider, l. c. (1913), pro syn.
- 18b, under **T. Mertensiana** f. **argentea** add at end:  
? *Tsuga Mertensiana glauca* [Hort.] ex Bailey, Cult. Conif. 127 (1933).

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- 18b, above **T. Jeffreyi** insert:  
**T. Mertensiana** f. **macrophylla** (Beiss.), grad. nov.  
*Tsuga canadensis macrophylla* Hort. ex Beissner, Handb. Nadelh. 404 (1891).  
*Abies canadensis macrophylla* Hort. ex Beissner, l. c. (1891), pro syn.
- 19b, under **P. Abies** line 2 add:  
— Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 213 (1942), NOM. REJIC. PROPOS.
- 20a, under **P. Abies** add to *Picea excelsa* (1820):  
— Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 213 (1942), NOM. CONSERV. PROPOS.
- 24a, above **P. orientalis** insert:  
**P. mandshurica** Nakai in Jour. Jap. Bot. **19**: 251 (1943).
- 24b, under **P. mariana** add to *Pinus nigra* . . . (1789):  
non Arnold (1785).
- 25b, below **P. glauca** var. **densata** insert:  
**P. glauca** var. **Porsildii** Raup in Sargentia, **6**: 102, t. 12 (1947).
- 31a, below *Pinus Larix* 12. *Fraseri* insert:  
*Abies (Larix) americana* (Michx.) Wood, Class-book Bot. ed. 2, 516 (1847).
- " under **L. pendula** below *Larix americana* var. *pendula* insert:  
*Abies americana* v. *pendula* Wood, Class-book Bot. ed. 2, 516 (1847).
- 33b, below **P. parviflora** f. **glauca** insert:  
**P. parviflora** × **strobis** Sax in Arnoldia **7**: 10 (1947).
- 34b, under **P. cembroides** var. **monophylla** insert at end:  
*Caryopitys monophylla* Rydberg in Bull. Torrey Bot. Club, **32**: 597 (1905).
- 36b, under **P. sylvestris** var. **engadinensis** after line 5 add:  
— Ascherson & Graebner, Syn. Mitteleur. Fl. **1**: 228 (1897) "*P. silv.* Unterart *P. e.*" — Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 214 (1942) "subsp. *e.*"; nom. tent."
- " under **P. Mugo** at end of line 3 add:  
— NOM. CONSERV. PROPOS. cf. Janchen in Repert. Sp. Nov. Reg. Veg. **53**: 61–71 (1944).
- 37a, under **P. Mugo** var. **rotundata** to line 2 add:  
— Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 214 (1942) "subsp."; nom. altern.
- " under **P. Mugo** var. **rotundata** to line 11 add:  
— Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 214 (1942) "subsp."; nom. altern.
- " under **P. Mugo** var. **rostrata** add at end:  
*Pinus Mugo* subsp. *uncinata* (Ramond) Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 214 (1942), nom. altern.
- 37b, under **P. nigra** line 2 add:  
— Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 215 (1902).
- " under **P. nigra** line 4 read:  
*Pinus nigricans*, Host, Vers. Geog.-bot. Schild. Umgeb. Wien, 23 (1826); Fl. Austr. **2**: 628 (1831). — Mansfeld in Repert. Sp. Nov. Reg. Veg. **45**: 208 (1938). — NOM. CONSERV. PROPOS. cf. Janchen in Repert. Sp. Nov. Reg. Veg. **53**: 61–72 (1944).
- 40a, under **P. halepensis** var. **brutia** below line 8 insert:  
? *Pinus Penicillus* Lapeyrouse, Hist. Pl. Pyrén. 63 ex Endlicher, Syn. Conif. 180 (1847).

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- 40b, under **P. Banksiana** at beginning of line 10 before "ed. 2" insert:  
3: 760 (1802), nom. subnud.;
- 41a, under **P. Coulteri** line 1 after D. Don insert:  
in Lambert, Descr. Pinus, ed. [3, 8<sup>o</sup>], 2: p. [un-numbered] between p. 144 and 145 (1832);  
ed. [1], 3: p. [unnumbered] (1837); cf. Renkema & Ardagh in Jour. Linn. Soc. Lond. Bot. 48: 439 (1930) and Little in Am. Jour. Bot. 31: 587 (1944).—
- 42a, before **TAXODIUM** insert:  
**METASEQUOIA** Miki in Jap. Jour. Bot. 11: 261 (1941), pl. fossil.—Hu in Bull. Geol. Soc. China, 26: 106 (1946).  
**M. glyptostroboides** Cheng & Hu in lit.
- 47a, under **T. occidentalis** f. **ericoides** add at end:  
*Thuja occidentalis* var. *squarrosa* Schneider in Silva Tarouca, Uns. Freil.-Nadelh. 281 (1913).
- 49a, under **T. orientalis** f. **juniperoides** below *Thuja* or. var. *decussata* insert:  
*Retinispora Sieboldii* Meehan & Sons, [Cat.] Spring 1896:57 (1896).
- " under **CUPRESSUS** line 3 add:  
—Martinez in Anal. Inst. Biol. Mex. 18: 71-149, 48 fig. (Cupress. Mex.) (1947).
- 56a, under **JUNIPERUS** below line 3 insert:  
*Cedrus Duhamel*, Traité Arb. Arbriss. 1: 139, fig., t. 52 (1755).
- 57b, under **J. communis** var. **depressa** below *Juniperus communis* var. 8. *depressa*:  
*Juniperus intermedia* Schur in Verh. Siebenbürg. Ver. Naturw. 2: 169 (1851).—Wettstein in Sitzber. Math.-Nat. Cl. Akad. Wiss. Wien 96: 332 (1887).  
*Juniperus communis* (f.) *intermedia* Sanio in Deutsch. Bot. Monatschr. 1: 51 (1883).—Ascherson & Graebner, Syn. Mitteleur. Fl. 1: 245 (1896) "B.п.а."
- 58a, under **J. communis** var. **saxatilis** line 11 before "Burgsdorf" insert:  
Loddiges ex Ludwig, Neu. Wilde Baumz. 25 (1783), nom.—  
line 12 for "124 (1787)" read:  
1: 163, 220 (1787) "Lod."; ed. 2, 2: 127 (1790) "Loddiges Cat."—
- 58a, under **J. squamata** line 3 add:  
Van Melle, Review Junip. Chin. t. 11 (1947).
- 58b, under **J. squamata** f. **prostrata** for "grad. nov." read:  
Van Melle, Review Junip. Chin. 32, 99, t. 12 (1947).
- " under **J. squamata** f. **Wilsonii** add as synonyms:  
*Juniperus Wallichiana* var. *Loderi* Hornibrook in Gard. Chron. ser. 3, 85: 50 [1929].  
*Juniperus squamata* var. *Loderi* Hornibrook in Chittenden, Rep. Conif. Cult. Conif. Confer. 74 (1932); Dwarf Conif. ed. 2, 125 [1939].—Van Melle, Review Junip. Chin. 100 (1947), in textu, pro syn.
- 59a, under **J. procumbens** line 3 add:  
Van Melle in Phytologia, 2: 194 (1946); Review Junip. Chin. 31, 97, t. 2, 11 (1947).

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- 59a, under **J. procumbens** below line 7 insert:  
*Juniperus japonica* Hort. ex Carrière, Traité Conif. 33 (1855); in Jacques & Herincq, Man. Pl. 4: 314 (1857).—Kumlien, Hill's Book Evergr. 222, fig. (1936).  
*Juniperus recurva* var. *squamata* Masters in Bull. Herb. Boissier, 6: 274 (1898).—Matsumura, Index Pl. Jap. 11 (1905).—Non Parlatores (1868).  
*Juniperus chinensis* var. *japonica* Hort. ex P. L. Vilmorin, Hort. Vilmor. 58 (1906).
- J. procumbens** f. **nana** (Hornibr.) Van Melle in Phytologia, 2: 194 (1946); Review Junip. Chin. 99, t. 12 (1947).
- Juniperus procumbens* var. *nana* Grootendorst ex Hornibrook, Dwarf Conif. ed. 2, 122 [1939].—Van Melle in Bull. Am. Rock Gard. Soc. 3: 9 fig. (1946) "*J. p. n.*"
- " under **J. pachyphlaea** below line 6 insert:  
*Juniperus Deppeana* var. *pachyphlaea* (Torr.) Martinez in Anal. Inst. Biol. Mex. 17: 53, fig. 41, 42 (Junip. Mex.) (1946).
- " under **J. occidentalis** at end insert:  
*Juniperus Burkei* Hort. ex Schelle in Mitt. Deutsch. Dendr. Ges. 1920(29): 40 (1920).
- " under **J. monosperma** line 2 add:  
—Martinez in Anal. Inst. Biol. Mex. 17: 100, 105, fig. 88, 89 (Junip. Mex.) (1946).
- 60a, under **J. chinensis** line 2 add:  
—Van Melle in Phytologia, 2: 185 (1946), 353 (1947); Review Junip. Chin. 26, 58, t. 12 (1947).\*
- 60b, under **J. chinensis** f. **aurea** line 2 add:  
—Van Melle in op. cit. 185 (1946); op. cit. 26, 61 (1947).
- " above **J. chinensis** f. **mas** insert:  
**J. sphaerica** et sp. al. sensu Van Melle in op. cit. 185-195 (1946); op. cit. 26-31 (1947).
- 60b, **J. sphaerica** Lindley in Paxton's Flow. Gard. 1: 58, fig. 35 (1850).—T. Moore in Gard. Mag. Bot. Hort. 1850: 276, fig. 2 (1850).—Parlatore in De Candolle, Prodr. 16,2: 488 (1868).—Van Melle in Phytologia, 2: 185 (1946); Review Junip. Chin. 26, 61 (1947).  
*Juniperus chinensis* 2. *Smithii* Loudon, Arb. Brit. 4: 2505, fig. 2374 (1838), non aut. poster.  
*Juniperus chinensis* (masc.) Hort. angl. ex Carrière, Traité Conif. 32 (1855).  
*Juniperus chinensis mas* Gordon, Pinet. 1116 (1858).  
*Juniperus chinensis mascula* Carrière, op. cit. ed. 2, 30 (1867).

\* The numerous varieties and forms generally placed under *J. chinensis* have been referred by Van Melle in two recent publications: The Junipers commonly included in *Juniperus chinensis* (in Phytologia, 2: 185-195. 1946) and in Review of *Juniperus chinensis* et al. 108 pp., 12 tt. (1947), except f. *aurea*, to four different species and one hybrid. An account of this treatment follows here, including *J. sphaerica* to *J. davurica* var. *Parsonsii* (p. 649-652). An evaluation of the classification of these Junipers as proposed by Melle is not possible without further careful study and must be left to a future monographer of this group. The new names and the whole arrangement is cited here as published by Van Melle.

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- 60b, *Juniperus sphaerica* (?) *mascula* Carrière, op. cit. 33 (1867).  
*Juniperus Fortunii* Van Houtte ex Gordon, Pinet. 119 (1858), pro syn.  
*Juniperus chinensis Fortunei* Hort. ex Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 101 (1932).  
**J. sphaerica** var. *pseudo-mas* Van Melle in op. cit. 185 (1946); op. cit. 26, 64, t. 1 (1947).  
*Juniperus chinensis pyramidalis* Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 102 (1932).  
*Juniperus chinensis columnaris viridis* et *J. chinensis viridis*, Hort. Am. ex Van Melle, l. c. (1847), pro syn.  
**J. sphaerica** var. *pseudo-mas* f. *columnaris* [F. N. Meyer] Van Melle in op. cit. 186 (1946); op. cit. 27, 65 (1947).  
*Juniperus chinensis* sensu F. N. Meyer in U. S. Dept. Agric. Bur. Pl. Indust. Seeds Pl. Imp. 12: 93, no. 18577 (1907), seed coll. by F. N. Meyer in Hopeh Prov.  
*Juniperus chinensis columnaris* F. N. Meyer in U. S. Dept. Agric. Bur. Pl. Indust. Ann. List New Pl. Intr. 9: 22 (1920) — Bailey, Cult. Conif. 195 (1933).  
*Juniperus chinensis* var. *pyramidalis* f. *glauca* Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 103 (1932). — Bailey, Cult. Conif. 196 (1933) "*J. ch.* var. *p. gl.*"  
**J. sphaerica** var. *dioica* Van Melle in op. cit. 186 (1946); op. cit. 27 (1947).  
*Juniperus chinensis* sensu Beissner in Nuov. Giorn. Bot. Ital. n. ser., 4: 186 (1897).  
*Juniperus chinensis fem.* sensu Beissner in Mitt. Deutsch. Dendr. Ges. 1901(10): 75 (1901); 1902(11): 70 (1902).  
**J. sphaerica** var. *neaboriensis* (Veitch) Van Melle in op. cit. 186 (1946); op. cit. 27, 66 (1947); non Lawson ex Gordon (1858).  
*Juniperus neaboriensis* Veitch, Man. Conif. 277 (1881).  
**J. sphaerica** var. *pendula* (Franch.) Van Melle in op. cit. 186 (1946); op. cit. 27, 68 (1947).  
*Juniperus chinensis* var. *pendula* Franchet in Nouv. Arch. Mus. Hist. Nat. Paris, sér. 2, 7: 101 (Pl. David. 1: 291) (1884).  
**J. sphaerica** var. *Keteleeri* (Beissn.) Van Melle in op. cit. 187 (1846); op. cit. 27, 69 (1947).  
*Juniperus chinensis Keteleeri* (hort. gall.) Beissner in Mit. Deutsch. Dendr. Ges. 1910(19): 140 (1910).  
*Juniperus Keteleerii* hort. gall. ex Beissner, l. c. (1910).  
*Juniperus sinensis* f. *Keteleerii* Beissner ex Schelle in Mitt. Deutsch. Dendr. Ges. 1920(29): 40 (1920). — Venema in Jaarb. Nederl. Dendr. Vereen. 1933: 108, t. (1933) "var."  
*Juniperus virginiana* var. *Keteleeri* Hort. ex Rehder in Bailey, Cult. Evergr. 205 (1923).  
**J. sphaerica** var. *Luptonii* (Van Melle) Van Melle, op. cit. 27, 69 (1947).  
*Juniperus chinensis* var. *Luptonii* Hort. ex Van Melle, l. c. (1947), pro syn.  
**J. Sheppardii** (Veitch) Van Melle in op. cit. 187 (1946); op. cit. 27, 70, t. 4, 5 (1947).

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- 60b, *Juniperus sphaerica Sheppardii* [Kent in] Veitch, Man. Conif. 290 (1881).  
*Juniperus Fortunei* Hort. ex Carrière, Traité Conif. ed. 2, 32 (1867), pro syn.; non Gordon (1858).  
*Juniperus chinensis* var. *Sheppardii* Hornibrook, Dwarf Conif. 62 (1923).  
*Juniperus Fortunii glauca* C. de Vos ex Van Melle, op. cit. 27 (1947).  
**J. Sheppardii** var. *torulosa* (Eastw.) Van Melle in op. cit. 188 (1946); op. cit. 28, 80, t. 9 (1947).  
*Juniperus chinensis* var. *torulosa* Eastwood in Bay Cities Gard. Monthly, 24: 3, 7, fig. (1933).  
**J. Sheppardii** var. *torulosa* f. *aureo-variegata* (Hort. Am.) Van Melle in op. cit. 188 (1946); op. cit. 28, 80 (1947).  
*Juniperus chinensis aureo-variegata* Hort. Am. ex Van Melle, l. c. (1946); l. c. (1947), pro syn.  
**J. Sheppardii** var. *torulosa* f. *albo-notata* Van Melle in op. cit. 188 (1946); op. cit. 28, 80 (1947).  
*Juniperus chinensis albo-variegata* Hort. Am. non-null. ex Van Melle, l. c. (1946); l. c. (1947); non Kent (1881); pro syn.  
**J. Sheppardii** var. *pyramidalis* (Carr.) Van Melle in op. cit. 188 (1946); op. cit. 28, 80, t. 6, 7, 8 (1947).  
*Juniperus chinensis* var. *japonica* Siebold in Jaarb. Nederl. Maatsch. Anmoed. Tuinb. 1844: 31 (1844). — Wilson, Conif. Taxads Jap. 85 (1916).  
*Juniperus japonica* var. *pyramidalis* Carrière, Traité Conif. ed. 2, 31 (1867).  
*Juniperus chinensis* Miquel in Siebold & Zuccarini, Fl. Jap. 2: 58, t. 126, 127 (1870), non Linnaeus (1767).  
*Juniperus japonica* Hort. ex Sargent in Gard. & For. 10: 421 (1897), non Herincq (1857).  
**J. Sheppardii** var. *pyramidalis* f. *variegata* (Carr.) Van Melle, op. cit. 28, 81 (1947).  
*Juniperus japonica* var. *variegata* Carrière, Traité Conif. ed. 2, 31 (1867).  
*Juniperus japonica* var. *variegata* Fortune ex Gordon, Pinet. ed. 2, 159 (1875).  
*Juniperus Chinensis argentea* Hort. ex Gordon, l. c. (1875), pro syn.  
*Juniperus chinensis albo-variegata* Kent, Veitch's Man. Conif. n. ed., 288 (1881).  
**J. media** (*J. Sabina* × *sphaerica*) Van Melle in op. cit. 28 (1947).  
**J. media** var. *arbuscula* Van Melle in op. cit. 189 (1946); op. cit. 29, 81 (1947).  
*Juniperus virginiana pendula viridis* Paul ex Gordon, Pinet. Suppl. 36, 115 (1862).  
*Juniperus virginiana Smithii pendula* Hort. ex Beissner, Handb. Nadelh. 125 (1891).  
*Juniperus chinensis Smithii* Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. 103 (1932).  
**J. media** var. *Pfitzeriana* (Beissn.) Van Melle in op. cit. 190 (1946); op. cit. 29, 81, t. 1 (1947).  
*Juniperus pendula* Morren & A. de Vos, Index Bibl. Hort. Belg. 32 (1887). — Van Melle, op. cit. 82 (1947) "*J. japonica p.*"; pro syn.

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- 60b, *Juniperus chinensis* var. *pendula* Beissner in Jaeger & Beissner, Ziergeh. ed. 2, 459 (1884), nom. subnud.—Gaujard ex Morel in Rev. Hort. 1889: 349 (1889).—Van Melle, op. cit. 82 (1947) "*J. ch. p.*"; pro syn.—Non Franchet (1884).
- Juniperus chinensis* *Pfitzeriana* Späth, Verz. no. 104: 142 (1899).—Beissner in Mitt. Deutsch. Dendr. Ges. 1899(8): 102 (1899).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 66 (1940).
- Juniperus sinensis* var. *Pfitzeriana* Anon. in Gartenwelt. 5: 402, fig. (1902).
- J. media** var. *Pfitzeriana* f. *aurea* (Hort.) Van Melle in op. cit. 190 (1946); op. cit. 29, 85 (1947).
- ?*Juniperus chinensis aurea pendula* Hort. ex Beissner, Handb. Nadelh. 121 (1891).
- Juniperus chinensis Pfitzeriana aurea*, Kumlien, Hill's Book Evergr. 48 (1936), nom.—D. Hill, New Evergr. Gold. Pfütz. Junip. 4 pp., fig. [1937], sine nom. latino.; Hill's Evergr. [Cat.] 11, fig. [1941].
- J. media** var. *Pfitzeriana* f. *compacta* (Bobbink & Atkins) Van Melle in op. cit. 190 (1946); op. cit. 29, 85 (1947).
- Juniperus chinensis Pfitzeriana compacta* Bobbink & Atkins, Cat. [1930?].
- J. media** var. *Pfitzeriana* f. *Armstrongii* (Bailey) Van Melle in op. cit. 190 (1946); op. cit. 29, 85 (1947).
- Juniperus chinensis* var. *Armstrongii* Bailey, Hortus Suppl. 710 (1935).
- J. media** var. *Pfitzeriana* f. *glauca* (Texas Nurs. Co.) Van Melle in op. cit. 190 (1946); op. cit. 29, 85 (1947).
- Juniperus chinensis Pfitzeriana glauca* Texas Nurs. Co. (1940).
- J. media** var. *globosa* (Hornibr.) Van Melle in op. cit. 191 (1946); op. cit. 29, 86, 88, t. 10 (1947).
- Juniperus chinensis* var. *globosa* Hornibrook, Dwarf Conif. 62 (1923).—Rehder, Bibliog. Cult. Trees Shrubs, 60b (1949) "*f.*"
- J. media** var. *globosa* f. *aureo-globosa* (Rehd.) Van Melle in op. cit. 191 (1946); op. cit. 29, 89 (1947).
- Juniperus chinensis* var. *globosa aurea* Nash in Jour. New York Bot. Gard. 18: 168 (1917), nom.—Hornibrook, Dwarf Conif. 63 (1923) "*f. aurea.*"
- Juniperus chinensis* var. *aureo-globosa* Rehder in Bailey, Cult. Evergr. 195 (1923).
- J. media** var. *plumosa* (Hornibr.) Van Melle in op. cit. 191 (1946); op. cit. 30, 86, 89 (1947).
- Juniperus chinensis* v. *procumbens*, Beissner, Handb. Nadelh. 121 (1891), p. p.
- Juniperus chinensis* var. *plumosa* Hornibrook, Dwarf Conif. 66 (1923).
- J. media** var. *plumosa* f. *albo-variegata* (Beissn.) Van Melle in op. cit. 192 (1946); op. cit. 30, 90 (1947).
- Juniperus chinensis procumbens albo-variegata* Hort. ex Beissner Handb. Nadelh. 121 (1891).
- Juniperus chinensis* var. *decumbens albo-variegata* Hornibrook, Dwarf Conif. 66 (1923).
- Juniperus chinensis* var. *plumosa albo-variegata* Hornibrook, Dwarf Conif. ed. 2, 106 (1938).

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- 60b, **J. media** var. *plumosa* f. *aurata* Van Melle in op. cit. 192 (1946); op. cit. 30, 90 (1947).
- Juniperus chinensis procumbens aurea* Hort. ex Beissner Handb. Nadelh. 121 (1891), non *J. chinensis aurea* Young (1872), nec Beissner (1887).
- J. media** var. *plumosa* f. *aureo-variegata* (Beissn.) Van Melle in op. cit. 192 (1946); op. cit. 30, 90 (1947).
- Juniperus chinensis procumbens aureo-variegata* Beissner, Handb. Nadelh. 121 (1891).
- Juniperus chinensis* var. "*japonica aureo-variegata*" Masters ex Henry in Elwes & Henry, Trees Gt. Brit. Irel. 6: 1432 (1912).
- under **J. chinensis** var. *Sargentii* add to line 3 of *Juniperus Sargentii*:  
—Komarov, Fl. S. S. S. R. 1: 183 (1934).—Van Melle Review Junip. Chin. 31, 93 (1947).
- under **J. chinensis** var. *Sargentii* below line 4 insert:  
*Juniperus chinensis* sensu Matsumura, Index Pl. Jap. 2: 10 (1905), non Linnaeus (1767).
- below line 7 insert:  
*Juniperus procumbens* Nakai, Veg. Quelpart Isl. 13 (1915?), non Endlicher (1847).
- Juniperus davurica* sensu Nakai in Bot. Mag. Tokyo, 33: 21 (1917), non Pallas (1788).
- to *Juniperus Sargentii* line 3 add:  
—Van Melle, Review Junip. Chin. 39, 93–97 (1947).
- J. davurica** Pallas, Fl. Ross. 1,2: 13, t. 5 (55) (1788) "*daurica.*"—Ledebour, Fl. Ross. 3: 683 [1850].—J. Forbes, Pinet. Woburn. 209 (1839) "*daurica.*"—Beissner, Handb. Nadelh. 106 (1891).—Komarov, Fl. S. S. S. R. 1: 188 (1934) "*dahurica.*"
- Juniperus foetida* δ. *davurica* Spach in Ann. Sci. Nat. sér. 2, 16: 296 (1841).
- Sabina davurica* Antoine, Cupress.-Gatt. 56, t. 77, 78c-k (1857).
- J. davurica** var. *Parsonsii* (Hornibr.) Van Melle in Phytologia, 2: 192 (1946); Rev. Junip. Chin. 30, 91, t. 10 (1947).
- Juniperus chinensis* var. *japonica* sensu Slavin in Chittenden, Conif. Cult. Rep. Conif. Confer. Hort. Soc. Lond. 102 (1932), non Lavallée (1877), nec Siebold (1844), nec Vilmor. ex Wilson (1916).
- Juniperus chinensis* var. *Parsonsii* Hornibrook, Dwarf Conif. ed. 2, 96 [1939].
- Juniperus squamata* var. *Parsonsii* Bailey, Hort. Second. 400 (1941), nom. subnud.
- J. davurica** var. *Parsonsii* f. *variegata* (Hornibr.) Van Melle in op. cit. 193 (1946); op. cit. 31, 93 (1947).
- ?*Juniperus chinensis* var. *japonica* Laws. f. *alba* Rehder in Jour. Arnold Arb. 6: 202 (1925) p. p.; non *J. japonica alba* Gordon (1875).
- Juniperus chinensis* var. *expansa variegata* Hornibrook, Dwarf Conif. ed. 2, 94 [1938].
- Juniperus squamata* var. *albo-variegata* et var. *variegata* Bailey, Hort. Second. 400 (1940), nom. subnud.
- Juniperus squamata prostrata* hort. nonnull. ex Van Melle, Review Junip. Chin. 31 (1947), pro syn.; non Hornibrook (1923).



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- 61b, *Juniperus procumbens* hort. nonnull. Van Melle, l. c. (1947); non Miquel (1870).
- 62a, under **J. virginiana** f. **pyramidalis** insert at end:  
*Juniperus virginiana* var. *crebra* Fernald & Griscom in Rhodora, **37**: 133, t. 332 (1935).
- 62b, under **J. virginiana** f. **globosa** below line 5 insert:  
*Juniperus virginiana* *humilis* Loddiges ex Carrière, *Traité Conif.* ed. 2, 46 (1867).  
*Juniperus virginiana* *nana compacta* Hort. ex Beissner, *Handb. Nadelh.* 126 (1891).—Hornibrook, *Dwarf Conif.* 127 [1939].  
*Juniperus virginiana* var. *nana* Schneider in Silva Tarouca, *Uns. Freil.-Nadelh.* 204 (1913), cum formis plur.
- J. virginiana** f. **tabulaeformis** Schneider, l. c., fig. 188 (p. 187). (1913) "var. *nana* f. *t.*"
- 63a, under **J. scopulorum** f. **horizontalis** add at end:  
*Juniperus scopulorum* var. *repens* Hornibrook, *Dwarf Conif.* ed. 2, 126 [1939].
- 66b, under **P. canescens** line 2 before "Schneider" insert:  
Issler in Bull. Soc. Dendr. France, **1929**(70): 44, fig. 3, 4 (p. 41) (1929).—
- 67a, under **P. tremuloides** line 3 for "G[ordon] & D[ermer] ex" read:  
Gordon, Dermer & Edmonds, *Cat. Trees Shrubs*, 22 [1782?], nom.—
- 68a, under **P. heterophylla** line 2 before "Burgsdorf" insert:  
Gordon, Dermer & Edmonds, *Cat. Trees Shrubs*, 22 [1782?], nom.—Ludwig, Neu. Wilde Baumz. 35 (1783), nom.—
- 68b, under **P. candicans** line 3 before "C. F. Ludwig" insert:  
Gordon, Dermer & Edmonds, l. c. [1782?], nom.—
- 70a, under **P. nigra** var. **italica** after line 5 insert:  
*Populus Padensis* Gordon, Dermer & Edmonds, l. c. 22 [1782].
- 71a, under **P. deltoides** after line 8 insert:  
*Populus canadensis* Gordon, Dermer & Edmonds, l. c. 22 [1782], nom.
- 71a, under **P. deltoides** line 9 after *Caroliniensis* insert:  
Gordon, Dermer & Edmonds, l. c. [1782], nom.—
- 72b, under **SALIX** line 4 add:  
Raup in Sargentia, **4**: 81–126, t. 1–4 (maps) (Willows Huds. Bay) (1943).
- 78a, under **S. livida** for lines 1–5 read:  
**S. Starkeana** Willdenow, Sp. Pl. **4**, 2: 677 [1806].—Schneider in Sargent, Pl. Wilson. **3**: 151 (1916).—Floderus in Svensk Bot. Tidskr. **37**: 81 (1943).  
*Salix arbuscula* a. Linnaeus, Sp. Pl. 1018 (1753).  
*Salix livida* Wahlenberg, Fl. Lapp. 272 (1812).—Görz in Repert. Sp. Nov. Reg. Veg. **36**: 24 (1934).—Rehder, Man. Cult. Trees Shrubs, ed. 2, 99 (1940).
- 78b, for **S. livida** var. **cinerascens** lines 1–2 read:  
**S. Starkeana** var. **cinerascens** (Wahlenb.) Schneider in Sargent, Pl. Wilson. **3**: 151 (1916).  
*Salix livida* var. *cinerascens* Wahlenberg, Fl. Lapp. 275 (1812).  
delete lines 12–13.

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- " under **S. grandifolia** line 3 add:  
—Mansfeld in Repert. Sp. Nov. Reg. Veg. **46**: 62 (1939).
- 79b, under **S. repens** var. **nitida** add to *S. repens* var. *arenaria* line 4:  
—Hiitonen, Suom. Kasv. 267 (1933) "ssp."
- " under **S. repens** var. **rosmarinifolia** line 3 add:  
—Hylander in Uppsala Univ. Årsskr. **1945**, **7**: 122 (Nomenkl. Syst. Stud.) (1945).
- 80a, **S. petiolaris** transfer to 81b before **S. phyllifolia**.
- 82b, under **S. Barclayi** line 3 add:  
—Kelso in Biol. Leaflet (Kelso) **34**: 78 (1946), cum var. nov. plur.
- 83b, under **S. lanata** after line 7 add:  
*Salix lanata* ssp. *eu-lanata* Hylander in Uppsala Univ. Årsskr. **1945**, **7**: 122 (Nomenkl. Syst. Stud.) (1945).
- " under **S. daphnoides** at end add:  
*Salix daphnoides* ssp. *eu-daphnoides* Hylander in op. cit. 123 (1945).
- 84a, under **S. acutifolia** insert at end under *Salix daphnoides* var. *acutifolia* line 2:  
—Hylander in op. cit. 123 (1945).
- " under **S. viminalis** below line 5 add:  
*Salix veriviminalis* Nasarov in Komarov, Fl. S. S. R. **5**: 134 (1936).  
*Salix viminalis* ssp. *veriviminalis* Hylander in op. cit. 122 (1945).
- 84b, under *S. viminalis* var. *Gmelini* add at end:  
? *Salix rossica* Nasarov in op. cit. 135, t. 7, fig. 6 (1936).  
? *Salix viminalis* ssp. *rossica* Hylander, l. c. (1945).
- " under **S. dasyclados** line 2 add:  
—Nasarov in Komarov, Fl. S. S. R. **5**: 147 (1936).
- 87b, under **MYRICA** line 5 add:  
cf. Hylander in Uppsala Univ. Årsskr. **1945**, **7**: 40 (1945).
- 89b, under **JUGLANS** line 2 after (1754) insert:  
—Moench, Meth. Pl. 696 (1794) "*Juglans*."
- 94a, under **C. ovata** below *Juglans squamosa* insert:  
*Juglans squamosa* Eaton, Man. Bot. N. Stat. ed. 2, 288 (1818), sphalm.—Merrill & Reeder in Bartonia, **24**: 63 (1947), pro syn.
- 94b, under **CORYLACEAE** add to line 5 of *Betulaceae*:  
—Janchen & Neumayer in Öster. Bot. Zeitschr. **91**: 229 (1942), NOM. CONSERV. PROPOS.—Janchen in Repert. Sp. Nov. Reg. Veg. **50**: 354 (1947).
- 97a, under **B. pendula** f. **dalecarlica** add to *Betula verrucosa* var. *dalecarlica* line 3:  
"var. *a. vulgaris* f. *d.*"  
*Betula alba* subsp. *verrucosa* a. *vulgaris* 4. *lobata* Regel in De Candolle, Prodr. **16**, 2: 164 (1868).
- " before **B. pendula** f. **tristis** insert:  
**B. pendula** f. **lobulata** (Anders. in Fries, Herb. norm. ex Winkler), comb. nov.  
*Betula verrucosa* a. *vulgaris* f. *lobulata* Anders. in Fries herb. ex Winkler in Engler, Pflanzenreich, IV, **61** (Heft 19): 77 (1904).
- " under **B. pendula** f. **gracilis** below line 7 insert:  
*Betula verrucosa* var. *elegans laciniata* (Dipp.) Adamow in Mitt. Deutsch. Dendr. Ges. **44** (1932): 346 (1932).

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- 97a, under **B. pendula** f. **Youngii** add to *Betula verrucosa elegans* line 4:  
—Adamow, l. c. (1932) “(var.) e. (Dipp.)”
- 97b, under *Betula verrucosa* f. **fastigiata** at end add:  
*Betula verrucosa* (var.) **pyramidalis** (Dipp.)  
Adamow, l. c. (1932).
- under **B. pendula** var. **oycoviensis** line 7 add:  
—Szaferowa in Ann. Soc. Dendr. Pologne, 2:  
69—88, fig. 1A, t. 1—4 (Brzoza ojowska, 16 pp.) (1928).
- under **B. platyphylla** insert at end:  
*Betula verrucosa* var. **platyphylla** Lindquist in  
Svensk Bot. Tidskr. 41: 71, fig. 7, 8a (1947).
- 99b, under **B. pubescens** below line 3 insert:  
—Adamow in Mitt. Deutsch. Dendr. Ges.  
44(1932): 347 (1932).
- “ under **B. pubescens** after *Betula tomentosa* insert:  
? *Betula torfacea* Schleicher, Cat. Pl. Helv. ed. 4,  
9 (1821), nom.  
*Betula alba* var. **torfacea** Custor in Sauter in  
Flora, 20, Beibl. 1: 41 (1837).
- “ under **B. pubescens** f. **urticifolia** line 2 add:  
—Hjelmquist in Fysiogr. Sällsk. Handl. n. ser.  
55,7: 39, fig. 12 (1944).
- under **B. pubescens** **urticifolia** insert at end:  
**B. pubescens** var. **tortuosa** Lindquist in Act. Hort.  
Berg. 14: 91, fig. (1946).
- 100a, under **B. humilis** line 4 add:  
—Adamow in Mitt. Deutsch. Dendr. Ges.  
44(1932): 348 (1932).
- 100b, under **B. pumila** below line 3 insert:  
*Betula pumila canadensis*[is] Gordon, Dermer &  
Edmonds, Cat. Trees Shrubs, 6 [1782?], nom.
- 102a, under **A. crispa** line 3 for “Michaux, Fl. Bor. Am. . .”  
read:  
Michaux ex Winkler in Engler, Pflanzenreich  
IV. 61 (Heft 19): 107 (1904), pro syn.
- “ under **A. sinuata** add at end:  
*Alnus crispa* subsp. **sinuata** (Regel) Hultén in Fy-  
siogr. Sällsk. Handl. n. ser., 55,1: 587 (Fl.  
Alaska Yuk.) (1944).
- 108a, above **C. Betulus** f. **purpurea** insert:  
**C. Betulus** f. **albo-variegata** Schneider, Ill. Handb.  
Laubh. 1: 140 (1940) “*C. B.* var. **serrata** f. **a.**”  
**C. Betulus** f. **aureo-variegata** Schneider l. c. (1904)  
“*C. B.* var. **serrata** f. **a.**”
- “ under **C. Betulus** f. **incisa** line 2 add:  
—Hjelmquist in Fysiogr. Sällsk. Handl. n. ser.,  
55,7: 30, fig. 8 (1944).
- “ above **C. Betulus** f. **quercifolia** insert:  
**C. Betulus** f. **cucullata** Schneider, Ill. Handb.  
Laubh. 1: 140 (1904) “*C. B.* var. **serrata** f. **c.**”
- “ above **C. Betulus** f. **pendula** insert:  
**C. Betulus** f. **horizontalis** Schneider, l. c. (1904)  
“*C. B.* var. **serrata** f. **h.**”
- 109a, under **O. carpinifolia** below line 6 insert:  
*Ostrya italica* Scopoli, Fl. Carniol. 414 (1760),  
nom. prae-Linn.
- 112a, under **C. cornuta** line 3 for “Gordon & Dermer ex”  
read:  
Gordon, Dermer & Edmonds, Cat. Trees Shrubs,  
10 [1782?], nom. —
- 114a, under **F. sylvatica** f. **laciniata** line 2 add:  
—Hjelmquist in Fysiogr. Sällsk. Handl. n. ser.,  
55,7: 25, fig. 6 (1944).

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- 115a, under **F. Engleriana** after line 2 insert:  
*Fagus sylvatica* L. var. **bracteolis involucri exter.**  
**spatulatim dilatatis** Oliver in Hooker's Icon.  
Pl. 20: t. 1936 (1890), pro syn.  
*Fagus ferruginea* f. **d. Rosthornii** Ettingshausen in  
Denkschr. Math.-Nat. Kl. Akad. Wiss. Wien,  
61: 12, 16, t. 3, fig. 1—4, t. 4, fig. 2—3 (1894),  
ut videtur = A. von Rosthorn, no. 1525, Sents'  
ao p'ing, Nanchuan, prov. Szechuan.  
*Fagus ferruginea* f. **b. dentata** Ettingshausen, l. c.,  
t. 4, fig. 1, 4 (1894), A. von Rosthorn, e Nan-  
chuan, Shantzu-p'ing.  
*Fagus ferruginea* f. **c. parvifolia** Ettingshausen l.  
c., t. 4, fig. 1, fol. ad basin ramuli (1894).
- 115b, under **C. dentata** below *Castanea americana* insert:  
*Castanea americana* var. **angustifolia** et var. **lati-**  
**folia** Rafinesque, New Fl. N. Am. 3: 82 [1838].
- 116a, above **C. sativa** f. **asplenifolia** insert:  
**C. sativa** f. **variegata** (Loud.), grad. nov.  
*Fagus-Castanea* *Castanea variegata* Weston,  
Bot. Univ. 1: 107 (1770).  
*Castanea vesca* var. **6. variegata** Loudon, Arb.  
Brit. 3: 1984 (1838).  
*Castanea vesca* fol. **aureis** Loddiges Cat. 1836 ex  
Loudon, l. c. (1838), pro syn.  
*Castanea vesca* (f.) **aureo-variegata** hort. ex Beiss-  
ner et al., Handb. Laubh.-Ben. 63 (1903), et  
formae aliae fol. **variegatis**, nom.
- 116b, under **C. pumila** add at end:  
? *Castanea pumila* var. **fulva** Rafinesque, Fl. N.  
Am. 3: 83 [1838].
- 118b, under **Q. exacta** line 6 after “Engelmann” insert:  
ex A. Braun in Sitzber. Ges. Naturf. Fr. Berlin,  
1870: 82 (1871);
- 120b, under **Q. texana** line 10 add:  
—E. J. Palmer in Am. Midland Nat. 27: 736,  
739 (1942) “var. **t.**”
- 121a, under **Q. Richteri** line 2 add:  
—Croizat in Torreya, 36: 141 (1936).
- “ below **Q. borealis** var. **maxima** insert:  
**Q. borealis** f. **flabellata** (Croizat), grad. nov.  
*Quercus borealis* var. **flabellata** Croizat in Torreya,  
36: 141 (1936).
- 123b, under **Q. hispanica** var. **Lucombeana** line 4 after  
*exoniensis* insert:  
Gordon, Dermer & Edmonds, Cat. Trees Shrubs  
Pl. 24 [1782?], nom. subnud. —
- 126b, under **Q. Frainetto** before *Quercus hungarica* insert:  
*Quercus appennina* sensu Loiseleur in Duhamel,  
Traité Arb. Arbust. éd. augm. [Nouv. Du-  
hamel] 7: 177, t. 53 [1819], non Lamarck  
[1819].
- 131a, under **Q. Robur** var. **heterophylla** line 7 add:  
—Hjelmquist in Fysiogr. Sällsk. Handl. n. ser.  
55,7: 35, fig. 10 (1945).
- 132a, after **Q. Robur** f. **fastigiata** insert:  
**Q. Robur** var. **puberula** (Lasch) O. Schwarz, Monog.  
Eich. Eur. 1: 107 (1937) “subsp. **pedunculata**  
var. **p.**”; cum syn. plur.  
*Quercus germanica* f. **puberula** Lasch in Bot. Zei-  
tung, 15: 418 (1857).  
*Quercus Robur* subsp. **puberula** Weimarck in Bot.  
Notis. 1947: 66 (1947).
- 133b, under **Q. macrocarpa** line 5 for “Alsogr. Am.” read:  
ex B. D. Jackson, Index Kew. 1: 494 (1893).

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- 134a, under **Q. Prinus** line 7 for "Gordon & Dermer ex" read:  
Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 24 [1782?].—
- 135b, under **ULMACEAE** at end insert:  
*Ulmaceae* subfam. *Ulmoideae* (Endl.) et *Celtidoideae* (Duby) A. Braun in Ascherson, Fl. Prov. Brandenb. 1: 58 (1864).—Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 546, 567 (1911).
- " under **ULMUS** line 6 under **LECTOTYPUS** add:  
vix sensu "*U. procera* Salisb." ut propos. in Intern. Rules Bot. Nomencl. special ed. 118 (1947).
- 136a, below **U. americana** f. **pendula** insert:  
**U. americana** f. **alba** (Ait.) Fernald in Rhodora, 47: 133 (1945).  
*Ulmus americana* β. *alba* Aiton, Hort. Kew. 1: 320 (1789).  
*Ulmus americana* β. *scabra* Spaeh in Ann. Sci. Nat. Bot. sér. 2, 15: 364 (1841).
- " under **U. rubra** line 3 add:  
—Fernald in Rhodora, 47: 203 (1945).
- 137a, under **U. glabra** insert at end:  
*Ulmus glabra* var. *montana* Lindquist in Act. Phytogeog. Suec. 4: 43, fig. 4b, 5, 9, 11, 14, 15 (1932).—Hylander in Uppsala Univ. Årsskr. 7: 125 (Nomenkl. Syst. Stud.) (1945) "ssp."  
*Ulmus glabra* var. *scabra* Lindquist, l. c., fig. 4a, 5, 7, 8, 10, 12, 13 (1932).  
—Hylander, l. c. (1945) "ssp."  
?*Ulmus glabra* subvar. *dasycarpa* Lindquist, l. c. (1945).
- 141a, under **U. carpinifolia** below *Ulmus glabris* insert:  
?*Ulmus minor* Miller, Gard. Dict. ed. 8, no. 6 (1768).
- " under **U. carpinifolia** for "*Ulmus angustifolia* . . . (1783), nom." read:  
?*Ulmus angustifolia* Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 33 [1782?], nom.—C. F. Ludwig, Neu. Wilde Baumz. 52 (1783), nom.—? Moench, Verz. Ausl. Bäume Weissenst. 137 (1785), nom. subnud.; *U. sativa* var.—? Müller ex Borkhausen, Theor.-Prakt. Handb. Forstbot. 1: 845 (1800).
- " under **U. carpinifolia** below *Ulmus glabra* a. *typica* f. 1. *carpinifolia* (1897) insert:  
*Ulmus glabra* var. a. *typica* f. *minor* (Mill.) Schneider, Ill. Handb. Laubh. 1: 220, fig. 136k (1904).
- " under **U. carpinifolia** below *Ulmus campestris* a. *glabra* 3. *carpinifolia* insert:  
*Ulmus campestris* a. *glabra* 2. *minor* (Mill.) Ascherson & Graebner, Syn. Mitteleur. Fl. 4: 556 (1911).
- 143a, under **U. Plotii** line 1 of *Ulmus minor* insert before "Henry":  
?Münchhausen ex Borkhausen, Theor.-prakt. Handb. Forstbot. 1: 845 (1800).—Line after (1768) insert:  
—NOM. AMBIG. PROPOS.; cf. Melville in Jour. Bot. 77: 266 (1939).
- " under **U. Plotii** add to *Ulmus sativa* line 2 after (1768):  
—NOM. AMBIG. PROPOS.; cf. Melville in Jour. Bot. 77: 244 (1939).
- " above **U. pumila** insert:  
**U. diversifolia** Melville in Jour. Bot. 77: 140, fig. 1, 2 (1939).

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- 143b, under **U. pumila** below *Ulmus campestris* δ. *pumila* insert:  
*Ulmus campestris* β. *microphylla* Boissier, Fl. Or. 4: 1158 (1879).
- 144b, under **Z. Schneideriana** line 2 add:  
—P'ei in Bot. Bull. Acad. Sin. 1: 286, fig. 1 (1947).
- 150a, under **LORANTHUS** line 3 add:  
—NOM. CONSERV.; cf. Intern. Rules Bot. Nomencl. ed. 3, 134, no. 2074 (1935); Kew Bull. 1940: 98, no. 2074 (1940).  
*Scurrula*, l. c.; nom. rejic. (1935).
- 150b, under **Viscum album** for lines 5–8 read:  
**V. album** var. **platyspermum** R. Keller in Bot. Centralbl. 44: 283 (1890).—Janchen in Janchen & Neumayer in Oester. Bot. Zeitschr. 91: 231 (1942) "subsp."  
*Viscum album* a. *typicum* Beck, Fl. Nieder-Öster. 604 (1892).  
*Viscum album* var. *Mali* Tubeuf, Monog. Mistel, 669 (1923).—Janchen, l. c. (1942) "subsp."  
**V. album** var. **Pini** (Wiesb.) Tubeuf, l. c. (1923).  
*Viscum laxum* Boissier & Reuter, Diagn. Pl. Nov. Hisp. 16 (1842).  
*Viscum album* b. *laxum* Fiek, Fl. Schles. 192 (1881).  
*Viscum austriacum* Wiesbaur in Deutsch. Bot. Monatsschr. 2: 154 (1884).  
*Viscum austriacum* var. *Pini* Wiesbaur, l. c. (1884).  
*Viscum laxum* var. *albescens* Wiesbaur in Oester. Bot. Zeitschr. 38: 429 (1888).  
*Viscum album* var. *hyposphaerospermum* f. *angustifolia* R. Keller in Bot. Centralbl. 44: 283 (1890).  
*Viscum laxum* a. *Pini*, Hayek, Fl. Steyer. 1: 188 (1908).  
**V. album** var. **Abietis** (Wiesb.) Beck, Fl. Nieder-Oester. 2, 1: 604 (1892).—Janchen in Janchen & Neumayer in Öster. Bot. Zeitschr. 91: 231 (1942) "subsp."  
*Viscum austriacum* var. *Abietis* Wiesbaur in Deutsch. Bot. Monatsschr. 2: 60 (1884).  
*Viscum hyposphaerospermum* f. *latifolia* R. Keller in Bot. Centralbl. 44: 283 (1890).  
*Viscum laxum* b. *Abietis* Hayek, Fl. Steyer. 1: 188 (1908); Prodr. Fl. Pen. Balcan. 1: 101 [1924] "V. l. a. A."  
*Viscum Abietis* Fritsch, Exkursionsfl. Öster. ed. 3, 68 (1922).
- 151a, under **A. durior** below line 2 add:  
*Aristolochia odoratissima* sensu Gordon, Dermer & Edmonds, Cat. Trees Shrubs Pl. 4 [1782], nom.—Ludwig, Neu. Wilde Baumz. 5 (1783), nom. subnud.—Non Linnaeus (1762).
- 152a, under **P. Auberti** line 2 add:  
H. W. Kung in Liou, Fl. Ill. Nord Chine, fasc. 5: 55, t. 23 (1936).
- 153b, under **KOCHIA** line 9 after (1879) add:  
non Hochstetter (1844).
- 154b, under **CARYOPHYLLACEAE** line 5 add:  
—NOM. CONSERV. PROPOS.; cf. Mansfeld in Repert. Sp. Nov. Reg. Veg. 47: 287 (1939).
- " under **CAROPHYLLACEAE** below *Scleranthaeae* insert:  
*Alsineaceae* Wahlenberg, Fl. Suec. lxxiv (1824).

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- 156a, under **P. lutea** below line 2 insert:  
— F. C. Stern in Jour. Hort. Soc. Lond. **72**: 394, fig. 157 (1847) "Tibetan form."
- 159a, under **C. occidentalis** below *Clematis verticillaris* insert:  
*Clematis hexagona* Eaton, Man. Bot. N. St., ed. 2, 208 (1818).—Merrill & Reeder in *Bartonia*, **24**: 55 (1947), pro syn.
- 168b, below **M. Neuberti** f. *latifolia* insert:  
**M. Aquisargentii** (*B. Sargentii* × *Mahonia Aquifolium*) H. Jenson ex E. Söderberg in *Lustgård*. **27**: 152 (*Dendrol. Data*, 12) (1946), nom.
- 169b, under Ser. WALLICHIANAE line 2 of *B. sect. Wallichiana* after "(1905)" insert:  
; in Mitt. Deutsch. Dendr. Ges. **55**: 1–60, t. 1–6 (1942).
- " under **B. verruculosa** below line 3 insert:  
**B. verruculosa** f. *viridescens* Schneider in *Repert. Sp. Nov. Reg. Veg.* **46**: 266 (1939).
- " below **B. verruculosa** insert:  
**B. phanera** C. Schneider in *Öster. Bot. Zeitschr.* **67**: 22 (1918); in Mitt. Deutsch. Dendr. Ges. **55**: 54 (1942).
- B. phanera** var. *glauco-subtusa* Ahrendt in *Gard. Chron. ser. 3*, **105**: 371 (1939).—Schneider in op. cit. 55 (1942).
- " below **B. candidula** insert:  
**B. Frikartii** (*B. candidula* × *verruculosa*) Schneider in Mitt. Deutsch. Dendr. Ges. **55**: 58 (1942), nom. tentat.
- " under **B. hybrido-Gagnepainii** add to line 3:  
f. "Terra Nova."
- 170a, under **B. pruinosa** line 3 after "(1904)" insert:  
; in Mitt. Deutsch. Dendr. Ges. **55**: 21 (1942).
- " under **B. Veitchii** at end insert:  
*Berberis Sinoveitchii* Zeman in Mitt. Dendr. Ges. *Öster.-Ung.* **1**: 110 (1912), nom.; in textu.  
*Berberis acuminata* Hort. ex Zeman, l. c. (1912), pro syn.
- " below **B. triacanthophora** insert:  
**B. wisleyensis** (?*B. Gagnepainii* × *triacanthophora*) Ahrendt in *Gard. Chron. ser. 3*, **105**: 372 (1939).—Schneider in Mitt. Deutsch. Dendr. Ges. **55**: 58 (1942).
- " under **B. replicata** below line 2 insert:  
Schneider in Mitt. Deutsch. Dendr. Ges. **55**: 35, t. 3 (1942).
- " under **B. atrocarpa** line 2 after "(1917)" insert:  
; in Mitt. Deutsch. Dendr. Ges. **55**: 14 (1942).
- " under **B. levis** add to line 2:  
; in Mitt. Deutsch. Dendr. Ges. **55**: 12 (1942).
- " below **B. levis** insert:  
**B. subcoriacea** Ahrendt in *Gard. Chron. ser. 3*, **105**: 371 (1939).—Schneider in Mitt. Deutsch. Dendr. Ges. **55**: 57 (1942) "? *B. atrocarpa* × *sublevis*."
- " under **B. sublevis** add at end:  
*Berberis Prainiana* Schneider ms. ex Stapf in *Bot. Mag.* **152**: t. 9153, [p. 3, 4] (1928), in textu; pro syn.
- " under **B. Soulieana** below *Berberis stenophylla* insert:  
*Berberis Wallichiana* sensu Hemsley in *Jour. Linn. Soc. Lond.* **23**: 32 (1886), nom. nud.; non De Candolle (1824).

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- 170b, below **B. insignis** var. *tongloensis* insert:  
**B. incrassata** Ahrendt in *Gard. Chron. ser. 3*, **105**: 371 (1939).—Schneider in Mitt. Deutsch. Dendr. Ges. **55**: 45, t. 6 (1942).
- " under **B. dumicola** line 2 add:  
; in op. cit. 17, t. 2 (1942).
- " under **B. Julianae** line 3 add:  
; in Mitt. Deutsch. Dendr. Ges. **55**: 19 (1942).  
*Berberis stenophylla* sensu Leveillé, *Fl. Kouy-Tchéou*, 48 (1914), nom. subnud.; non Lindley (1864), nec Hance (1882).
- " under **B. Hookeri** line 3 add:  
; syn. nonnull. exclud.
- " under **B. Hookeri** below *Berberis Wallichiana* insert:  
*Berberis Jamesonii* Hort. ex Schneider in *Bull. Herb. Boissier, sér. 2*, **5**: 401 (1905); in Mitt. Deutsch. Dendr. Ges. **55**: 49 (1942), pro syn.
- " above **B. hypokerina** insert:  
**B. manipurana** Ahrendt in *Kew Bull.* **1939**: 261 (1939).—Schneider in Mitt. Deutsch. Dendr. Ges. **55**: 18 (1942).
- " under **B. hypokerina** insert:  
*Berberis Hookeri* var. *glauca* Hort. ex *Jour. Hort. Soc. Lond.* **58**: xxxi (1931), nom; **60**: 175 (1935), pro syn.
- " under **B. Coxii** insert:  
*Berberis Hookeri* sensu Cox, *Plant Introd. Farrer*, 61 (1930), non Lemaire (1859).
- 171a, below **B. tsarongensis** insert:  
**B. tsarongensis** var. *breviscapa* Ahrendt in *Gard. Chron. ser. 3*, **105**: 372 (1939).
- 172a, under **B. Jamesiana** to line 3 add:  
— R. in *Gard. Chron. ser. 3*, **122**: 48, fig. 27 (1947).
- 183a, under **LIRIODENDRON** line 5 add:  
— Okutsu in *Act. Phytotax. Geobot.* **13**: 153, fig. (1943).
- 186a, under **CALYCANTHACEAE** below *Calycantheae* insert:  
Rosaceae B.l.β. *Calycocarpeae* T. F. L. Nees von Esenbeck in *Verh. Leop.-Carol. Akad. Naturf.* **3,1** (11,1): 114 (1823), quoad *Calycanthus* et *Meratia*.
- " above **C. floridus** var. *ovatus* insert:  
**C. floridus** f. *purpureus* (B. K. Boom), grad. nov.  
*Calycanthus floridus* var. *purpureus* B. K. Boom in *Jaarb. Nederl. Dendr. Vereen.* **1933**: 192 (1933), sine descr. latin.
- 187b, under **SASSAFRAS** line 1 before T. F. L. Nees insert:  
Trew in *Herb. Blackwell Cent.* **3**, sign, p. t. 267 (1757).—
- 188b, under **LINDERA** below *Ozanthus* insert:  
*Evosmus* (Nutt.) Rafinesque, *Sylva Tellur.* **133** (1838).
- 195b, below **D. gracilis** f. *aurea* insert:  
**D. gracilis** f. *aureo-marginata* (Lemoine) Schneider in Mitt. Deutsch. Dendr. Ges. **1904**(13): 177 [1905] "*D. g. var. distincta* f. *a.*"  
*Deutzia gracilis aureo-marginata* Lemoine in *Jour. Soc. Nat. Hort. France sér.* **4,3**: 301 (1902).
- D. gracilis** f. *albo-marmorata* (Lemoine) Schneider, l. c. (1905) "*D. g. var. distincta* f. *a.*"

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- 198b, under **D. parviflora** line 4 add:  
; in Jour. Jap. Bot. 19: 369 (1942).
- 199a, under **H. arborescens** below line 6 insert:  
*Viburnum alnifolium* Marshall, op. cit. 162  
(1785), p. p. exclud. fruct.
- 209b, for **R. hudsonianum** read:  
**R. rigens** Michaux, Fl. Bor. Am. 1: 110 (1803).—  
Rouleau in Rhodora, 49: 217, t. 1087 (1947).  
*Ribes hudsonianum* . . .
- 211a, under **R. rubrum** add at end:  
*Ribes spicatum* ssp. *scandicum* (Hedl.) Hylander  
in Uppsala Univ. Årsskr. 1945, 7: 196 (Nomenkl. Syst. Stud.) (1945).
- 211b, under **R. rubrum** var. **pubescens** add at end:  
*Ribes spicatum* ssp. *pubescens* (Swartz) Hylander  
in op. cit. 195 (1945).
- " under **R. sativum** line 6 after "plur." insert:  
—Janchen in Öster. Bot. Zeitschr. 85: 311  
(1936).
- " under **R. sativum** add at end:  
*Ribes silvestre* subsp. *eu-silvestre* et subsp. *hor-  
tense* (Lam.) Hylander in op. cit. 196 (1945).
- 225b, under **S. cantoniensis** after *Spiraea corymbosa* Rox-  
burgh, insert:  
Hort. Bengal. 38 (1814), nom.;
- " line 2 after "(1832)" insert:  
non Muhlenberg (1813)
- 229b, under **S. syringaeiflora** below line 4 insert:  
*Syringa intermedia* Hort. ex Zabel, Strauch. Spi-  
räen, 88 (1893), pro syn.
- 230a, under **S. intermedia** below line 3 insert:  
*Spiraea intermedia* b. *polystachys* Zabel, Strauch.  
Spiräen, 88 (1893).
- 230b, under **S. latifolia** below *Spiraea crenata* insert:  
*Spiraea corymbosa* Muhlenberg, Cat. Pl. Am. Sept.  
49 (1813).
- 235b, under **C. Wardii** line 2 add:  
—E. Brown in Gard. Chron. ser. 3, 119: 27,  
fig. 15, 16 (1946), figs. labeled "Watereri" by  
error.
- 237b, under **C. frigida** insert at end:  
**C. frigida** f. **fructu-luteo** (Bean), grad. nov.  
*Cotoneaster frigida* var. *fructu-luteo* Bean, Trees  
Shrubs Brit. Isl. 1: 410 (1914).
- C. frigida** f. **pendula** (Bean), grad. nov.  
*Cotoneaster frigida* var. *pendula* [Bean] in Kew  
Hand-list Trees Shrubs, ed. 4, 80 (1934),  
nom.; cf. Bean, Trees Shrubs Brit. Isl. 3: 113  
(1933), in textu, sine nom.
- " under **C. frigida** f. **Vicarii** line 2 insert before  
"Schneider":  
Beckett in Aldenham Gard. List Surplus Pl.  
[1921?]: 6; 1929: 11 (1929) "Award of  
merit." —
- " under **C. Watereri** line 4 add:  
—E. Brown in Gard. Chron. ser. 3, 119: 27,  
fig. 19(p. 41) (1946).
- 242a, under **C. macrosperma** var. **acutiloba** delete line 2  
of *Mespilus cordifolia* after (1768) and insert  
below:  
*Crataegus cordifolia* (Mill.) Farwell in Am. Mid-  
land Nat. 12: 63 (1930).

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- 246a, under **C. Phaenopyrum** add to line 2 of *Mespilus  
Phaenopyrum*:  
—Ehrhart, Beitr. Naturk. 2: 67 (1768).
- " under **C. Phaenopyrum** add to line 3 of *Mespilus  
cordata* after Miller:  
Gard. Dict. ed. 8, 1: sign. 8Z, *M.* no. 4 (1768),  
sphalm. *M. cordato*, corr. vol. 2, p. ult. "*M.  
cordifolia*", p. p.)\*
- \*) The figure in Miller, Fig. Pl. t. 179 cited by Miller in 1768  
under *M.* no. 4 is a mixture; the fruits agree with those of *C. Phaeno-  
pyrum*, but the flowering branch apparently belongs to Ser. *Tenui-  
foliae* and probably represents *C. macrosperma* var. *acutiloba* (Sarg.)  
Egglest.
- 251a, under **C. orientalis** line of *Crataegus odoratissima*  
before "Lindley" insert:  
Donn, Hort. Cantabrig. ed. 5, 122 (1809), nom. —
- 256a, under **S. hybrida** var. **Meinichii** line 2 add:  
—Hylander in Uppsala Univ. Årsskr. 1945, 7:  
221 (Nomenkl. Syst. Stud.) (1945).
- 257a, under **S. latifolia** below *Pyrus dentata* insert:  
*Sorbus Aria-torminalis* Gremli, Neue Beitr. Fl.  
Schweiz, 3: 9 (1883); Fl. Anal. Suisse, 222  
(1886).  
*Sorbus confusa* Gremli, l. c. (1883), pro syn.
- " under **S. intermedia** below *Azarolus intermedia* in-  
sert:  
*Crataegus intermedia* Donn, Hort. Cantabrig. ed.  
3, 93 (1804), nom.; ed. 6, 137 (1811), nom.  
subnud.
- 260a, under **S. fallax** insert on line 2 of *Pirus fallax*:  
—Fernald in Rhodora, 49: 233 (1947) "*Pyrus*".
- " under **S. Jackii** add to line 2:  
—Sax in Jour. Arnold Arb. 28: 137, t. 1, fig.  
1 (1947).
- " below line 2 insert:  
*Pyrus Jackii* (Rehd.) Fernald in Rhodora, 49:  
232 (1947).
- " under **S. sorbifolia** below line 5 insert:  
*Crataegus sorbifolia* Hort. ex Poiret, Encycl.  
Méth. Bot. Suppl. 4: 73 (1816).
- " under **S. sorbifolia** add at end:  
× *Pyrus mixta* Fernald, l. c. (1947).
- 261a, under **Amelasorbus Jackii** line 3 add:  
—Sax in Jour. Arnold Arb. 28: 138, t. 1, fig.  
3, 4 (1947).
- 265a, under **A. spicata** before *Amelancus spicata* insert:  
*Mespilus ovalis* Donn, Hort. Cantabrig. ed. 4,  
115 (1807), nom.; ed. 6, 138 (1811), nom.  
subnud.
- 270a, under **M. sylvestris** after *Pyrus Malus acerba* insert:  
*Pyrus Malus* subsp. *acerba* Syme, Engl. Bot. ed.  
3, 3: 255 (1864).
- 275a, under **Malus coronaria** var. **dasycalyx** below line  
2 insert:  
*Pyrus coronaria* var. *dasycalyx* (Rehd.) Fernald  
in Rhodora, 49: 232 (1947).
- 275b, under **Malus lancifolia** below line 4 insert:  
*Pyrus coronaria* var. *lancifolia* Fernald, l. c. (1947).
- 282a, under **P. communis** var. **sativa** at end insert:  
*Pyrus communis* [L.] + *Malus communis* [Poiret]  
Hjelmquist in Fysiogr. Sällsk. Handl. n. ser.,  
55, 7: 4 (1944).

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- 284a, under **KERRIA** below Typus insert:  
**K. japonica** (L.) De Candolle in Trans. Linn. Soc. Lond. **12**: 157 (1817).—Maximowicz in Act. Hort. Petrop. **6**: 242 (1879).—Rehder & Wilson in Sargent, Pl. Wilson. **2**: 301 (1915).  
*Rubus japonicus* Linnaeus, Mant. Pl. **1**: 145 (1767).  
*Corchorus japonicus* Thunberg, Fl. Jap. 227 (1784).  
*Spiraea japonica* Desvoux in Mém. Soc. Linn. Paris, **1**: 25 (1822), non Linnaeus f. (1781).  
*Kerria japonica* a. *typica* Makino in Bot. Mag. Tokyo, **28**: 185 (1914).—Nakai, Fl. Sylv. Kor. **7**: 45 (1918) "f."
- 294b, under **Dryas** line 5 add:  
 —Porsild in Canad. Field-Nat. **61**: 175–192, fig., t. 1, 2 (Gen. Dryas N. Am.) (1947).
- 296a, under **Rosa**, line 4 add:  
 —Poul Herring, Prim. Monog. Rosarum Sin. 78 + 1 pp. (1939), mimeogr. in Libr. Arnold Arb.
- 296b, under **R. spinosissima** line 3 add:  
 —Hylander in Uppsala Univ. Årsskr. **1945,7**: 213 (Nomenkl. Syst. Stud.) (1945), NOM. AMBIG. PROPOS.
- 301a, under **R. pomifera** to line 3 of *Rosa villosa* add:  
 —Hylander in Uppsala Univ. Årsskr. **1945,7**: 213 (Nomenkl. Syst. Stud.) (1945); NOM. AMBIG. PROPOS. cf. Intern. Rules Bot. Nomencl. ed. 3, 20, Art. 62 (1935).
- " under **R. Sherardi** line 3 add:  
 —Hylander in Uppsala Univ. Årsskr. **1945,7**: 216 (Nomenkl. Syst. Stud.) (1945).
- 301b, under **R. tomentosa** to line 5 add:  
 —Hylander in Uppsala Univ. Årsskr. **1945,7**: 217 (Nomenkl. Syst. Stud.) (1945).
- 301b under **R. tomentosa** below *Rosa hispida* insert:  
*Rosa mollissima* Willdenow, Fl. Berol. Prodr. 174 (1787), non auct. poster.—Hylander, l. c. (1945), nom. ambig. propos.
- 303b, above **R. canina** insert:  
**R. Andersonii** Hillier & Sons, [Cat.] Rose Trees, 1935–6: 23 (1935), nom. subnud.—Schneider in Gartenschönh. **18**: 335, t. (opp. p. 253) (1937) "P. *R. canina* var."; nom. subnud.
- 303b, above **R. britzensis** insert:  
**R. salaevensis** [*R. dumalis* × *pendulina*] Rapin in Compt. Rend. Soc. Hallér. 178 (Bull. 3) (1856).—Grenier, Fl. Chaîne Jurass. **1**: 229 (Mém. Soc. Émul. Doubs, sér. 3, **10**) (1865).  
*Rosa salaevensis* f. *typica* Christ, Ros. Schweiz, 177 (1873).  
*Rosa glauca* × *pendulina*: *Salaevensis* R. Keller in Ascherson & Graebner, Syn. Mitteleur. Fl. **6,1**: 354 (1902) *R. g.* × *p.* "A. I. S."  
**R. salaevensis** f. **Perrieri** (Verlot) Christ, l. c. (1873).  
*Rosa Perrieri* [Songeon, ined. ex Grenier, l. c. (1865), pro syn.]—Songeon ex Verlot, Cat. Rais. Pl. Dauphiné, 115 (1872).  
*Rosa glauca* × *pendulina*: *Perrieri* (Verlot) R. Keller in op. cit. 356 (1902) "*R. g.* × *p.* A. II. b. P."
- 304a, under **R. rubrifolia** add to *Rosa glauca*:  
 —Hylander in Uppsala Univ. Årsskr. **1945,7**: 217 (Nomenkl. Syst. Stud.) (1945).

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- 308a, under **R. cinnamomea** add at end:  
*Rosa majalis* sensu Mansfield in Repert. Sp. Nov. Reg. Veg. **46**: 294 (1939).—Hylander in Uppsala Univ. Årsskr. **1945,7**: 213 (Nomenkl. Syst. Stud.) (1945), non Herrmann (1762).
- " under **R. cinnamomea** f. **plena** add at end:  
*Rosa majalis* var. *foecundissima* (Münchh.) Hylander in Uppsala Univ. Årsskr. **1945,7**: 214 (Nomenkl. Syst. Stud.) (1945).
- 312a, under **R. Dawsoniana** add at end:  
*Rosa Dawsoni* Moldenke in Phytologia, **2**: 320 (1947).
- 314a, below **R. sempervirens** var. **scandens** insert:  
**R. felicitia** (*R. sempervirens* × *chinensis*) Moldenke in Phytologia, **2**: 320 (1947).  
 ?*Rosa sempervirens* × *chinensis* Rehder, Man. Cult. Trees Shrubs, 433 (1927); ed. 2, 448 (1940).
- 322a, under **P. maritima** below *Prunus reclinata* insert:  
*Cerasus littoralis* Eaton & Wright, N. Am. Bot. ed. **8**, 189 (1840).
- " under **P. umbellata** insert:  
*Cerasus* ? *umbellata* (Elliott) Eaton & Wright, N. Am. Bot. 190 (1840).
- 322b, under **P. americana** insert at end:  
**P. americana** f. *rosea* (Peck) House in Bull. New York State Mus. **243–244**: 17 (1923).  
*Prunus americana* var. *rosea* Peck in New York State Mus. Rep. **47**: 153 (1894).
- " under **P. nigra** insert at end:  
**P. nigra** f. *roseiflora*, E. Rouleau in Contrib. Inst. Bot. Univ. Montreal, **56**: 102 (1945).
- 325a, under Subgen. II. AMYGDALUS for *Prunus* subgen. *Emplectocladus* read:  
*Prunus* § *Emplectocladus* Gray in Proc. Am. Acad. Arts Sci. **10**: 70 (1874).—Focke . . . (1888) "subgen."—
- 334a, below **P. incisa** var. **Yamadei** insert:  
**P. incisa** × *campanulata*[:] var. "Okamé" Ingram ex Gard. Chron. ser. 3, **121**: 151 (1947), nom. subnud.
- 335b, above **P. campanulata** insert:  
**P. subhirtella** × *yedoensis* Sax in Arnoldia, **7**: 12 (1947) "Arnold Cherry;" nom.
- " below **P. cerasoides** insert:  
**P. cerasoides** var. *rubeus* Ingram in Gard. Chron. ser. 3, **122**: 162, fig. 85 (1947).  
**P. cerasoides** var. *majestica* (Koehne) Ingram, l. c. (1947).  
 ?*Prunus Puddum* sensu Franchet, Pl. Delavay. 197 (1890), non *Cerasus Puddum* Seringe (1825), nec *P. p.* Miquel (1865), nec Roxburgh ex Brandis (1874) et ex Hooker f. (1878).  
*Prunus cerasoides* var. *tibetica* Schneider in Repert. Sp. Nov. Reg. Veg. **1**: 54 (1905), p. p.  
*Prunus majestica* Koehne in Sargent, Pl. Wilson. **1**: 233, 252 (1912).
- 345b, under **P. serotina** var. **salicifolia** below *Padus salicifolia* insert:  
*Padus capuli* (Sprenger) Moldenke in Phytologia, **2**: 228 (1947).
- " under **P. Padus** f. **chlorocarpus** insert at end:  
*Prunus Padus* f. *chlorococca* Holmboe ex Hylander in Uppsala Univ. Årsskr. **1945,7**: 197 (Nomenkl. Syst. Stud.) (1945).

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- 347a, under **P. virginiana** line 3 add:  
—NOM. CONSERV. PROPOS. cf. Mansfeld in Repert. Sp. Nov. Reg. Veg. **46**: 296 (1939).
- 352a, under **GLEDITSIA** line 2 insert:  
—Allioni in Mél. Philos. Math. Soc. Roy. Turin, **5**: 73 (1773) "*Gledisia*."
- " line 3 insert:  
—Jaume St.-Hilaire, Expos. Fam. **2**: 202 (1805) "*Gleditzia*."
- 354a, under **Cladrastis** below line 4 insert:  
*Cladastris* Wood, Classb. Bot. Fl. U. S. Can. 301 (1862), sphalm.
- 357a, under **G. tinctoria** f. *latifolia* for "*Genista tinctoria* var. *platyphylla*" line 1-4" read:  
*Genista t.* var. *platyphylla* F. Gérard in Rev. Bot. Bull. Mens. Soc. Franç. Bot. **8**: 65 (Notes Quelq. Pl. Vosg. 17) (1890).—Schneider, Ill. Handb. Laubhk. **2**: 33 (1907) "var. *vulgaris* Spach f. *platyphylla*."
- 380b, under **CAMPYLOTROPIS** below *C. Falconeri* insert:  
**C. mortalana** Ricker in Jour. Washington Acad. Sci. **36**: 40 (1946).
- 385b, under **A. altissima** line 6 add:  
—NOM. AMB'G. REJIC. cf. Mansfeld in Repert. Sp. Nov. Reg. Veg. **46**: 301 (1939).
- 387b, under **P. Vayredae** line 3 add:  
—De Bolos in Collect. Bot. (Barcelona) **1**: 51, fig. 1-3 (1946).
- 393b, under **C. Coggygia** above f. *purpureus*, add:  
**C. Coggygia** f. *rubrifolius* (Boom), grad. nov.  
*Cotinus Coggygia* var. *rubrifolia* B. K. Boom in Jaarb. Nederl. Dendr. Vereen. **1933**: 191 (1933), sine descr. latin.
- 395a, under **R. chinensis** before var. *Roxburghii* insert:  
**R. chinensis** f. *purpurea* (Sprenger), comb. nov.  
*Rhus semialata* Murray var. *purpurea* Sprenger in Mitt. Deutsch. Dendr. Ges. **1917**(16): 67 [1908].
- 398b, under **Ilex** line 7, add:  
—Hume in Nat. Hort. Mag. **26**: 143-179, t. 1-8 (1947).
- 401a, under **I. opaca** line 3 add:  
—Hume in Nat. Hort. Mag. **26**: 150, 164, t. 3-8 (1947), (exclud. t. 8, fig. 16), var. "Howard" [= *I. opaca howardii* Koster Co. [Cat. **1938**]: 8 (1938).]
- 401a, under **I. attenuata** line 2 add:  
—Tarbox, Some Nat. Hollies Brookgreen Gard. **10**, fig. (1944).
- 402, below **I. crenata nummularia** insert:  
**I. crenata** subsp. *radicans* (Nakai) Tatewaki in Act. Phytotax. Geobot. **2**: 243 (1933), nom.  
*Ilex radicans* Nakai, Rep. Veg. Apoi, **37**, 58 (1930), nom. subnud.—Hara in Bot. Mag. Tokyo, **50**: 187 (1936), cum descript.
- 405a, under **Euonymus**, line 6, add:  
—According to Art. 20, 42 and 71, of the Rules of Botanical Nomenclature the name should be spelled *Evonymus*.
- 407a, under **E. semiexserta** line 2 add:  
—Anon. in Gard. Chron. ser. 3, **122**: 207, fig. 210 (1947).

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- 411b, under *Staphylea*, line 1 for "Misc. Philos.-Math. Soc. Taurin." read:  
Mél. Philos. Math. Soc. Roy. Turin.
- 420a, under **A. Buergerianum** at end insert:  
**A. Buergerianum** var. *ningpoense* (Hance) Rehder in Sargent, Trees Shrubs, **1**: 179 (1905).—Handel-Mazzetti, Symb. Sin. **7**: 641 (1933).  
*Acer trifidum* var. *ningpoense* Hance in Jour. Bot. **11**: 168 (1873).—Engler in Bot. Jahrb. **7**: 187 [1885].  
*Acer Paxii* Franch. var. *ningpoense* Pax in Engler, Pflanzenreich, IV. **163**(Heft 8): 11 (1902).
- 424b, above **A. crataegifolium** insert:  
? **A. rubifolium** hort. ex Springer in Jaarb. Nederl. Dendr. Vereen. **1933**: 189, fig. (1933), pro syn.; vix *A. Kawakamii* Koidz.
- 427a, under **A. saccharinum** below line 3 insert:  
*Acer sacchatum* Miller, Abridg. Gard. Dict. ed. 6, A. no. 6 (1771), p. p., nom. angl. exclud. (Cf. Mackenzie in Rhodora, **28**: 111, 233 (1926).
- 439a, under **R. lanceolata**, add at end:  
*Rhamnus lanceolatus* var. *lanceolatus* Gleason in Phytologia, **2**: 288 (1947).  
*Rhamnus lanceolatus* var. *glabratus* Gleason, l. c. (1947).
- 453a, under **Tilia**, below line 3 insert:  
—J. Wagner in Mitt. Deutsch. Dendr. Ges. **44**: 330-345 (1932); **45**: 5-60 (1933), cum spec., hybr. et var. novis multis; cf. etiam Index Kew. Suppl. **9**: 283-284 (1938), cum hybr. nov. multis.
- 454a, below **T. platyphyllos** var. *vitifolia* insert:  
**T. platyphyllos** subsp. *pseudorubra* Schneider, Ill. Handb. Laubh. **2**: 378 (1909), cum var. plur.  
*Tilia pseudorubra* (Schneid.) J. Wagner in Mitt. Deutsch. Dendr. Ges. **1933**(45): 37-42 (1933), cum var. novis multis et hybr. novis.  
*Tilia magyarica* J. Wagner in op. cit. **42**, fig. 2(p. 45) (1933).
- 460b, under **C. japonica**, below *Thea Camellia* insert:  
*Kemelia japonica* Rafinesque, Sylva Tellur. **139** (1838).
- 462a, under **Eurya**, below line 3 add:  
—Kobuski in Ann. Missouri Bot. Gard. **25**: 299-359 (Stud. Theac.) (1937).
- 471b, under **H. nummularium**, line 6, add:  
—Hylander in Uppsala Univ. Årsskr. **1945**, **7**: 238 (Nomenkl. Syst. Stud.) (1945).—Cf. Mansfeld in Repert. Sp. Nov. Reg. Veg. **46**: 305 (1939).
- 473a, under **H. grandiflorum** var. *obscurum* add to *Helianthemum ovatum* line 3:  
—Hylander in Uppsala Univ. Årsskr. **1945**, **7**: 239 (Nomenkl. Syst. Stud.) (1945).
- 482b, under **E. commutata** in place of line 2 read:  
**2**: 137 (1843).—Rydberg, Fl. Rocky Mts. **582** (1917).—  
Cf. Mansfeld in Repert. Sp. Nov. Reg. Veg. **47**: 280 (1939).
- 500b, above **C. mas** var. *sphaerocarpa* insert:  
**C. mas** f. *polonica* Wierdak in Ann. Soc. Dendr. Pologne, **2**: 15, fig. (1928).  
**C. mas** f. *Andrzejowski* Wierdak, l. c. fig. (1928).



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- 502b, under **Pyrolaceae** to **Pirolaceae** I. **Pirolloideae** line 2 add:  
—Andres ex Copeland in Madroño, **9**: 66 (1947).
- 505b, above **R. Metternichii** insert:  
**R. yakusimanum** Nakai in Tokyo Bot. Mag. **35**: 135 (1921); Trees Shrubs Jap. rev. ed., **1**: 66, fig. (1927).—J. M. Cowen in Jour. Hort. Soc. Lond. **72**: 391, fig. 154 (1947).
- 522a, under **R. alabamense** line 1 add:  
J. N. Henry in Jour. Hort. Soc. Lond. **72**: 388, fig. 147 (1947), forma fl. luteo.
- 540a, under **E. Tetralix** above **E. Mackaii** insert:  
**E. Tetralix** subsp. **Lawsoniana** Hort. ex Macfarlane in Trans. Soc. Bot. Edinb. **19**: 64, t. 2, fig. 4c (1893).—[Bean in] Kew Hand-list Trees Shrubs, ed. 3, 211 (1925) "var."
- 554a, below **H. diptera** insert:  
**H. parviflora** Michaux, Fl. Bor.-Am. **2**: 40 (1803).—Perkins in Engler, Pflanzenreich, IV. **241** (Heft 30): 99 (1907).
- 564a, under **F. viridissima** above **F. ovata** insert:  
**F. viridissima** var. **bronxensis** Everett in Gard. Chron. Am. **51**: 296, 3 fig. (1947).
- 580a, under **B. crispa** to **Buddleia tibetica** line 3 add:  
—Cotton in Jour. Hort. Soc. Lond. **72**: 428, t. A, fig. 168 (1947).  
" under **B. crispa** var. **Farreri** add to *Buddleia Farreri* line 2:  
—Cotton in op. cit. 430, t. B (1947).  
" under **B. heliophila** line 2 add:  
—Cotton in op. cit. 435, t. D (1947).
- 595a, under **Catalpa** line 2 add:  
—Paclt in Ber. Schweiz. Bot. Ges. **57**: 115 (Clois. Caps. Catalpa) (1947) "*Catalpa* sect. *Eucatalpa* subsect. *Thyrsoideae* (Bureau) et *Corymbosae* (Bureau)."
- 596a, under **C. speciosa** add at end:  
**C. speciosa** f. **albo-variegata** (Schwerin); grad. nov.  
*Catalpa speciosa* var. **albo-variegata** Schwerin in Mitt. Deutsch. Dendr. Ges. **1910**(no. 19): 288 (1910).  
**C. speciosa** f. **pulverulenta** (Rehd.), grad. nov.  
*Catalpa speciosa pulverulenta* Paul & Son ex T. in Gardening Ill. **30**: 289, fig. (1908, July), nom. subnud.—Rehder in Bailey, Stand. Cycl. Hort. **2**: 684 (1914) "var."—Paul & Son ex Gard. Mag. (Hibberd), **53**: 30, fig. (1910), nom. subnud.
- 602a, below **V. fragrans** insert:  
**V. bodnantense** (*V. fragrans* × *grandiflorum*) Aberconway ex Gard. Chron. ser. 3, **122**: 207, fig. 112 (1947), nom. subnud.
- 602b, under **V. carlcephalum** line 3 add:  
—Burkwood in Jour. Hort. Soc. Lond. **72**: 361, fig. 132 (1947).
- 607b, below **V. acerifolium** insert:  
**V. acerifolium** f. **Collinsii** Rouleau in Rhodora, **47**: 264 (1945).
- 609b, above **S. albus** f. **ovatus** insert:  
**S. albus** f. **variegatus** (Jones), comb. nov.  
*Symphoricarpus racemosus* var. **foliis variegatis** Lavallée, Arb. Segrez. 142 (1877), nom.  
*Symphoricarpus albus* var. **laevigatus variegatus**

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- 609b, Nash in Jour. New York Bot. Gard. **21**: 76 (1920), nom.  
*Symphoricarpus rivularis* f. **variegatus** Jones in Jour. Arnold Arb. **21**: 214 (1940).
- 611b, under **A. chinensis** below line 3 add:  
*Abelia rupestris* Lindley in Jour. Hort. Soc. Lond. **1**: 63 (1846); in Bot. Reg. **32**: t. 8 (1846).  
*Linnaea rupestris* (Lindl.) A. Braun & Vatke, l. c. (1872).  
" under **A. chinensis** after *Linnaea chinensis* insert:  
(R. Brown).
- 615a, below *Lonicera* subgen. *Eulonicera* insert:  
*Lonicera* subgen. *Eulonicera* A. *Labiataeflorae* et B. *Regulariflorae* Wittmack in Rümpler, Ill. Gartenbau-Lex. ed. 3, 467, 468 (1902).  
" under Sect. I. **ISOXYLOSTEUM** insert:  
*Lonicera* sect. 1. *Isoxylosteum* subsect. 1. *Microstylae* et 2. *Spinosae* Rehder in op. cit. 42, 43, et 48 (1903).
- 615b, under Sect. II. **ISIKA** below *Distegia*, insert:  
*Lonicera* § *Bracteatae* Hooker f. & Thomson in Jour. Linn. Soc. Lond. **2**: 165 (1858).—Rehder in Ann. Rep. Missouri Bot. Gard. **14**: 84 (Syn. *Lonicera*) (1903) "no. 10".  
*Lonicera* § *Rhodanthae* Maximowicz in Bull. Acad. Sci. St. Petersburg. **24**: 38 (in Mém. Biol. **10**: 60) (1877).—Rehder in op. cit. 113 (1903) "no. 15".  
*Lonicera* sect. *Isika* subsect. 3. *Purpurascens* (p. 49, 151), 4. *Coeruleae* (p. 50, 66), 5. *Cerasinae* (p. 50, 74), 6. *Pileatae* (p. 50, 75), 7. *Vesicariae* (Komar.) (p. 50, 77), 8. *Chlamydocarpi* (p. 50, 78), 9. *Fragrantissimae* (p. 50, 80), 11. *Pyrenaicae* (p. 51, 96), 12. *Distegiae* (p. 51, 98), 13. *Oblongifoliae* (p. 51, 101), 14. *Alpigenae* (p. 51, 102) Rehder in Ann. Missouri Bot. Gard. **14**: 50–102 (Syn. *Lonicera*) (1903).
- 621a, under Sect. III. **COELOXYLOSTEUM** insert:  
*Lonicera* § 16. *Tataricae* et 17. *Ochranthae* Rehder in op. cit. 125, 133 (1903).
- 622a, under **L. Korolkowi** add at end:  
**L. Korolkowi** f. **pedicellata** (Zab.) Koehne in Mitt. Deutsch. Dendr. Ges. **1910** (19): 116 (1910) "f. **monstrosa** p."  
*Lonicera floribunda* f. **monstrosa pedicellata** Zabel in Mitt. Deutsch. Dendr. Ges. **1907**(16): 85 (1907).  
**L. Korolkowi** var. **longibracteolata** (Zab.) Koehne in Repert. Sp. Nov. Reg. Veg. **8**: 32 (1910); in Mitt. Deutsch. Dendr. Ges. **1910**(19): 115, fig. B (1910).  
*Lonicera floribunda* var. **longibracteolata** Zabel, l. c. (1907).
- 623a, under **L. muscaviensis** below line 4 insert:  
*Lonicera muscaviensis* (f.) *rhodocarpa* Schwerin in Mitt. Deutsch. Dendr. Ges. **1910**(19): 288, 289 [1911?].  
**L. muscaviensis** (f.) **xanthocarpa** Schwerin, l. c. [1911?].
- 624b, under Sect. IV. **NINTOOA** insert:  
*Lonicera* § 18. *Calcaratae*, 19. *Breviflorae*, 20. *Longiflorae* Rehder in op. cit. 145, 151 (1903).
- 625b, under subgen. II. **CAPRIFOLIUM** insert:  
*Lonicera* § 21. *Phenianthi*, § 22. *Cypheolae*, § 23. *Eucaprifolia* (Spach) Rehder in op. cit. 166, 173, 184 (1903).

- 27b, under **P. jezoensis** below *Abies microsperma* (1861) insert:  
*Veitchia japonica* Lindley in Gard. Chron. 1861: 265 (1861), f. monstr.
- 32b, under **P. koraiensis** insert at end:  
*Strobilus koraiensis* (Sieb. & Zucc.) Moldenke in Rev. Sudam. Bot. 6: 30 (1939).
- " under **P. Cembra** insert at end:  
*Strobilus Cembra* (L.) Moldenke, l. c. (1939).
- 34a, under **P. monticola** insert at end:  
*Strobilus monticola* Rydberg, Fl. Rocky Mts. 13 (1917).
- 38a, under **P. nigra** var. **Poiretiana** below *Pinus Laricio* var. *Poiretiana* (1840) insert:  
*Pinus Calabrica* Hort. ex Gordon, Pinet. 168 (1858), pro syn.
- " under **P. nigra** var. **Poiretiana** below *Pinus Laricio* b. *crassifolia* (1875) insert:  
*Pinus corsicana* Loud. ex B. D. Jackson in Index Kew. 2: 531 (1894), pro syn.
- 41a, under TAXODIOIDEAE at end insert:  
*Metasequoia* Hu & Cheng in Bull. Fan Mem. Inst. Biol. II. 1: 154 (1948).
- 68b, under **P. candicans** before *P. berolinensis candicans* insert:  
*Populus Tacamahaca* var. *candicans* Stout in Jour. New York Bot. Gard. 30: 32 (1929).
- 276b, under CHAENOMELES sect. EUCHAENOMELES line 3 add:  
*Pseudo-Chaenomeles* Carrière in Rev. Hort. 1882: 238 (1882).
- 310b, above **R. gymnocarpa** insert:  
**R. spithamea** S. Watson, Bot. Calif. 2: 444 (1880).—Abrams, Ill. Fl. Pacif. St. 2: 463, fig. 2516 (1944) "*R. spithamea*."
- 324b, under **P. Mume** f. **splendens**, add at end:  
? *Prunus Mume* var. *purpurea* f. *sempilena* Makino in Jour. Jap. Bot. 3 (no. 1): t. (1926).
- 341b, under **P. Cerasus** add below *Cerasus hortensis*:  
*Prunus-Cerasus* Weston, Bot. Univ. 1: 224 (1770).
- 375b, under **Caragana**, add to line 4:  
—Pelkewijk in Jaarb. Nederl. Dendrol. Vereen. 15: 36–48, 3 t. (1947), cum form. novis: *C. arborescens* f. *sericea* (p. 39) et *C. frutex* f. *biflora* (p. 45).
- 426b, below **A. rubrum** var. **breviramusculum** insert:  
**A. rubrum** f. **Schlesingeri** Sargent ex Schwerin in Mitt. Deutsch. Dendr. Ges. 1896: 79 (1896): ed. 2, 1: 226.
- 439a, under Sect. ALATERNUS below *Alaternus* insert:  
*Rhamnus-Alaternus* Weston, Bot. Univ. 1: 237 (1770).
- 461b, under **S. serrata** insert:  
*Stuartia japonica* Hort. ex Nicholson, Kew Handlist Trees Shrubs, 1: 41 (1894), nom.; pro syn. —Hort. ex Schelle in Beissner et al., Handb. Laubh.-Ben. 342 (1903), nom.; pro syn. *S. serratae*.
- 471a, under **Helianthemum** below *Platonia* add:  
*Xolantha Rafinesque*, l. c. (1810).  
*Xolanthes* Rafinesque, Sylva Tellur. 132 (1838).
- 471b, under **H. pilosum** below *Cistus pilosus* add:  
*Xolantha racemosa* Rafinesque, Carratt. Nuov. Gen. Spec. Sicil. 73 (1810).
- 584b, under **Vitex** add to *Agnus castus*:  
—Blackwell ex Jäger & Beissner, Ziergeh. ed. 2, 416 (1884) "*Agnus-castus*," pro syn.—B. D. Jackson in Index Kew. 1: 59 (1893) "*Agnus-castus*," pro syn.
- 600a, under **S. callicarpa** insert at end:  
**S. callicarpa** f. **bicolor** Schwerin in op. cit. (1920).
- 614b, under LONICERAE below line 3 insert:  
*Caprifoliaceae* A. *Caprifoliaceae verae* S. F. Gray, Nat. Arr. Brit. Pl. 2: 486 (1821), p. p.
- 649a, under **Metasequoia** after **M. glyptostroboides** read:  
Hu & Cheng in Bull. Fan Mem. Inst. Biol. ser. 2, 1: 154, t. 1, 2 (1948).  
? *Sequoia disticha* Heer, Fl. Foss. Arct. 4: 63, t. 12, fig. 2a, t. 13, fig. 9—11 (1876), pl. foss.  
? *Sequoia chinensis* Endo in Jap. Jour. Geol. Geog. 6: 27, fig. 1—5 (1928), pl. foss.  
? *Sequoia japonica* Endo in Proc. Imp. Acad. Tokyo, 12: 172, fig. 5, 7–13 (1936), pl. foss.  
? *Sequoia Onukii* Endo in op. cit. 173, fig. 6 (1936), pl. foss.  
? *Metasequoia disticha* (Heer) et *M. japonica* Miki in Jap. Jour. Bot. 11: 262, fig. 8 c–j, t. 5 a–ce (1941), pl. foss.—S. C. Teng in Bot. Bull. Acad. Sin. 2: 205 (1948), pl. viva.  
*Metasequoia viva* Hu in [Observation] 2: no. 14: 11 (1947), in Chinese without Latin descr. (translation in Arnold Arb. Lib.)

# INDEX

The letters a and b following the page number indicate first and second column.

Valid names are in roman, those of families in roman small capitals and those of groups above families in capitals.

Synonyms are in italics, or if identical with a valid name, are listed under it with the page number in italics following the reference to the valid name; e. g. *Rosa cinnamomea*, 308a, 307b, 308b.

Subdivisions of families are cited in the general alphabetical order followed by the name of the family in parenthesis; e.g. *Spiraeoideae* (Rosaceae).

Subdivisions of genera in the form of nouns are listed in general alphabetical order, followed in parenthesis by the name of the genus to which they belong; e. g. *Hulthemia* (Rosa).

Subdivisions of genera consisting of adjectives in the plural number follow the generic name and are preceded by the sign §. Rarely are they adjectives in the singular number (which is not according to Art. 26 of the Rules) and pertain to the term series, as in *Rubus* Ser. *Hostiana* Tratt. (see foot-note on p. 284b and 296a) or to the generic name as in *Acer* § *Trinervium* (see p. 424a) and in *Rhododendron* § *Ponticum* (see foot-note p. 504b).

Subdivisions of species appear all in one alphabetical order without indication of rank; polynomials are cited as published: e. g. *Thuja occidentalis erecta viridis*. Polynomial combinations, that is, combinations with indication of categories are reduced to ternary combinations (see International Rules of Botanical Nomenclature, Art. 28); terms like *typicus*, *genuinus*, *originarius*, *normalis*, *vulgaris*, following a subdivisional epithet are not separated from it, since without that epithet, they do not have the intended meaning; see Art. 4 and 28.

Binomials treated as subspecies are listed as ternary combinations followed by the initial letter of the genus in parenthesis, e. g. *Salix nigra* \* \* *S. amygdaloides* Anders. = *S. nigra amygdaloides* (S.) and *Abies Webbiana* β. *A. Pindrow* Brandis = *A. Webbiana Pindrow* (A.).

In hybrids designated by a formula, the names of the parent species are arranged in alphabetical order and the formula is listed under the first name, if not published in alphabetical order, they are cited as published with an alternate citation in alphabetical order as synonym; if the hybrid has received a binary name, the formula is treated as a synonym. If there is no binary name, the formula constitutes the valid designation of the hybrid.

Subdivisions of a hybrid formula consisting of a varietal epithet are separated by a colon from the formula to distinguish them from varietal epithets belonging to the immediately preceding binomial; e. g. *Tilia americana* × *platyphylla*: *neglecta* (Spach) V. Engl. where *neglecta* is a subdivision of the formula and e. g. *Malus baccata* × *pumila* var. *Niedzwetzkyana* where *Niedzwetzkyana* is a subdivision of *Malus pumila*.

Orthographic variants of generic names are referred to the original and accepted spelling, e. g. *Pirus* = *Pyrus*, *Xanthoxylum* = *Zanthoxylum*.

Slight changes in the ending of adjectives in binary and higher combinations owing to change in gender, and double or single "i" in genitive endings are listed under the accepted spelling. Likewise, changes in the connecting vowels of adjectives as *albo-variegatus* and *albi-variegatus*, are not listed separately; also changes of certain vowels or consonants as *sylvestris* and *silvestris*, *Omorica* and *Omorika*, *davuricus*, *dauricus* and *dahuricus* are not listed as distinct names, unless the difference is such as to remove these epithets to a distant place in the alphabetical sequence where they are referred to the correct spelling by cross reference.

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 — *chinensis*, 611b, 659b  
 — — × *uniflora*, 611b  
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 — *deutziaefolia*, 611a  
 — *Engleriana*, 611a  
 — *floribunda hybrida*, 611b  
 — *Graebneriana*, 611a  
 — *grandiflora*, 611b  
 — *Hanceana*, 611b  
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 — — *alba*, 611b  
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 — *serrata*, 611a, 611a, 611b  
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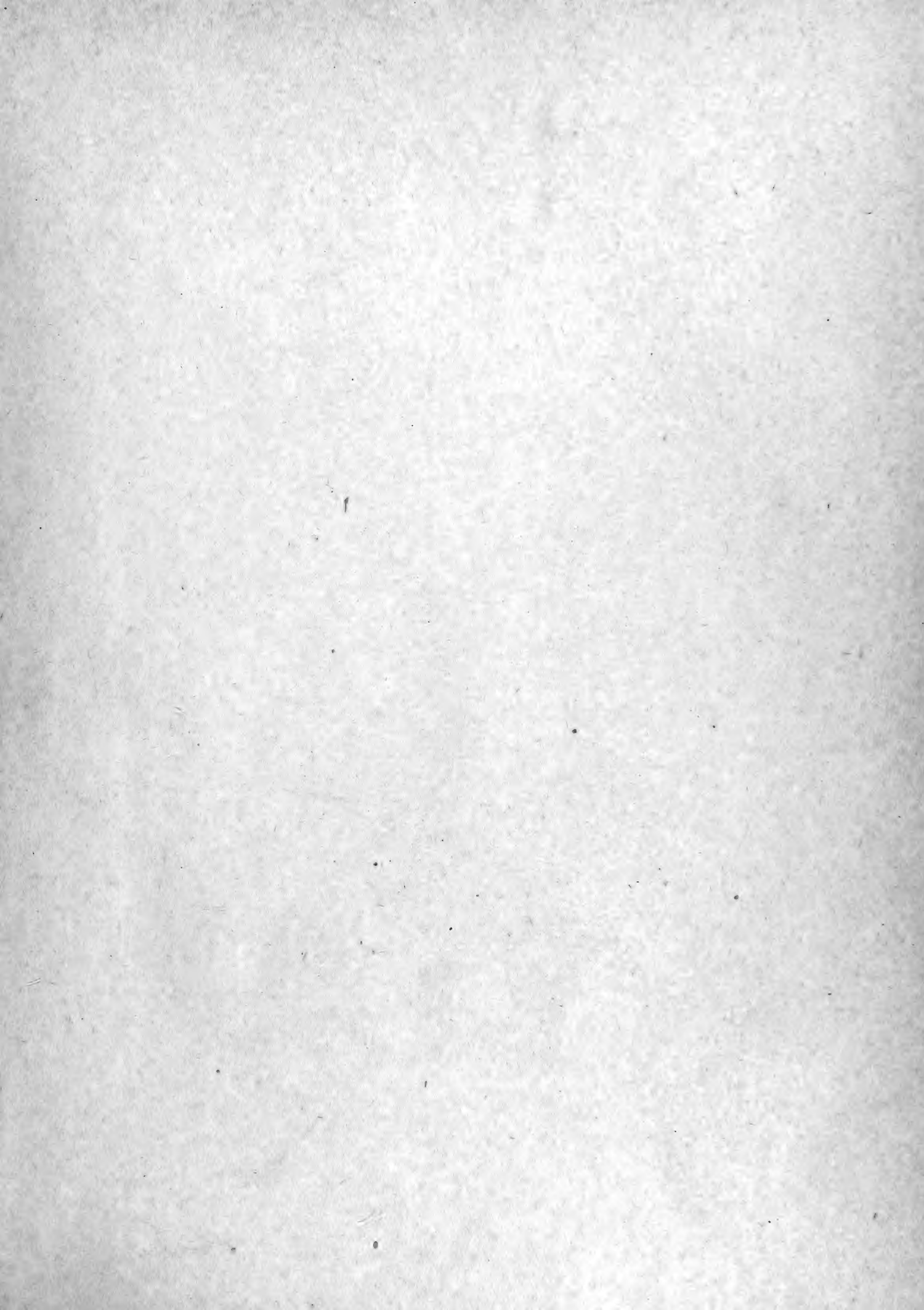
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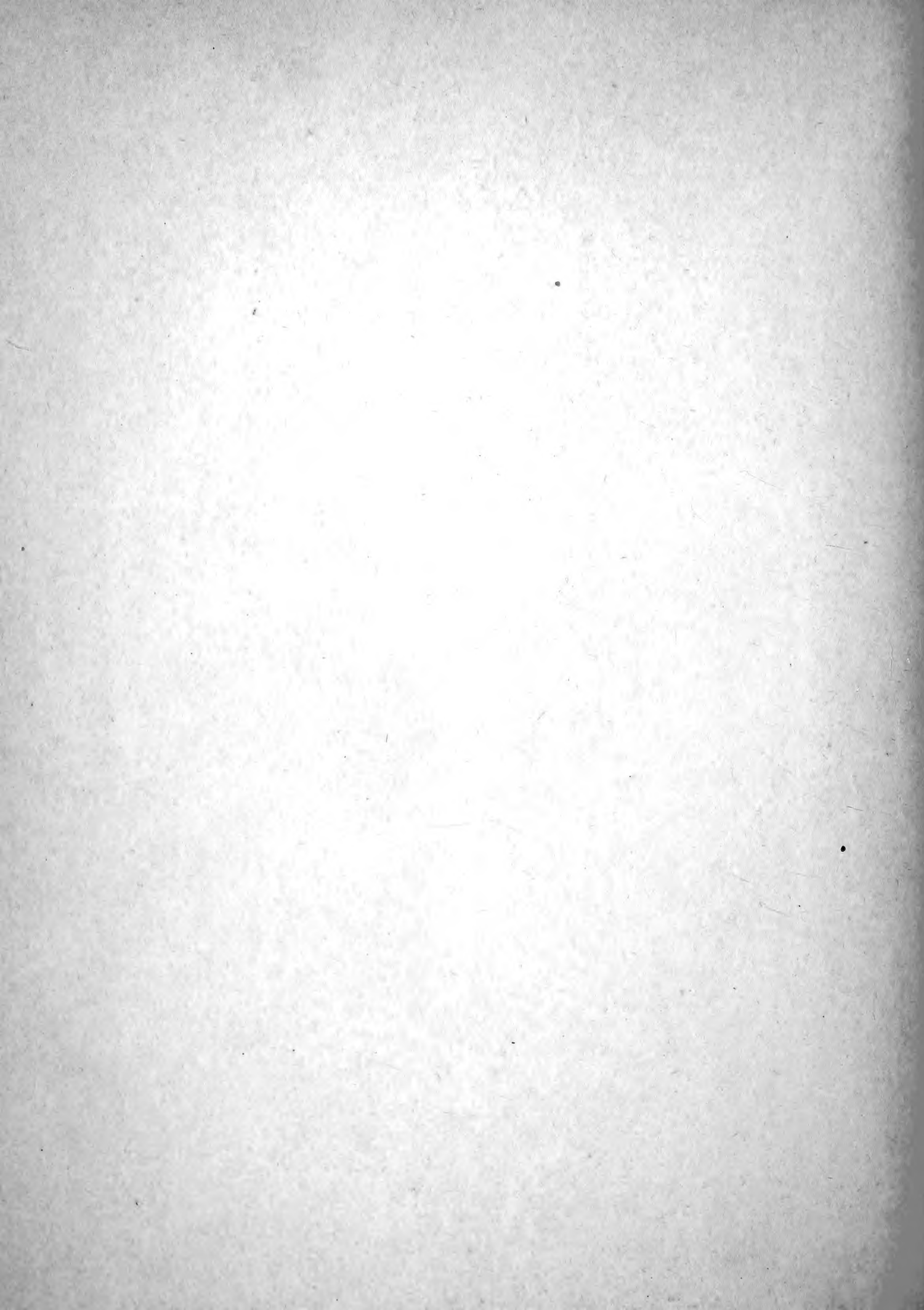


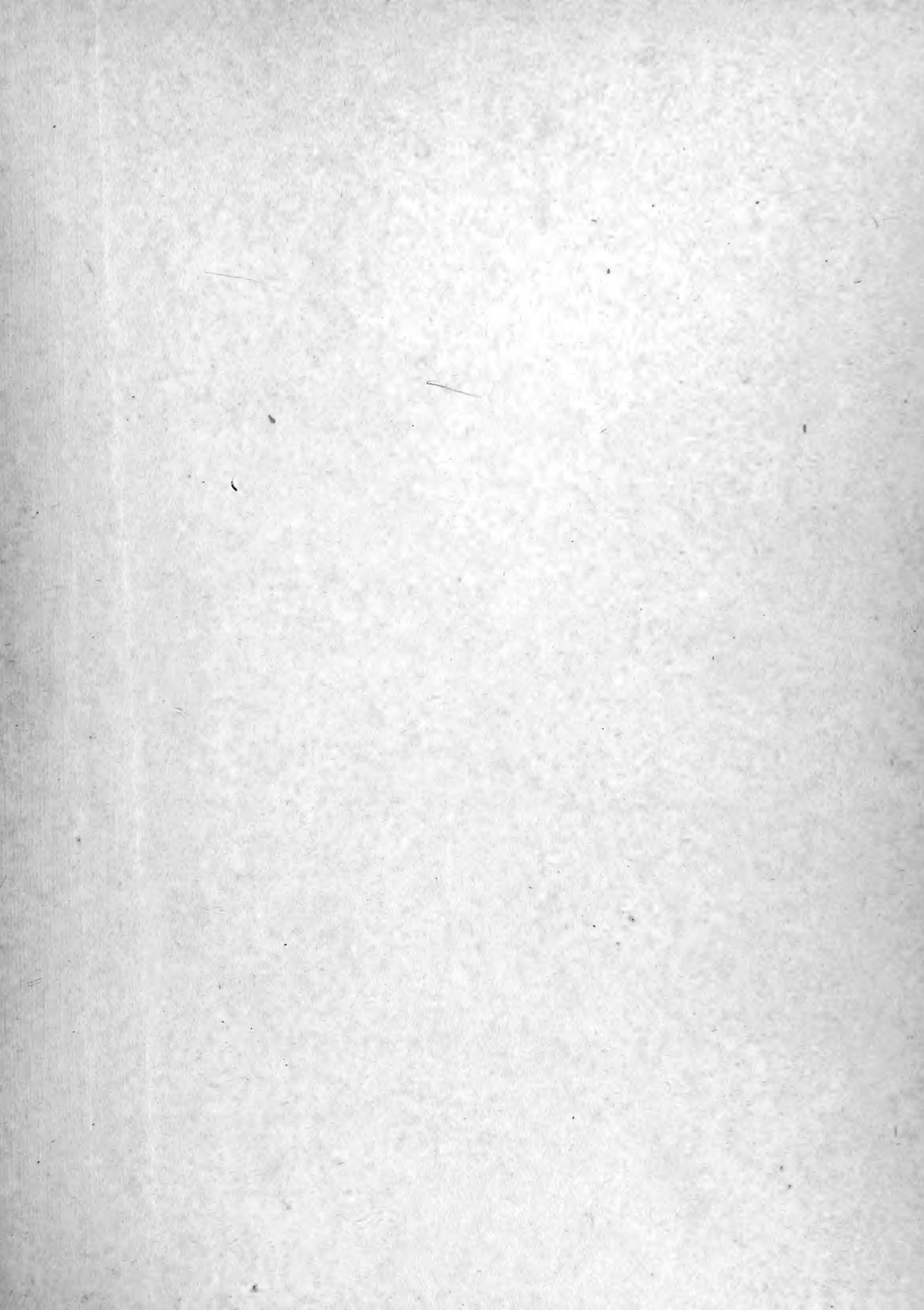












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